

2004 SAE emissions technology collection : technical papers

12th SAE Brazil Congress and Exposition

2003-01-3554	Title: New mounting materials for catalytic converters to meet stricter emission requirements
2003-01-3708	Title: Corporate responsibility: Example of local environment public-private partnership project
2003-01-3735	Title: Influence of phosphorous poisoning on TWC catalysts Title: Investigation into the performance of an on-board emissions measurement system using a vehicle exhaust emissions simulator
2003-01-3746	
2003-01-3753	Title: Developments in diesel emission aftertreatment technology
2003 JSAE/SAE International Spring Fuels and Lubricants Meeting	
2003-01-1770	Title: Combustion chamber deposits and PAH formation in SI engines fueled by producer gas from biomass gasification
2003-01-1771	Title: The influence of injector deposits on mixture formation in a DISC SI engine
2003-01-1783	Title: Experimental study of the combustion process in a heavy- duty DI diesel engine for different injection scenarios
2003-01-1786	Title: Significant NO _x formation at the tip of diesel spray flames and its reduction by enhanced mixing in the tip region
2003-01-1789	Title: Soot kinetic modelling and empirical validation on smokeless diesel combustion with oxygenated fuels
2003-01-1791	Title: Effects of oxygenates on soot processes in DI diesel engines: Experiments and numerical simulations Title: Experimental study on combustion characteristics and emissions reduction of emulsified fuels in diesel combustion using a rapid compression machine
2003-01-1792	
2003-01-1793	Title: The effect of intake, injection parameters and fuel properties on diesel combustion and emissions
2003-01-1794	Title: Effect of injection timing on detailed chemical composition and particulate size distributions of diesel exhaust
2003-01-1797	Title: Spectroscopic analysis of combustion flame fueled with dimethyl ether (DME)
2003-01-1815	Title: Effects of fuel properties on premixed charge compression ignition combustion in a direct injection diesel engine
2003-01-1819	Title: Simplified oxidation mechanism of DME applicable for compression ignition Title: Effect of mixing on hydrocarbon and carbon monoxide emissions prediction for isooctane HCCI engine combustion using a multi-zone detailed kinetics solver
2003-01-1821	
2003-01-1850	Title: Experimental and numerical studies on soot formation in fuel rich mixture Title: Application of Surovikin's carbon black model for simulating soot emission from diesel engine using a threedimensional KIVA code
2003-01-1851	
	Title: Genetic algorithms optimization of diesel engine emissions and fuel efficiency with air swirl, EGR, injection timing and multiple injections
2003-01-1853	
2003-01-1861	Title: Development of a new HC-adsorption three-way catalyst system for partial-ZEV performance
2003-01-1862	Title: Advanced emission control technologies for PM reduction in heavy-duty applications
2003-01-1863	Title: NO _x reduction by urea in the presence of NO ₂ on metal substrated SCR catalysts for heavy-duty vehicles

2003-01-1864	Title: Modelling study of vehicle emission impacts on air quality—JCAP air quality model working group report
2003-01-1865	Title: Effect of sulfur-free and aromatics-free diesel fuel on vehicle exhaust emissions using simultaneous PM and NOx reduction system
2003-01-1866	Title: Emission performance of selected biodiesel fuels
2003-01-1868	Title: Exhaust emission behavior of mixed fuels having different component cetane number and boiling point
2003-01-1869	Title: Influence of density and viscosity of diesel fuel on exhaust emissions
2003-01-1870	Title: The impact of diesel engine lubricants on deposit formation in diesel particulate filters
2003-01-1871	Title: Transient simulation of three-way catalytic converter
2003-01-1872	Title: Emission reduction technologies adopted for Japan U-LEV certified vehicles
2003-01-1874	Title: Fuel sulfur and aging effects on the oxygen storage capacity in three way catalytic converters
2003-01-1875	Title: A coupled 1D/3D simulation for the flow behavior inside a close-coupled catalytic converter
2003-01-1876	Title: Thermal response of close-coupled catalysts during lightoff
2003-01-1878	Title: Experimental study into plasma-assisted PM removal for diesel engines
2003-01-1879	Title: A study on diesel emission reduction using a highfrequency dielectric barrier discharge plasma
2003-01-1880	Title: Control technology for a passenger car diesel engine equipped with the DPNR system
2003-01-1881	Title: Partial regenerations in diesel particulate filters
2003-01-1882	Title: Effects of fuel properties on exhaust emissions from the latest light duty DI diesel engine
2003-01-1883	Title: Retrofitting of diesel particulate filters—Particulate matter and nitrogen dioxide
2003-01-1884	Title: Stationary NOxstorage and redacting experiments on a heavy-duty diesel engine rig using a bypass system
2003-01-1885	Title: Single bank NOxadsorber for heavy-duty diesel engines
2003-01-1887	Title: Reduction of PM emissions from refuse trucks through retrofit of diesel particulate filters
2003-01-1888	Title: Particle emissions characteristics of different on-road vehicles
2003-01-1889	Title: ACEA program on the emissions of fine particulates from passenger cars (2)—Part 1: Particle characterization of a wide range of engine technologies
2003-01-1890	Title: ACEA program on the emissions of fine particulates from passenger cars (2)—Part 2: Effect of sampling conditions and fuel sulfur content on the particle emission
2003-01-1892	Title: Comparison of size distribution of ultra-fine particles in roadside atmosphere and diesel exhaust
2003-01-1893	Title: Particle size distribution and mass emissions from a mining diesel engine equipped with a dry system technologies emission control system
2003-01-1894	Title: Concentrations and size distributions of particulate matter emissions from a Class-8 heavy-duty diesel truck tested in a wind tunnel

2003-01-1895	Title: Heavy-duty vehicle exhaust plume study in the NASA/Langley wind tunnel
2003-01-1896	Title: Estimation of diffusion losses when sampling diesel aerosol: A quality assurance measure
2003-01-1897	Title: DfT motorcycle emissions measurement program: Regulated emissions results
2003-01-1898	Title: DfT motorcycle emissions measurement programs: Unregulated emissions results
2003-01-1899	Title: Effect of fuel composition on combustion and detailed chemical/physical characteristics of diesel exhaust
2003-01-1900	Title: Oxidation catalyst effect on CNG transit bus emissions
2003-01-1901	Title: Emissions from diesel-fueled, heavy-duty vehicles in Southern California
2003-01-1902	Title: Results of JCAP I studies and outline of JCAP II program
2003-01-1904	Title: Particulate matter emission modelling of diesel engines
2003-01-1905	Title: Effects of sulfur, aromatics, T50, T90 and MTBE on mass exhaust emission from vehicles with advanced technology—JCAP gasoline WG STEP II report
2003-01-1906	Title: Preliminary evaluation of health effects of diesel exhaust particles with future automobile and fuel technologies—JCAP Health Effects Working Group report
2003-01-1907	Title: Evaluation of diesel exhaust emission of advanced emission control technologies using various diesel fuels, and sulfur effect on performance after mileage accumulation—JCAP Diesel WG (fuel) report for step II study
2003-01-1912	Title: Water injection in IC-SI engines to control detonation and to reduce pollutant emissions
2003-01-1913	Title: Effects of aromatic components in fuel on flame temperature and soot formation in intermittent spray combustion
2003-01-1914	Title: Effect of hydrocarbon molecular structure in diesel fuel on in-cylinder soot formation and exhaust emissions
2003-01-1915	Title: Counteracting detrimental EGR effects with diesel fuel additive
2003-01-1939	Title: A numerical study on combustion and exhaust gas emissions characteristics of a dual-fuel natural gas engine using a multi-dimensional model combined with detailed kinetics
2003-01-1946	Title: The emission performance of a GTL diesel fuel—A Japanese market study
2003-01-1959	Title: The influence of dispersant PAMA on soot handling, wear and fuel economy in heavy-duty diesel oils
2003-01-1966	Title: Formulating for lower emissions—Issues and solutions
2003-01-1987	Title: Quantifying the contribution of lubrication oil carbon to particulate emissions from a diesel engine
2003-01-1988	Title: The impact of passenger car motor oils on emissions performance
2003-01-1989	Title: How modern engine oils can impact on emission reduction
2003-01-1990	Title: Development of future low emission engine oils

2003-01-1999	Title: Catalyst aging evaluation with exposure to 0.06 and 0.11 percent phosphorus oils using the FOCAS® burner system
2003-01-2019	Title: Measurement of nitrogen compounds in diesel particulate matter
2003-01-2022	Title: Statistical design and analysis methods for evaluating the effects of lubricant formulations on diesel engine emissions
2003 SAE/JSAE Small Engine Technology Conference and Exhibition	
03-32-0010	Title: Non-constant variance—Emission modelling methods for offline optimization and calibration of engine management systems
2003-32-0011	Title: Investigating combustion enhancement and emissions reduction with the addition of 2H ₂ + O ₂ to a SI engine
2003-32-0022	Title: Investigation of the source of increased hydrocarbon emissions over the life cycle of small utility engines
2003-32-0025	Title: Summer cold start and nanoparticulates of 4-stroke motorcycles
2003-32-0036	Title: An experimental survey on the emissions characteristics of non-road small S.I. engines in China
2003-32-0049	Title: A method to determine total PM emissions from marine outboard engines
2003-32-0059	Title: Investigation of internal thermal impact effect on motorcycle catalytic converter activity and microstructure
2003-32-0060	Title: Development and validation of an oxygen storage model for three-way catalysts
2003-32-0075	Title: Improving the University of Idaho clean snowmobile
2003-32-0076	Title: Kettering University's 2003 design for the Clean Snowmobile Challenge
27th Intersociety Energy Conversion Engineering Conference	
929188	Title: Reduction in global warming due to fuel economy improvements and emissions control of criteria pollutants: new US light-duty vehicles (1968-1991)
33rd Annual Earthmoving Industry Conference	
820622	Title: A review of recent progress in exhaust system design
34th Intersociety Energy Conversion Engineering Conference	
1999-01-2710	Title: The influence of a particulate trap on the in vitro lung toxicity response to continuous exposure to diesel exhaust emissions
41st Annual Earthmoving Industry Conference	
900883	Title: Simulation of high altitude effects on heavy-duty diesel emissions
900919	Title: Emission testing of two heavy duty diesel engines equipped with exhaust aftertreatment
43rd Earthmoving Industry Conference	
920922	Title: Application of on-highway emissions technology to a backhoe
920923	Title: Application of on-highway emissions technology on a scraper engine

44th Annual Earthmoving Industry Conference

931182	Title: Save the diesel fueled engine: a clean diesel engine with catalytic aftertreatment—The alternative to alternate fuels
931183	Title: Application of catalytic converters to the Caterpillar 785 off-highway truck
931190	Title: Development of a miniaturized, dilution-based diesel engine particulate sampling system for gravimetric measurement of particulates
5th International Pacific Conference on Automotive Engineering	
891245	Title: Catalytic control of automotive exhaust emission: some lower cost noble metal options
891271	Title: Catalytic emission control for two-stroke engines used in small motorcycles
Automobile Engineering Meeting	
760753	Title: Cycle by cycle variations of HC, CO, and NOx
760759	Title: Two-stage combustion for low emissions without catalytic convertors
760783	Title: Development of canistering systems for monolithic catalysts
Automotive and Transportation Technology Congress and Exhibition	
2001-01-3172	Title: The aluminum fuel tank, a lightweight solution
2001-01-3199	Title: An active regeneration aid as a key element for safe particulate trap use
2001-01-3200	Title: Non-thermal plasma-enhanced urea-SCR treatment of diesel exhaust for low-temperature NOx reduction
2001-01-3201	Title: Large-scale particulate filter demonstration project in Odense
2001-01-3204	Title: Aftertreatment for reduction of diesel exhaust particulate
2001-01-3238	Title: Application of V ₂ O ₅ catalysts to diesel NOx emission control
2001-01-3241	Title: Numerical analysis of transient thermal and conversion characteristics of multisection catalytic converters
2001-01-3246	Title: A new approach to acidification in LCA
2001-01-3259	Title: Reduction of diesel engine emissions by water injection
2001-01-3281	Title: Electrochemical NOx sensors for emission control of automotive exhaust gas
2001-01-3282	Title: Co-acting of fuel supply cut-off technique and oxidation catalyst in order to emission reduction from diesel engine
2001-01-3283	Title: A method of reducing the exhaust emissions from DI diesel engines by the introduction of a fuel cut-off system during cold start
2001-01-3318	Title: Determination of polyaromatic hydrocarbons in particulate matter with HPLC and 3D detector
2001-01-3320	Title: A novel interface for linear oxygen sensors
2001-01-3329	Title: A new sealing material for automotive exhaust application

2001-01-3345	Title: Correlation between agricultural tractor's diesel engine on-road service load and regulations for exhaust emission testing
2001-01-3383	Title: In-car modeling of emissions with dynamic artificial neural networks
2001-01-3387	Title: Type effect of fuel properties on unburned HC and particulate matter emissions in a small DI diesel engine
2001-01-3388	Title: The effect of rape oil-diesel oil mixture composition on particulate matter emission level in diesel engine
2002-01-2146	Title: Improvement of SOx durability and heat resistance for lean NOx catalyst
2002-01-2147	Title: Control of SI engine exhaust emission using ZSM-5 supported Cu-Pt bimetals as a catalyst
2002-01-2148	Title: Gold—A future role in automotive pollution control?
2002-01-2155	Title: A Ti/Pt hot film anemometer for CR-injection systems
2002-01-2159	Title: Effect of waste-gate turbocharging on the exhaust particulate matter of an off-road diesel engine
2002-01-2161	Title: Multidimensional modelling and spectroscopic analysis of the soot formation process in a diesel engine
2002-01-2168	Title: Reduction of exhaust gas emission in a two-stroke engine with pneumatic fuel injection
2002-01-2169	Title: Air toxic emission inventory for mobile source and fuel quality modelling
2002-01-2170	Title: Study regarding the necessity of vehicle calibration according to the peculiarities of the central and east European markets
2002-01-2172	Title: Simulation with a torque dynamometer of pollutants emission from vehicles near urban cross-road
2002-01-2178	Title: Electric scooter evaluation in real conditions
2002-01-2219	Title: Analysis of the influence of fuel sulfur content on diesel engine particulate emissions
2002-01-2243	Title: Development of a burner with variable stoichiometry to evaluate exhaust gas sensors
Automotive Engineering Congress and Exposition	
750176	Title: Dual catalytic converters
750414	Title: The effects of exhaust gas recirculation and residual gas on engine emissions and fuel economy
750415	Title: Trade-offs between engine emission control variables, fuel economy, and octane
760126	Title: The role of fuel injection equipment in reducing 4-stroke diesel engine emissions
760143	Title: Honeycomb auto exhaust catalysts containing copper chromite and palladium
760225	Title: A spark ignition, lean-homogeneous combustion, engine emission control system for a small vehicle
760226	Title: Emission control with lean mixtures
760318	Title: Copper-chromium-nickel alloys for NOx reduction automotive emission control catalysts
780206	Title: An IIEC-2 low-emission concept car
780222	Title: An exhaust gas recirculation system for diesel engines
790306	Title: Catalyst systems with an emphasis on three-way conversion and novel concepts

790389	Title: Effects of a prechamber on NO _x formation process in the SI engine
790436	Title: Emissions and economy potential of prechamber stratified charge engines
790496	Title: Diesel precombustion chamber design and its influence on the engine performance and exhaust pollutants
800030	Title: The role of oxygen in intake and exhaust on NO emission, smoke and BMEP of a diesel engine with EGR system
800083	Title: Development of more active and durable automotive exhaust catalysts
800084	Title: Improved pelleted catalyst substrates for automotive emissions control
800338	Title: The development of a high efficiency diesel exhaust particulate filter
Automotive Industry in Expanding Countries	
911733	Title: Commercial vehicles emission control for Latin America
911736	Title: Ceramic converter technology for automotive emissions control
Computer Graphics Conference and Exposition	
870939	Title: Computer based instruction on spark ignition engine combustion, NO _x emission and knock
Conference and Exposition on Future Transportation Technology	
881156	Title: A new exhaust emissions concept
901494	Title: Analysis of the performance and exhaust gas emissions of four HD gaseous fuelled engines, using engine test data and computer simulation
Environmental Sustainability Conference and Exhibition	
2001-01-3737	Title: 60 g/km CO ₂ without performance loss
2001-01-3738	Title: An environmental-economic evaluation of hybrid electric and other advanced vehicles
2001-01-3751	Title: Comparison of CO ₂ emission levels for internal combustion engine and fuel cell automotive propulsion systems
2001-01-3758	Title: Contribution of passenger cars and trucks to CO ₂ , CH ₄ , N ₂ O, CFC and HFC emissions
2001-01-3760	Title: Quantification of local ozone production attributable to automobile hydrocarbon emissions
2001-01-3761	Title: Regional trade and emission gas in Asian automobile industry
2001-01-3769	Title: Innovative testing device for ultra-low fuel permeation systems
2001-01-3772	Title: Are lightweight materials really environmentally friendly? A software tool for the assessment of the best alternative technologies in the next generation of vehicles
Fuels and Lubricants/Powerplant Meeting	
760555	Title: Computer simulation of emission inspection procedures—assessment of effectiveness
Future Car Congress	
2000-01-1583	Title: Nissan's gasoline SULEV technology
2000-01-1599	Title: Diesel passenger vehicles—Can they meet air quality needs and climate change goals?

2000-01-1601	Title: Non-thermal plasma system development for CIDI exhaust aftertreatment
2002-01-1867	Title: Development of diesel exhaust aftertreatment system for Tier II emissions
2002-01-1868	Title: Using diesel aftertreatment models to guide system design for Tier II emission standards
2002-01-1879	Title: Intra-channel mass and heat-transfer modelling in diesel oxidation catalysts
2002-01-1894	Title: Strategies for gasoline particulate emission control-A "foresight vehicle" project
2002-01-1899	Title: What FutureCar MPG levels and technology will be necessary?
2002-01-1942	Title: Isotopic tracing of fuel component carbon in the emissions from diesel engines
2002-01-1943	Title: Comparative environmental performance of two diesel-fuel oxygenates: Dibutyl maleate (DBM) and tripropylene glycol monomethyl ether (TGME)
Future Transportation Technology Conference	
	Title: Evaluation of the effects of air conditioning operation and associated environmental conditions on vehicle emissions and fuel economy
2003-01-2247	
2003-01-2291	Title: Modelling particulate matter emission from diesel engines
2003-01-2292	Title: NOx trap model for lean-burn engine control
2003-01-2303	Title: A review of diesel particulate filter technologies
2003-01-2304	Title: Selective catalytic reduction—Europe's NOx reduction technology
	Title: Four-flow path high-efficiency NOx and PM exhaust emission control system for heavy-duty, on-highway diesel engines
2003-01-2305	
2003-01-2306	Title: A framework for evaluating aftertreatment PM control strategies
2003-01-2314	Title: Limited emissions and nanoparticles of a scooter with 2-stroke direct injection (TSDI)
International Automotive Engineering Congress and Exposition	
770059	Title: Trapping of lead particulates in automotive exhaust
770224	Title: Exhaust emission control of S.I. engines by engine modification—the SEEC-T system
770298	Title: A three-way catalytic muffler using progressive air injection for automotive exhaust gas purification
770299	Title: Metal supported catalysts for automotive applications
770301	Title: A characterization of exhaust emissions from lean burn, rotary, and stratified charge engines
770365	Title: Three-way conversion catalysts part of the new emission control system
770430	Title: A low NOx lightweight car diesel engine
International Body Engineering Conference and Exhibition	
2001-01-3077	Title: Effect of solar reflective glazing on Ford Explorer climate control, fuel economy, and emissions
International Conference on Automotive Electronics	
780843	Title: Emission control at GM
International Mobility Technology Conference and Exhibit	
2001-01-3814	Title: Aftertreatment systems for two-wheeled vehicles

2001-01-3840	Title: Pushing the envelope to near-zero emissions on light- duty gasoline vehicles
2001-01-3944	Title: Measurement of vehicle noise emissions for fleet control
2001-01-3946	Title: Full flow and partial flow dilution systems for emission measurement—A comparison regarding to SULEV levels
2001-01-3979	Title: Automotive emissions regulation: A comparison between European and American methodologies and limits
International Pacific Conference on Automotive Engineering and High Temperature Engineering Conference	
931940	Title: Effect of fuel properties on the combustion process and NO emission in spark ignition engine
931985	Title: Study on oxidation processes of unburnt HC in exhaust system of spark ignition engines.
931988	Title: Evolution of passenger car emission in Germany—A comparative assessment of two forecast models
931991	Title: Running loss emissions from gasoline-fueled motor vehicles
	Title: SIMS 500—Rapid low energy secondary ion mass spectrometer for in-line analysis of gaseous
932017	compounds—Technology and applications in automotive emission testing
International Pacific Conference on Automotive Engineering	
811385	Title: Future engine designs for minimum fuel consumption and exhaust emissions
International West Coast Meeting	
790761	Title: Diesel engined, light duty vehicles for an emission controlled environment
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751001	Title: Combustion process fundamentals and combustion chamber design for low emissions
Mobility Technology Conferences and Exhibit	
921435	Title: Study on formaldehyde generation mechanism and formaldehyde reducing items
921436	Title: Evaluation results with three-way catalysts for ethanol and gasohol vehicles
921456	Title: The flexible fuel concept by Mercedes-Benz
921459	Title: Evaluation of a thermal storage system on warm-up exhaust emissions
921506	Title: Additive application in diesel fuels and lubricants as an emission control strategy
Motorsports Engineering Conference and Exhibition	
942493	Title: Development of a low-emissions, high-output engine conversion
National Fuels and Lubricants and Transportation Meetings	
750683	Title: Control of automotive sulfate emissions
National Truck Meeting and Truck Engineering Exposition	
770893	Title: Exhaust system considerations for 1982 heavy duty trucks
Powertrain and Fluid Systems Conference and Exhibition	
2002-01-1869	Title: Particulate emissions from a modern light-duty CIDI engine

2002-01-2658	Title: Fuel economy and engine-out emissions from a single- cylinder, two-valve, direct-injection S.I. engine operating in the stratified-combustion regime
2002-01-2670	Title: Detailed chemical composition and particle size assessment of diesel engine exhaust
2002-01-2671	Title: The effect of non-circular nozzle holes on combustion and emission formation in a heavy-duty diesel engine
2002-01-2672	Title: Analysis of multiple injection strategies for the reduction of emissions, noise and BSFC of a DI CR small displacement non-road diesel engine
2002-01-2680	Title: Effects of engine oil formulation variables on exhaust emissions in taxi fleet service
2002-01-2681	Title: Engine oil effects on the friction and emissions of a light-duty, 2.2L direct-injection diesel engine: Part 1- Engine test results
2002-01-2684	Title: An experimental and theoretical study of the contribution of oil evaporation to oil consumption
2002-01-2685	Title: Effect of fuel humidity on the performance of a single- cylinder research engine operating on hydrogen
2002-01-2687	Title: Emissions from hydrogen-enriched CNG production engines
2002-01-2691	Title: Experimental study of direct-injection diesel engine fueled with two types of gas to liquid (GTL)
2002-01-2705	Title: Experimental study on DeNO _x performance by plasma- catalyst (Ag, Au/Al ₂ O ₃) system
2002-01-2706	Title: Application of photocatalyst-plasma-honeycomb system for cold-start emission of gasoline vehicles
2002-01-2707	Title: The study of the effects of nonthermal plasma- photocatalyst combined reactor on hydrocarbon decomposition and reduction during cold start and warm-up in a SI ENGINE
2002-01-2709	Title: Studies on emission measurement techniques for super- ultra-low-emission vehicles
2002-01-2710	Title: Improvement of repeatability in tailpipe emission measurement with direct injection spark ignition (DISI) vehicles
2002-01-2711	Title: Why the limit of detection (LOD) value is not an appropriate specification for automotive emissions analyzers
2002-01-2712	Title: Zero gases for emission monitoring—Production, storage, treatment and usage
2002-01-2713	Title: Development and application of a new mass spectrometer- based measurement system for fast online monitoring of oil emission in the raw exhaust gas of combustion engines
2002-01-2714	Title: A fast response particulate spectrometer for combustion aerosols
2002-01-2715	Title: Concurrent quantitative laser-induced incandescence and SMPS measurements of EGR effects on particulate emissions from a TDI diesel engine
2002-01-2716	Title: Study on the measuring method of vehicular PM size distribution to simulate the atmospheric dilution process
2002-01-2725	Title: Impact of ultra-clean Fischer-Tropsch diesel fuel on emissions in a light-duty passenger car diesel engine

2002-01-2726	Title: Evaluating a Fischer-Tropsch fuel, Eco-Par™ in a Valmet diesel engine
2002-01-2727	Title: Exhaust particle number and size distributions with conventional and Fischer-Tropsch diesel fuels
2002-01-2728	Title: The role that Methylcyclopentadienyl Manganese Tricarbonyl (MMT®) can play in improving low-temperature performance of diesel particulate filters
2002-01-2737	Title: An emission and performance comparison of the natural gas Cummins Westport Inc. C-Gas Plus versus diesel in heavy-duty trucks
2002-01-2753	Title: A comparison of transient air-fuel measurement techniques
2002-01-2755	Title: The SAE Clean Snowmobile Challenge 2002—Summary and results
2002-01-2756	Title: Refining the University of Idaho clean snowmobile
2002-01-2757	Title: Kettering University's design of an automotive-based, four-stroke-powered clean snowmobile
2002-01-2758	Title: Colorado State University Clean Snowmobile Challenge 2002
2002-01-2759	Title: Reducing the emissions and noise of a turbocharged, four-stroke snowmobile
2002-01-2760	Title: The University of Alberta four-stroke Ski-Doo MXZ-X conversion
2002-01-2761	Title: Design and testing of single-cylinder, turbocharged, four-stroke snowmobile with E.F.I. and catalytic exhaust treatment
2002-01-2762	Title: Development solutions to a cleaner, quieter, two-stroke snowmobile
2002-01-2763	Title: A clean, quiet, environmentally friendly snowmobile
2002-01-2764	Title: Thorough analysis of a two-stroke cycle engine versus a four-stroke cycle engine: Minnesota State University, Mankato's entry for the SAE Clean Snowmobile Challenge 2002
2002-01-2768	Title: Base oil effects on emissions and fuel economy in a heavy-duty vehicle over the European transient cycle (ETC)
2002-01-2769	Title: Performance of a synthetic diesel engine oil
2002-01-2770	Title: Effect of lubricant on particulate emissions of heavy-duty diesel engines
2002-01-2774	Title: Multiple injections with EGR effects on NOx emissions for DI diesel engines analyzed using an engineering model
2002-01-2778	Title: Multi-objective optimization of diesel engine emissions and fuel economy using genetic algorithms and phenomenological model
2002-01-2780	Title: Low-pressure EGR calibration strategies for reliable diesel particulate filter regeneration on HDD engines
2002-01-2781	Title: Passenger car series application of a new diesel particulate filter system using a new ceria-based, fuel-borne catalyst: From the engine test bench to European vehicle certification
2002-01-2782	Title: A mixed numerical-experimental analysis procedure for non-blocking metal-supported soot trap design

2002-01-2784	Title: Experience of fitting London Black Cabs with fuel-borne catalyst-assisted diesel particulate filters—Part 1: Regulated emissions and regeneration performance
2002-01-2785	Title: Experience of fitting London Black Cabs with fuel-borne catalyst assisted diesel particulate filters—Part 2: Non-regulated emissions measurements
2002-01-2786	Title: Modelling of diesel particulate filter regeneration: Effect of fuel-borne catalyst
2002-01-2787	Title: Development of a full-flow burner DPF system for heavy-duty diesel engines
2002-01-2788	Title: Fuel sulfur effect on membrane-coated diesel particulate filter
2002-01-2790	Title: Performances and durability of DPF (diesel particulate filter) tested on a fleet of Peugeot 607 Taxis—First and second test phases results
2002-01-2803	Title: Application of secondary air injection for simultaneously reducing converter-in emissions and improving catalyst light-off performance
2002-01-2804	Title: Spark ignition engine hydrocarbon emissions behaviors in stopping and restarting
2002-01-2805	Title: Mixture preparation and hydrocarbon emissions behaviors in the first cycle of SI engine cranking
2002-01-2806	Title: Influence of atomization quality on mixture formation, combustion and emissions in a MPI-engine under cold-start conditions—Part II
2002-01-2807	Title: Influence of atomization quality on mixture formation, combustion and emissions in a MPI-engine under cold-start conditions—Part I
2002-01-2814	Title: High-boost C.R. diesel engine: A feasibility study of performance enhancement and exhaust-gas power cogeneration
2002-01-2824	Title: Parametric study and clarification of determination factors of diesel exhaust emission using a single-cylinder engine and model fuels—JCAP Combustion Analysis Working Group Report: Part I
2002-01-2825	Title: Novel analysis approach for better understanding of fuel and engine effects on diesel exhaust emission—JCAP Combustion Analysis Working Group Report: Part II
2002-01-2826	Title: Potentiality of the modern engines fed by new diesel fuels to approach the future European emission limits
2002-01-2827	Title: Hot-start transient emissions from a Mercedes OM 366 LA and a Detroit Diesel operated on Chilean, California, and US 2D fuels
2002-01-2852	Title: Oxygenated compounds and diesel engine pollutant emissions performances of new generation of products
2002-01-2872	Title: In-Situ NH ₃ generation for SCR NO _x applications
2002-01-2873	Title: Speciation of organic compounds from the exhaust of trucks and buses: Effect of fuel and after-treatment on vehicle emission profiles
2002-01-2876	Title: Effects of regeneration conditions on NO _x adsorber performance

2002-01-2878	Title: Weighting of parameters in artificial neural network prediction of heavy-duty diesel engine emissions
2002-01-2879	Title: Interlaboratory cross-check of heavy-duty vehicle chassis dynamometers
2002-01-2880	Title: Durability of NOx absorbers: Effects of repetitive sulfur loading and desulfation
2002-01-2884	Title: Impact of engine operating conditions on low-NOx emissions in a light-duty CIDI engine using advanced fuels
2002-01-2885	Title: Performance of a urea SCR system combined with a PM and fuel-optimized, heavy-duty diesel engine able to achieve the Euro V emission limits
2002-01-2886	Title: Desulfation dynamics of NOx storage catalysts
2002-01-2889	Title: A fundamental consideration on NOx adsorber technology for DI diesel application
2002-01-2893	Title: Reformulating gasoline for lower emissions using the fuel additive MMT®
2002-01-2894	Title: The impact of MMT gasoline additive on exhaust emissions and fuel economy of low emission vehicles (LEV)
2002-01-2901	Title: Real-world emissions from 40 heavy-duty diesel trucks recruited at Tulare, CA, rest area
2002-01-2903	Title: A peer-reviewed critical analysis of SAE paper 2002-01-2894 "the impact of MMT gasoline additive on exhaust emissions and fuel economy of low emission vehicles (LEV)"
2003-01-3073	Title: Thermal shock study of a converter package for a drive cycle
2003-01-3076	Title: Effect of design parameters on the performance of finned exhaust heat exchanger
2003-01-3077	Title: Gasoline sulfur effect on emissions from vehicles equipped with lean NOx catalyst under mileage accumulation tests
2003-01-3079	Title: Deposition of catalysts onto vehicle heat exchangers via thermal and kinetic spray processes for direct ozone reduction
2003-01-3080	Title: Fuel effects on soot processes of fuel jets at DI diesel conditions
2003-01-3084	Title: Development of a smoke sensor for diesel engines
2003-01-3086	Title: Characterization of the soot formation processes in a high pressure combusting diesel fuel spray
2003-01-3087	Title: Performance and emission studies on the effect of injection timing and diesel replacement on a 4-S LPG-diesel dual-fuel engine
2003-01-3099	Title: Unburned hydrocarbon emissions from stratified charge direct injection engines
2003-01-3111	Title: Application of a biodegradable lubricant in a diesel vehicle
2003-01-3138	Title: Model for kinetic formation of CO emissions in internal combustion engines
2003-01-3146	Title: Influence of water-diesel fuel emulsions and EGR on combustion and exhaust emissions of heavy-duty, DI-diesel engines equipped with common-rail injection system
2003-01-3154	Title: System and utility considerations for analyzer calibration and measurement of low concentrations in automotive exhaust

2003-01-3155	Title: Transient particulate emission measurements in diesel engine exhausts
2003-01-3156	Title: Performance of a fixed volume open-loop mini SHED system for evaporative emissions testing
2003-01-3158	Title: Experimental study on unregulated emission characteristics of turbocharged DI diesel engine with common rail fuel injection system
2003-01-3159	Title: ELPI measurement of particulate matter from HSDI diesel engine with diesel oxidation catalyst
2003-01-3160	Title: Study on the aging test methods and the properties of the three-way catalysts
2003-01-3165	Title: Development of a novel DPF additive
2003-01-3166	Title: New catalyzed cordierite diesel particulate filters for heavy-duty engine applications
2003-01-3167	Title: The effect of sulfur-free diesel fuel on the measurement of the number and size distribution of particles emitted from a heavy-duty diesel engine equipped with a catalyzed particulate filter
2003-01-3168	Title: An investigation into the effect of a diesel/water emulsion on the size and number distribution of the particulate emissions from a heavy-duty diesel engine
2003-01-3169	Title: Sizes, graphitic structures and fractal geometry of light-duty diesel engine particulates
2003-01-3173	Title: Combined effects of fuel-type and engine speed on intake temperature requirements and completeness of bulk-gas reactions for HCCI combustion
2003-01-3175	Title: Experimental and numerical studies on particulate matter formed in fuel rich mixture
2003-01-3176	Title: An experimental and numerical study of the performance characteristics of the diesel oxidation catalyst in a continuously regenerating particulate filter
2003-01-3177	Title: Examination of engine control parameters for the regeneration of catalytic-activated diesel particulate filters in commercial vehicles
2003-01-3178	Title: Rolling regeneration trap for diesel particulate control
2003-01-3179	Title: The influence of engine lubricating oil on diesel nanoparticle emissions and kinetics of oxidation
2003-01-3182	Title: Development of DPF system for commercial vehicle—Basic characteristic and active regenerating performance
2003-01-3184	Title: Gasoline-ethanol blend aging effects on engine performance and exhaust emissions
2003-01-3204	Title: The potential for reducing CO and NO _x emissions from an HCCI engine using H ₂ O ₂ addition
2003-01-3239	Title: An on-board distillation system to reduce cold-start hydrocarbon emissions
2003-01-3240	Title: Correlating port fuel injection to wetted fuel footprints on combustion chamber walls and UBHC in engine start processes
2003-01-3241	Title: A new NO _x reduction catalyst system for diesel engine with high sulfur tolerance
2003-01-3244	Title: Selective catalytic reduction of NO _x emissions from a 5.9 liter diesel engine using ethanol as a reductant
2003-01-3245	Title: Sulfur management of NO _x adsorber technology for diesel light-duty vehicle and truck applications
2003-01-3246	Title: Key characteristics of the sorption process in lean NO _x traps

2003-01-3248	Title: Development of Urea-SCR system for commercial vehicle—basic characteristics and improvement of NOx conversion at low load operation
2003-01-3262	Title: Combustion and emissions of ethanol fuel (E100) in a small SI engine
2003-01-3283	Title: Review of exhaust emissions of compression ignition engines operating on E diesel fuel blends
2003-01-3284	Title: Creation and evaluation of a medium heavy-duty truck test cycle
2003-01-3285	Title: Particle emissions at moderate and cold temperatures using different fuels
SAE 2000 World Congress	
2000-01-0029	Title: Catalytic converter vibration measurement under dynamometer simulated roadloads
2000-01-0117	Title: Finite element optimization of an exhaust system
2000-01-0182	Title: Opportunity for diesel emission reductions using advanced catalysts and water blend fuel
2000-01-0183	Title: Effect of catalyst support structure on conversion efficiency
2000-01-0184	Title: Predicting pressure drop of wall-flow diesel particulate filters—Theory and experiment
2000-01-0185	Title: Characterization of SiC-DPF for passenger car
2000-01-0187	Title: Achieving heavy-duty diesel NOx/PM levels below the EPA 2002 Standards—An integrated solution
2000-01-0188	Title: An integrated SCR and continuously regenerating trap system to meet future NOx and PM legislation
2000-01-0189	Title: Improved SCR systems for heavy-duty applications
2000-01-0190	Title: The development of urea-SCR technology for US heavy-duty trucks
2000-01-0204	Title: Numerical simulation and experimental validation of the catalytic converter cool down process
2000-01-0205	Title: Development of dual-wall air gap exhaust system
2000-01-0206	Title: Simulating heat transfer in catalyst substrates with triangular and sinusoidal channels and the effect of oblique inlet flow
2000-01-0207	Title: Three-dimensional numerical study on the use of warm-up catalyst to improve light-off performance
2000-01-0208	Title: Study on flow characteristics of automotive catalytic converters with various configurations
2000-01-0209	Title: Modeling and simulation of transient thermal and conversion characteristics for catalytic converters
2000-01-0210	Title: 1D fluid dynamic modeling of unsteady reacting flows in the exhaust system with catalytic converter for S.I. engines
2000-01-0211	Title: Influence of physical and chemical parameters on the conversion rate of a catalytic converter: A numerical simulation study
2000-01-0213	Title: Experimental and modeling study of variable cycle time for a reversing flow catalytic converter for natural gas/diesel dual-fuel engines
2000-01-0214	Title: Numerical simulation of deactivation process of three-way catalytic converters
2000-01-0215	Title: Heat insulation methods for manifold mounted converters

2000-01-0216	Title: Catalytic converter thermal environment measurement under dynamometer- simulated road loads
2000-01-0217	Title: Container deformation procedure for ceramic monolith catalytic converters
2000-01-0218	Title: Characterization of catalytic converter mat material for predictive analysis
2000-01-0220	Title: Low-temperature catalytic converter durability
2000-01-0221	Title: Catalytic converter mat material durability measurement under controlled thermal and vibration environments
2000-01-0222	Title: Force distribution on catalysts during converter assembly
2000-01-0223	Title: The assembly deformation and pressure of stuffed catalytic converter accounting for the hysteresis behavior of pressure versus density curve of the intumescent mat
2000-01-0224	Title: Experimental and numerical investigation on the EGR system of a new automotive diesel engine
2000-01-0225	Title: Layout of a high load EGR system for LD, MD and HD truck engines by means of simulation
2000-01-0226	Title: A comparison between different EGR Systems for HD diesel engines and their effect on performance, fuel consumption and emissions
2000-01-0228	Title: Membrane-based nitrogen-enriched air for NOx reduction in light-duty diesel engines
2000-01-0231	Title: Ultra-low emission and high performance diesel combustion with highly oxygenated fuel
2000-01-0233	Title: Parameters that affect the impact of auxiliary gas injection in a DI diesel engine
2000-01-0235	Title: Diesel-exhaust tests should be revised with respect to health-indicators
2000-01-0238	Title: The effects of injection timing and diluent addition on late-combustion soot burnout in a DI diesel engine based on simultaneous 2-D imaging of OH and soot
2000-01-0254	Title: Exhaust emissions from a direct-injection spark-ignition (DISI) engine equipped with an air-forced fuel injector
2000-01-0255	Title: Sooting tendencies in an air-forced, direct-injection, spark-ignition (DISI) engine
2000-01-0314	Title: 430LNb—A new ferritic wire for automotive exhaust applications
2000-01-0331	Title: Effects of initial in-cylinder flow field on mixture formation in a premixed compression-ignition engine
2000-01-0336	Title: Improved P/M stainless steel exhaust flanges based on innovative design concepts
2000-01-0472	Title: Strategies for the control of particulate trap regeneration
2000-01-0473	Title: Passenger car serial application of a particulate filter system on a common- rail, direct-injection diesel engine
2000-01-0474	Title: Operating experience of diesel vehicles equipped with particulate filters and using fuel additive for regeneration
2000-01-0475	Title: Optimized diesel particulate filter system for diesel exhaust aftertreatment
2000-01-0476	Title: An experimental and modeling study of cordierite traps—Pressure drop and permeability of clean and particulate-loaded traps

2000-01-0477	Title: Some empirical observations on diesel particulate filter modeling and comparison between simulations and experiments
2000-01-0478	Title: Electrochemical exhaust gas purification
2000-01-0479	Title: Development of emission control technology for urban bus retrofit
2000-01-0480	Title: European experience of high mileage durability of continuously regenerating diesel particulate filter technology
2000-01-0493	Title: Design considerations for advanced ceramic catalyst supports
2000-01-0494	Title: Prediction of catalytic performance for ultra-thin-wall and high cell- density substrates
2000-01-0496	Title: The innovative reinforcement technology of thin-wall ceramic substrate having high coatability
2000-01-0497	Title: High flexibility in converter design by using modular block metallic substrates
2000-01-0499	Title: Improved three-way catalyst performance using an active bias control regeneration system
2000-01-0500	Title: Improved catalyst systems for SULEV legislation: First practical experience
2000-01-0502	Title: Use of high cell density substrates and high technology catalysts to significantly reduce vehicle emissions
2000-01-0504	Title: Design Criteria of Catalyst Substrates for NOxAdsorber Function
2000-01-0507	Title: An investigation of the dependence of NO and soot formation and oxidation in transient combustng jets on injection and chamber conditions
2000-01-0509	Title: An investigation of the dependence of NO and soot emissions from a diesel engine on heat release rate characteristics - I
2000-01-0512	Title: Effects of oxygen enhancement on the emissions from a DI diesel via manipulation of fuels and combustion chamber gas composition
2000-01-0551	Title: A quick warm-up system during engine start-up period using adaptive control of intake air and ignition timing
2000-01-0557	Title: Advanced canister purge algorithm with a virtual [HC] sensor
2000-01-0577	Title: Reduced pressure carbon dioxide cycle for vehicle climate control: Progress since 1999
2000-01-0582	Title: NO formation and decomposition models for di diesel engines
2000-01-0584	Title: Optimization of exhaust manifold for a multicylinder turbocharged two-stroke diesel engine
2000-01-0647	Title: Some basic considerations of pollutant emission and knock in internal combustion engines
2000-01-0651	Title: Real-time catalytic converter temperature estimator in the powertrain controller
2000-01-0652	Title: A simplified model for the dynamics of a three-way catalytic converter
2000-01-0654	Title: Experimental and modeling investigation of catalyzed hydrocarbon trap performance
2000-01-0655	Title: Modeling of Hydrocarbon Trap Systems
2000-01-0657	Title: Modeling the effects of auxiliary gas injection on diesel engine combustion and emissions
2000-01-0683	Title: The influence of the valve stem seal oil metering rate on exhaust emissions

2000-01-0728	Title: The use of transfer matrix for the design of interferencial systems in exhaust mufflers
2000-01-0787	Title: Exhaust catalytic converter bench fatigue test specification based on equivalent damage
2000-01-0789	Title: Numerical lifetime assessment of engine parts submitted to thermomechanical fatigue, application to exhaust manifold design
2000-01-0792	Title: Improved bag mini-diluter sampling system for ultra-low level vehicle exhaust emissions
2000-01-0793	Title: Evaluation of the bag mini-diluter and direct vehicle exhaust volume system for low-level emissions measurement
2000-01-0798	Title: High-performance linearization procedure for emission analyzers
2000-01-0800	Title: Evaluation of a new design for CVS-Systems meeting the Requirements of S- ULEV and EURO IV
2000-01-0855	Title: Gasoline vehicle emissions—SAE 1999 in review
2000-01-0856	Title: Current status and prospects for gasoline engine emission control technology—Paving the way for minimal emissions
2000-01-0858	Title: Understanding and modeling NOx emissions from air-conditioned automobiles
2000-01-0859	Title: Leancat—An integrated three-way catalyst system for lean-burn engines
2000-01-0860	Title: Palladium and platinum/rhodium dual-catalyst emission solutions for close- coupled or underfloor applications
2000-01-0863	Title: A new approach to OBDII monitoring of catalyst performance using dual oxygen sensors
2000-01-0865	Title: Experimental approach to optimize catalyst flow uniformity
2000-01-0887	Title: L4-engine development for a super-ultra-low emissions vehicle
2000-01-0888	Title: A study of a fast light-off planar oxygen sensor application for exhaust emissions reduction
2000-01-0890	Title: Development of new technologies targeting zero emissions for gasoline engines
2000-01-0891	Title: Phased air/fuel ratio perturbation—A fuel control technique for improved catalyst efficiency
2000-01-0892	Title: In-line hydrocarbon (HC) adsorber system for reducing cold-start emissions
2000-01-0893	Title: High DI fuel detection via exhaust gas temperature measurement for ULEV
2000-01-0894	Title: SULEV emission technologies for a five-cylinder N/A engine
2000-01-0895	Title: Studies on carbon canisters to satisfy LEVII EVAP regulations
2000-01-0899	Title: Appraisal of secondary air injection for emission reduction in small 2T SI engines
2000-01-0902	Title: Investigation of the transient in-cylinder flow inside a two-stroke engine with particle image velocimetry
2000-01-0913	Title: A design strategy for four cylinder SI automotive engine exhaust systems
2000-01-0914	Title: Experimental analysis of the influence of exhaust manifold junction geometry on its fluid-dynamic behavior
2000-01-0917	Title: Redesign of an exhaust manifold outlet fastener using robust design techniques
2000-01-0936	Title: Secondary O2 feedback using prediction and identification type sliding mode control

2000-01-0955	Title: A model-based evaluation of emissions for manifold-injected SI engines
2000-01-0959	Title: Detailed calculation of heating, evaporation, and reaction processes of a thin liquid layer of hydrocarbon fuel
2000-01-0964	Title: Cooling system optimization for Euro4-EPA/02 heavy-duty trucks
2000-01-0966	Title: Exhaust heat exchange coefficient in a pipe of an internal combustion engine. EGR cooler and passenger compartment heating applications
2000-01-1002	Title: P/M stainless steel flanges and sensor bosses meet critical qualification requirements for exhaust applications
2000-01-1012	Title: Sulfur-resistant NOx sorbate catalyst for increasing longevity in diesel exhaust
2000-01-1013	Title: Computation and analyses of inline two-fibers model for fibrous filters with image effect
2000-01-1014	Title: Study of computer modeling for fibrous filters with image effect
2000-01-1016	Title: Fundamental studies of diesel particulate filters: Transient loading, regeneration and aging
2000-01-1082	Title: The study of HC emission characteristics and combustion stability with spark timing retard at cold start in gasoline engine vehicle
2000-01-1083	Title: Particulate matter emission during start-up and transient operation of a spark-ignition engine (2): Effect of speed, load, and real-world driving cycles
2000-01-1134	Title: A new approach to particulate measurement on transient test cycles: Partial flow dilution as alternative to CVS full flow systems
2000-01-1135	Title: Signal processing and practical performance of a real-time PM analyzer using fast FIDs
2000-01-1136	Title: Diesel particulate measurements with a light scattering photometer
2000-01-1137	Title: Particulate emissions of gasoline vehicles and influence of the sampling procedure
2000-01-1138	Title: Continuous measurement of diesel particulate emissions by an electrical low-pressure impactor
2000-01-1139	Title: Identifying sources of evaporative emissions—Using hydrocarbon profiles to identify emission sources
2000-01-1140	Title: Development of an on-board analyzer for use on advanced low-emission vehicles
2000-01-1141	Title: Real-time, on-board measurement of mass emission of NOx, fuel consumption, road load, and engine output for diesel vehicles
2000-01-1142	Title: Measurement of ambient roadway and vehicle exhaust emissions—An assessment of instrument capability and initial on-road test results with an advanced low emission vehicle
2000-01-1143	Title: TSVSIM—Transient engine cycle simulation program and its correlation with chassis rolls dynamometer results
2000-01-1172	Title: Experimental investigation to determine the effect of fuel aromatic content on gaseous and particulate emissions of IDI diesel engines

2000-01-1175	Title: Technical and economical assessment of diesel and gas engine technology for enhanced environmentally friendly vehicles (EEV)
2000-01-1176	Title: Available strategies for improving the efficiency of DI diesel engines—A theoretical investigation
2000-01-1177	Title: Minimum engine flame temperature impacts on diesel and spark-ignition engine NOx production
2000-01-1178	Title: The influence of physical input parameter uncertainties on multidimensional model predictions of diesel engine performance and emissions
2000-01-1180	Title: Improvements of diesel combustion and emissions with two-stage fuel injection at different piston positions
2000-01-1193	Title: Multiple coherence analysis on engine degree-of-freedom study for exhaust system testing
2000-01-1196	Title: Deactivation mechanism of NOx storage-reduction catalyst and improvement of its performance
2000-01-1197	Title: NOx conversion properties of a mixed oxide type lean NOx catalyst
2000-01-1199	Title: Modeling and control of a NOx trap catalyst
2000-01-1209	Title: ULEV and fuel economy—A contradiction?
2000-01-1234	Title: Development of method for predicting efficiency of oil mist separators
2000-01-1235	Title: Fuel transport to the crankcase, oil dilution and HC return with breather flow during the cold operation of a SI engine
2000-01-1258	Title: Fuel design concept for low emission in engine systems
2000-01-1386	Title: Demonstration of Caterpillar C10 dual-fuel natural gas engines in commuter buses
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2001-01-0148	Title: Effects of advanced fuels on the particulate and NOx emissions from an optimized light-duty CIDI engine
2001-01-0150	Title: An advanced diesel fuels test program
2001-01-0151	Title: Overall results: Phase I Ad Hoc Diesel Fuel Test Program
2001-01-0152	Title: Reduction of NOx and PM from diesel engines by WPD emulsified fuel
2001-01-0183	Title: Global trends in diesel emissions regulation—A 2001 update
2001-01-0184	Title: Diesel emission control in review
2001-01-0185	Title: Plasma-catalysis for diesel exhaust treatment: Current state of the art
2001-01-0186	Title: Impact of future exhaust gas emission legislation on the heavy-duty truck engine
2001-01-0187	Title: Particulate trap selection for retrofitting vehicle fleets based on representative exhaust temperature profiles
2001-01-0189	Title: New approaches to catalyst substrate application for diesel engines
2001-01-0191	Title: Effect of SiC-DPF with high cell density for pressure loss and regeneration
2001-01-0192	Title: Diesel particulate filters made of newly developed SiC
2001-01-0193	Title: Effects of microstructure and cell geometry on performance of cordierite diesel particulate filters

2001-01-0194	Title: Experimental investigation on electrostatic DPF
2001-01-0195	Title: Effects of multiple injections and flexible control of boost and EGR on emissions and fuel consumption of a heavy-duty diesel engine
2001-01-0197	Title: Emissions trade-off and combustion characteristics of a high-speed direct injection diesel engine
2001-01-0198	Title: The effect of EGR on the performance and pollutant emissions of heavy-duty diesel engines using constant and variable AFR
2001-01-0199	Title: Using advanced injection timing and EGR to improve DI diesel engine efficiency at acceptable NO and soot levels
2001-01-0201	Title: Single-stage dilution tunnel performance
2001-01-0204	Title: The transient storage and blow-out of diesel particulate in practical exhaust systems
2001-01-0205	Title: Experimental investigation on the use of water diesel emulsion with oxygen-enriched air in a DI diesel engine
2001-01-0207	Title: Single-stage dilution tunnel design
2001-01-0208	Title: A dyno data acquisition system for lean NOx trap investigations
2001-01-0209	Title: Error analysis of various sampling systems
2001-01-0210	Title: Application of a magnetic sector-type hydrogen analyzer for engine emission measurement
2001-01-0211	Title: Simulation of low-level vehicle exhaust emissions for evaluation of sampling and analytical systems
2001-01-0212	Title: Refinement of a bag mini-diluter system
2001-01-0213	Title: Evaluation of a UV analyzer for NOx vehicle emission measurement
2001-01-0215	Title: Transient calibration on the testbed for emissions and driveability
2001-01-0216	Title: NanoMet, a new instrument for on-line size- and substance-specific particle emission analysis
2001-01-0217	Title: Issues for measuring diesel exhaust particulates using laser induced incandescence
2001-01-0218	Title: An alternative technique for low particulate measurement
2001-01-0219	Title: Sampling method for particle measurements of vehicle exhaust
2001-01-0220	Title: A study of the dilution effects on particle size measurement from a heavy-duty diesel engine with EGR
2001-01-0222	Title: Design of an integral perforated manifold, muffler, and catalyst
2001-01-0223	Title: Thin film pressure sensor technology applied to catalytic converter packaging
2001-01-0224	Title: Design examination of alumina mat retaining material for ceramic catalytic converter under dynamic load conditions
2001-01-0225	Title: The development of low precious-metal, rare-earth oxide (REO) catalysts for vehicle emission control in emerging markets
2001-01-0226	Title: CO/O ₂ zirconia sensor based on a potentiometric design

2001-01-0227	Title: High frequency measurements of pressure and temperature fluctuations in an automotive exhaust system during steady-state and transient driving conditions
2001-01-0228	Title: Development of planar oxygen sensor
2001-01-0229	Title: History of emissions reduction: Normal emitters in FTP-type driving
2001-01-0254	Title: Development of advanced emission-control technologies for gasoline direct- injection engines
2001-01-0264	Title: Secondary O ₂ feedback using prediction and identification sliding mode control—Second report
2001-01-0306	Title: Supply chain management: Responding to "offsite" environmental management
2001-01-0363	Title: Performance of coatings for underbody structural components
2001-01-0508	Title: NO _x adsorber desulfurization under conditions compatible with diesel applications
2001-01-0510	Title: Development of a desulfurization strategy for a NO _x adsorber catalyst system
2001-01-0511	Title: Performance and durability evaluation of continuously regenerating particulate filters on diesel-powered urban buses at NY city transit
2001-01-0512	Title: Emission reductions and operational experiences with heavy-duty diesel fleet vehicles retrofitted with continuously regenerated diesel particulate filters in Southern California
2001-01-0513	Title: Maximizing the effectiveness of water-blended fuel in reducing emissions by varying injection timing or using after-treatment device
2001-01-0514	Title: Advanced urea SCR catalysts for automotive applications
2001-01-0515	Title: Bench-scale demonstration of an integrated deSoot-deNO _x system
2001-01-0516	Title: Dynamometer testing of a heavy-duty diesel engine equipped with a urea-SCR system
2001-01-0517	Title: Combined silencers and urea-SCR systems for heavy-duty diesel vehicles for OEM and retrofit markets
2001-01-0519	Title: Development of urea-SCR system for light-duty diesel passenger car
2001-01-0526	Title: Influence of pre- and post-injection on the performance and pollutant emissions in a HD diesel engine
2001-01-0636	Title: Shape optimization of an exhaust system
2001-01-0640	Title: Development of high corrosion resistant stainless steels for automotive mufflers based on condensate corrosion test and field investigation
2001-01-0647	Title: Effects of alternative fuels and intake port geometry on HSDI diesel engine performance and emissions
2001-01-0648	Title: Effects of oxygenated fuels on DI diesel combustion and emissions
2001-01-0650	Title: The emissions performance of oxygenated diesel fuels in a prototype DI diesel engine
2001-01-0651	Title: Comparison of heat release and NO _x formation in a DI diesel engine running on DME and diesel fuel
2001-01-0653	Title: Detailed chemical kinetic modeling of diesel combustion with oxygenated fuels
2001-01-0654	Title: A comparison and model of NO _x formation for diesel fuel and diethyl ether

2001-01-0655	Title: Mechanism of the smokeless rich diesel combustion by reducing temperature
2001-01-0656	Title: Comparison of numerical results and experimental data on emission production processes in a diesel engine
2001-01-0657	Title: Experimental investigation on soot and NOx formation in a DI common-rail diesel engine with pilot injection
2001-01-0658	Title: Innovative secondary air injection systems
2001-01-0659	Title: Advanced low platinum group metal three-way catalysts for Tier 2 and LEV II compliance
2001-01-0660	Title: Development of the automotive exhaust hydrocarbon adsorbent
2001-01-0662	Title: Experimental modal analysis of automotive exhaust structures
2001-01-0665	Title: Secondary air charger—High integrated secondary air system for intake manifolds
2001-01-0670	Title: A theoretical comparison of various VVA systems for performance and emission improvements of SI engines
2001-01-0699	Title: Improvements in lubricating oil quality by an on-line oil recycler for a refuse truck using in service testing
2001-01-0729	Title: Development of vapor reducing fuel tank system
2001-01-0730	Title: Estimating real time diurnal permeation from constant temperature measurements
2001-01-0731	Title: Evaluation of the ignition hazard posed by onboard refueling vapor recovery canisters
2001-01-0732	Title: A numerical study of automotive gas tank filler pipe two phase flow
2001-01-0733	Title: Impact and control of canister bleed emissions
2001-01-0902	Title: Combining fuel-borne catalyst, catalytic wash coat and diesel particulate filter
2001-01-0903	Title: Microwave-regenerated diesel exhaust particulate filter
2001-01-0904	Title: Emissions reduction performance of a bimetallic platinum/cerium fuel-borne catalyst with several diesel particulate filters on different sulfur fuels
2001-01-0905	Title: Molten salts supported on ceramic foam in the potential application of a diesel soot abatement technology
2001-01-0906	Title: Use of diesel particulate filters and cerium-based fuel-borne catalyst for low temperature - low load applications
2001-01-0907	Title: Regeneration of catalytic diesel particulate filters
2001-01-0908	Title: Spatial non-uniformities in diesel particulate trap regeneration
2001-01-0909	Title: Inertial contributions to the pressure drop of diesel particulate filters
2001-01-0911	Title: Validation of a model and development of a simulator for predicting the pressure drop of diesel particulate filters
2001-01-0912	Title: Numerical study on forced regeneration of wall-flow diesel particulate filters
2001-01-0923	Title: Palladium and platinum/rhodium dual-catalyst NLEV and Tier IIa close-coupled emission solutions

2001-01-0924	Title: Application of advanced three-way catalyst technologies on high cell density ultra thin-wall ceramic substrates for future emission legislations
2001-01-0926	Title: A comparison of conversion efficiency and flow restriction performance of ceramic and metallic catalyst substrates
2001-01-0927	Title: Utilization of advanced Pt/Rh TWC technologies for advanced gasoline applications with different cold-start strategies
2001-01-0928	Title: Investigation on a novel reactor design for emission control catalysts—Modeling and experimental results
2001-01-0930	Title: Prediction of catalytic performance during light-off phase with different wall thickness, cell density and cell shape
2001-01-0931	Title: Monolithic metal oxide thin-wall substrates with closed and open cells: Optimal designs by theoretical modeling and experiment
2001-01-0932	Title: Modeling the effect of substrate cell shape on conversion in monolith catalysts
2001-01-0935	Title: Shear strength of cordierite ceramic catalyst supports
2001-01-0936	Title: Microkinetics modeling of catalytic converters
2001-01-0937	Title: On a model-based control of a three-way catalytic converter
2001-01-0938	Title: An Integrated Powertrain (IPT) model—Stage 2: Systems integration, supervisory control and simulation of emissions control technology
2001-01-0939	Title: 1D unsteady flows with chemical reactions in the exhaust duct-system of S.I. engines: Predictions and experiments
2001-01-0940	Title: A modular numerical simulation tool predicting catalytic converter light-off by improved modeling of thermal management and conversion characteristics
2001-01-0941	Title: The solution for steady-state temperature distribution in monolithic catalytic converters
2001-01-0942	Title: Optimum gap design and durability analysis of catalytic converter assembly
2001-01-0943	Title: Numerical analysis of the exhaust gas flow and heat transfer in a close-coupled catalytic converter system during warm-up
2001-01-0944	Title: Three-dimensional numerical study on the pulsating flow inside automotive muffler with complicated flow path
2001-01-0972	Title: Manufacturing of bladder fuel tank for vapor-reducing fuel tank system
2001-01-0987	Title: The coaxial cavity resonator as a RF IC engine ignition source
2001-01-0988	Title: Wide range and high performance exhaust gas temperature sensor using perovskite-type rare earth metal oxide
2001-01-1006	Title: A mathematical model for exhaust system vibrations caused by road surface inputs
2001-01-1010	Title: Validation of a cyclic NO formation model with fast NO measurements

2001-01-1011	Title: Modeling NO formation in spark ignition engines with a layered adiabatic core and combustion inefficiency routine
2001-01-1020	Title: Exhaust heat recovery system for modern cars
2001-01-1027	Title: A sequential fluid-mechanic chemical-kinetic model of propane HCCI combustion
2001-01-1029	Title: Modeling of HCCI combustion and emissions using detailed chemistry
2001-01-1034	Title: Operating characteristics of a natural gas-fired homogeneous charge compression ignition engine (performance improvement using EGR)
2001-01-1039	Title: Runner design to control defects in iron castings
2001-01-1068	Title: Numerical analysis of passenger car HSDI diesel engines with the 2nd generation of common-rail injection systems: The effect of multiple injections on emissions
2001-01-1069	Title: A computational investigation of water injection strategies for nitric oxide reduction in large-bore DI diesel engines
2001-01-1080	Title: Greenhouse gas emissions: A systems analysis approach
2001-01-1081	Title: Future light-duty vehicles: Predicting their fuel consumption and carbon-reduction potential
2001-01-1096	Title: Prediction of mass emissions from two and three wheelers powered by two-stroke engines
2001-01-1105	Title: Exhaust system key life test
2001-01-1120	Title: Development of multi-layer plastic membrane (bladder membrane) for vapor-reducing fuel tank
2001-01-1126	Title: Fuel permeation testing—Configurations, methods, and correlations
2001-01-1239	Title: Combustion modeling of soot reduction in diesel and alternate fuels using CHEMKIN®
2001-01-1243	Title: Combustion and exhaust gas modeling of a common-rail diesel engine—An approach
2001-01-1255	Title: The effect of fuel-vapor concentration on the process of initial combustion and soot formation in a DI diesel engine using LII and LIEF
2001-01-1256	Title: Some proposals to low-emission, high-specific-power diesel engine equipped with CRT
2001-01-1258	Title: Nanometric particle formation in optically accessible diesel engine
2001-01-1259	Title: Time-resolved behavior of unburned hydrocarbon components in diesel exhaust under transient operations
2001-01-1260	Title: Investigation of exhaust emissions from DI diesel engine during cold and warm start
2001-01-1261	Title: The effect of lubricating oil volatility on diesel emissions
2001-01-1262	Title: Detailed chemical kinetic modeling of diesel spray combustion with oxygenated fuels
2001-01-1286	Title: Fuel additive performance evaluation for volume production application of a diesel particulate filter
2001-01-1287	Title: Comparative assessment of DPFs of different materials: A case study on a Euro I light-duty truck
2001-01-1296	Title: Extinction measurements of in-cylinder soot deposition in a heavy-duty DI diesel engine

2001-01-1297	Title: Modeling and numerical analysis of NO _x storage-reduction catalysts—On the two effects of rich-spike duration
2001-01-1298	Title: Development of the NO _x adsorber catalyst for use with high-temperature condition
2001-01-1300	Title: Study of TWC in NO _x adsorber catalyst system for gasoline direct injection engine
2001-01-1302	Title: PremAir® catalyst system—OBD concepts
2001-01-1303	Title: A non-noble metal-based catalytic converter for two-stroke, two-wheeler applications
2001-01-1311	Title: LEV II applications based on a lean start calibration
2001-01-1312	Title: Can fuel preparation affect engine-out hydrocarbon emissions during an FTP (75CVS) cycle test?
2001-01-1313	Title: Low emission concept for SULEV
2001-01-1314	Title: Development of a SULEV capable technology for a full-size gasoline PFI V8 passenger car
2001-01-1327	Title: Heavy-duty diesel truck in-use emission test program for model years 1950 through 1975
2001-01-1330	Title: The Twenty-Five Years' War: The impact and effectiveness of CAFE standards
2001-01-1339	Title: Calculated A/F ratio via exhaust gas temperature measurement for small engine control
2001-01-1342	Title: Regeneration behavior and transient thermal response of diesel particulate filters
SAE 2002 World Congress	
2002-01-0006	Title: Modelling the pollutant emissions from a S.I. engine
2002-01-0046	Title: Advanced emissions test site for confident PZEV measurements
2002-01-0047	Title: Evaluation of improved bag mini-diluter system for low level emissions measurements
2002-01-0048	Title: Studies on enhanced CVS technology to achieve SULEV certification
2002-01-0049	Title: Improved low-emission vehicle simulator for evaluation of sampling and analytical systems
2002-01-0051	Title: Evaluation of new bag sampling materials for low level emissions measurements
2002-01-0053	Title: Gas supply and treatment options for use in emissions measurement and test
2002-01-0054	Title: Diesel particulate measurement with partial flow sampling systems: A new probe and tunnel design that correlates with full flow tunnels
2002-01-0055	Title: Electrical filter stage for the ELPI
2002-01-0056	Title: Effective density of diesel exhaust particles as a function of size
2002-01-0057	Title: Phenomenological studies on the storage and regeneration process of NO _x storage catalysts for gasoline lean burn applications
2002-01-0058	Title: A numerical investigation into the thermal performance of exhaust manifolds
2002-01-0061	Title: Catalytic converter modelling: Artificial neural networks for perovskite-based catalyst
2002-01-0062	Title: Structural analysis of catalytic converters in automotive exhaust systems
2002-01-0064	Title: Transient CFD: How valuable is it for catalyst design?
2002-01-0065	Title: Three-dimensional simulation of the transient behavior of a three-way catalytic converter
2002-01-0067	Title: The importance of reversible deactivation dynamics for on-board catalyst control And OBD systems

2002-01-0069	Title: Analysis and experimental refinement of real-world driving cycles
2002-01-0071	Title: Development of a validated CFD process for the analysis of inlet manifold flows with EGR
2002-01-0285	Title: Diesel emission control: 2001 in review
2002-01-0286	Title: Engine dynamometer and vehicle performance of a urea SCR-system for heavy-duty truck engines
2002-01-0287	Title: Model-based, closed-loop control of urea SCR exhaust aftertreatment system for diesel engine
2002-01-0289	Title: Urea-SCR catalyst system selection for fuel and PM optimized engines and a demonstration of a novel urea injection system
2002-01-0290	Title: Co-fueling of urea for diesel cars and trucks
2002-01-0322	Title: SiC and Cordierite diesel particulate filters designed for low pressure drop and catalyzed, uncatalyzed systems
2002-01-0324	Title: Silicon carbide for diesel particulate filter applications: Material development and thermal design
2002-01-0345	Title: A system(atic) approach towards low precious metal three-way catalyst application
2002-01-0346	Title: Exhaust gas aftertreatment of Volkswagen FSI fuel-stratified injection engines
2002-01-0348	Title: Catalyst design for meeting stringent LEV-2 NO _x regulation
2002-01-0349	Title: Utilization of advanced three-way catalyst formulations on ceramic ultra-thin-wall substrates for future legislation
2002-01-0350	Title: Product design and development of ultra-thin-wall ceramic catalytic substrate
2002-01-0351	Title: High-temperature durable three-way catalysts to meet European Stage IV emission requirements
2002-01-0352	Title: Ultra thin-wall light-off performance—Varying substrates, catalysts, and flow rates; models and engine testing
2002-01-0354	Title: Effect of cell geometry on emissions performance of ceramic catalytic converters
2002-01-0356	Title: Ultra-thin-wall substrates—Trends for performance in FTP and US06 tests
2002-01-0357	Title: A new metallic catalyst
2002-01-0358	Title: Development of thinnest wall catalyst substrate
2002-01-0374	Title: Mean value models for exhaust system temperatures
2002-01-0419	Title: Investigation of hydrocarbon emissions from a direct injection-gasoline premixed charge compression-ignited engine
2002-01-0427	Title: Control of oxygen for thermal management of diesel particulate filters
2002-01-0428	Title: Optimizing the low temperature performance and regeneration efficiency of the continuously regenerating diesel particulate filter (CR-DPF) system
2002-01-0429	Title: A novel method for the experimental evaluation of fuel-borne catalyst effect on the soot auto-ignition
2002-01-0430	Title: Performance and durability evaluation of continuously regenerating particulate filters on diesel powered urban buses at NY City Transit—Part II

2002-01-0431	Title: Preliminary results from a six vehicle, heavy-duty truck trial, using additive regenerated DPFs
2002-01-0432	Title: Chemical speciation of exhaust emissions from trucks and buses fueled on ultra-low-sulfur diesel and CNG
2002-01-0433	Title: Year-long evaluation of trucks and buses equipped with passive diesel particulate filters
2002-01-0434	Title: PM thermal regeneration—The potential for catalytic combustion
2002-01-0435	Title: VERT particulate trap verification
2002-01-0436	Title: Series application of a diesel particulate filter with a ceria-based, fuel-borne catalyst: Preliminary conclusions after one year of service
2002-01-0479	Title: A NOx sensor for feedback control and emissions reduction
2002-01-0612	Title: Development of a wet-based NDIR and its application to on-board emission measurement system
2002-01-0613	Title: Development of on-board system to measure running condition and actual NOx emissions from freight vehicle
2002-01-0614	Title: Inference of torque and power from heavy-duty diesel engines for on-road emissions monitoring
2002-01-0635	Title: Comparison of fuel hose SHED test results and predicted values using fundamental material barrier properties
2002-01-0650	Title: Contribution of highway and nonroad mobile source categories to ambient concentrations of 20 hazardous air pollutants in 1996
2002-01-0651	Title: Study on local air pollution caused by NOx from diesel freight vehicle
2002-01-0652	Title: Effect of ambient dilution on coagulation of particulate matter in a turbulent dispersing plume
2002-01-0653	Title: Analysis of contribution to SPM by organic matters using high-performance liquid chromatography (HPLC)
2002-01-0654	Title: Prediction of pollutant concentration variation inside a turbulent dispersing plume using PDF and Gaussian models
2002-01-0730	Title: Vehicle comparison of advanced three-way catalysts and hydrocarbon trap catalysts
2002-01-0734	Title: Impact of alkali metals on the performance and mechanical properties of NOx adsorber catalysts
2002-01-0736	Title: A hexa-aluminate automotive three-way catalyst
2002-01-0737	Title: Exhaust cooling for NOxtraps for lean spark-ignition engines
2002-01-0744	Title: Investigation of post-oxidation and its dependency on engine combustion and exhaust manifold design
2002-01-0746	Title: Determination of diesel injector nozzle characteristics using two-color optical pyrometry
2002-01-0805	Title: Road load data estimation on multiaxial test rigs for exhaust system vibrations
2002-01-0812	Title: Optimization strategies applied to exhaust system design
2002-01-0844	Title: Detection of exhaust manifold leaks on a turbocharged SI-engine with wastegate
2002-01-0865	Title: Common-rail HSDI diesel engine combustion and emissions with fossil/bio-derived fuel blends

2002-01-0866	Title: Exhaust particulate emissions of a mustard seed oil driven tractor engine
2002-01-0889	Title: Effects of fuel parameters and diffusion flame lift-off on soot formation in a heavy-duty DI diesel engine
2002-01-0893	Title: Experimental analysis on soot formation process in DI diesel combustion chamber by use of optical diagnostics
2002-01-0905	Title: Theoretical and experimental investigation on current generation Pd/Rh catalytic converter
2002-01-0953	Title: Numerical analysis of hydrocarbon adsorption and desorption behavior on NOx selective reduction catalysts using supplemental hydrocarbon under diesel transient condition
2002-01-0954	Title: Optimization of diesel engine aftertreatment system with a model of hydrocarbon selective catalyst reduction (HC-SCR) and evolutionary programming
2002-01-0956	Title: A study of lean NOx technology for diesel emission control
2002-01-0957	Title: Simultaneous PM and NOx reduction system for diesel engines
2002-01-0961	Title: Strategies for high EGR rates in a diesel engine
2002-01-0962	Title: Cooled EGR—A must or an option for 2002/04
2002-01-0963	Title: Partial pre-mixed combustion with cooled and uncooled EGR in a heavy-duty diesel engine
2002-01-0991	Title: Development of a hybrid powertrain system using CVT in a minivan
2002-01-0992	Title: Highly efficient hybrid minivan with super low emissions
2002-01-1005	Title: Measurement of the diesel exhaust particle reduction effect and particle size distribution in a transient cycle mode with an installed diesel particulate filter (DPF)
2002-01-1006	Title: Influence of catalyst and exhaust system on particulate deposition and release from an IDI diesel passenger car under real-world driving
2002-01-1007	Title: Measuring the fractional efficiency of diesel particulate filters
2002-01-1008	Title: The origins of nanoparticle modes in the number distribution of diesel particulate matter
2002-01-1009	Title: Diesel particulate filter test methods
2002-01-1010	Title: Pressure drop of monolithic catalytic converters experiments and modelling
2002-01-1011	Title: Fast start-up on-board gasoline reformer for near-zero emissions in spark-ignition engines
2002-01-1013	Title: Observation of Soot Accumulation Conditions in Diesel Particulate Filter and Gas Flow Analysis
2002-01-1015	Title: Microstructural properties of soot deposits in diesel particulate traps
2002-01-1016	Title: Hydrodynamics of diesel particulate filters
2002-01-1017	Title: 3-D catalytic regeneration and stress modelling of diesel particulate filters by ABAQUS FEM software
2002-01-1019	Title: Modelling and numerical simulation of diesel particulate trap performance during loading and regeneration

2002-01-1092	Title: Emissions implications of a twin close-coupled catalyst system designed for improved engine performance on an in-line, 4-cylinder engine
2002-01-1094	Title: Measurement of oxygen storage capacity of three-way catalyst and optimization of A/F perturbation control to its characteristics
2002-01-1095	Title: Semiconductor gas sensors as control monitors for NO _x storage catalytic converters
2002-01-1096	Title: Summer cold start and nanoparticulates of small scooters
2002-01-1112	Title: multi-dimensional modeling of NO and soot emissions with detailed chemistry and mixing in a direct injection natural gas engine
2002-01-1144	Title: Application of neural networks for prediction and optimization of exhaust emissions in a H.D. diesel engine
2002-01-1153	Title: Effect of EGR on autoignition, combustion, regulated emissions and aldehydes in DI diesel engines
2002-01-1154	Title: Cooled EGR modulation: A strategy to meet EURO IV emission standards in automotive DI diesel engines
2002-01-1156	Title: Effect of partial fumigation of the intake air with fuel on a DI diesel engine emissions
2002-01-1157	Title: Reduction of NO _x with superheated steam in a DI diesel engine
2002-01-1159	Title: Effects of fuel injection rate shaping on combustion and emission formation in intermittent spray
2002-01-1160	Title: Cause of exhaust smoke and its reduction methods in an HSDI diesel engine under high-speed and high-load conditions
2002-01-1209	Title: Analysis of performance results from FutureTruck 2001
2002-01-1274	Title: Trends in mobile source-related ambient concentrations of hazardous air pollutants, 1996 to 2007
2002-01-1277	Title: Oxidation catalytic converter and emulsified fuel effects on heavy-duty diesel engine emissions
2002-01-1278	Title: Oxidation catalytic converter and emulsified fuel effects on heavy-duty diesel engine particulate matter emissions
2002-01-1293	Title: Modelling of a solid-electrolyte oxygen sensor
2002-01-1300	Title: An investigation of SF ₆ gas for testing instrumental integrity of the emerging SULEV/PZEV measurement technology
2002-01-1309	Title: A computational study of the effects of low fuel loading and EGR on heat release rates and combustion limits in HCCI engines
2002-01-1311	Title: Flow distributions and pressure drops of wall-flow diesel particulate filters
2002-01-1313	Title: Application of new diesel aftertreatment strategies on a production 1.9 L common-rail turbocharged engine
SAE 2003 World Congress	Title: Cam phaser actuation rate performance impact on fuel consumption and NO _x emissions over the FTP-75 drive cycle
2003-01-0023	

2003-01-0039	Title: Diesel emission control in review—The last 12 months
2003-01-0040	Title: Heavy-duty diesel emission regulations—Past, present, and future
2003-01-0041	Title: Diesel exhaust emissions control for light-duty vehicles
2003-01-0042	Title: NOx adsorber aging on a heavy-duty on-highway diesel engine—Part one
2003-01-0043	Title: Passenger car investigations of NOx adsorber and DPF combination to fulfill future diesel emission limits
2003-01-0044	Title: System evaluation of the HC deNOx catalyst for industrial heavy-duty diesel engine
2003-01-0045	Title: Performance of NOx adsorber emissions control systems for diesel engines
2003-01-0046	Title: Diesel particulate filters: Trends and implications of particle size distribution measurement
2003-01-0047	Title: Performance of a catalyzed diesel particulate filter system during soot accumulation and regeneration
2003-01-0048	Title: NOx and PM control from heavy-duty diesel engines using a combination of low-pressure EGR and continuously regenerating diesel particulate filter
2003-01-0049	Title: Effects of a catalyzed particulate filter on emissions from a diesel engine: Chemical characterization data and particulate emissions measured with thermal optical and gravimetric methods
2003-01-0073	Title: Effects of flame lift-off and flame temperature on soot formation in oxygenated fuel sprays
2003-01-0216	Title: Superior idle elimination system for truck air-conditioning (SIESTA)
2003-01-0220	Title: Lattice Boltzmann simulations of flows in a duct with multiple inlets
2003-01-0221	Title: Attribute analysis and criteria for automotive exhaust systems
2003-01-0225	Title: A contribution to predictive engine calibration based on vehicle drive cycle performance
2003-01-0263	Title: Cooled EGR rate measurement with a thermal anemometer for EPA02 heavy-duty diesel engine emission control
2003-01-0285	Title: Particle size distribution from a heavy-duty diesel engine: Steady-state and transient emission measurement using two dilution systems and two fuels
2003-01-0286	Title: Nanoparticle exhaust gas measurement: On-Line response, high sensitivity, low cost
2003-01-0287	Title: Retention of fuel-borne catalyst particles by diesel particle filter systems
2003-01-0288	Title: Study of exhaust emissions from idling heavy-duty diesel trucks and commercially available idle-reducing devices
2003-01-0289	Title: Particulate matter and aldehyde emissions from idling heavy-duty diesel trucks
2003-01-0290	Title: The effect of ambient temperature, humidity, and engine speed on idling emissions from heavy-duty diesel trucks
2003-01-0291	Title: Secondary emissions from catalytic active particle filter systems
2003-01-0299	Title: Central Carolina vehicle particulate emissions study

2003-01-0300	Title: Performance and emissions evaluation of compressed natural gas and clean diesel buses at New York City's Metropolitan Transit Authority
2003-01-0301	Title: Quantifying vehicle emission factors for various ambient conditions using an on-road, real-time emissions system
2003-01-0342	Title: Effect of engine operating conditions on particle-phase organic compounds in engine exhaust of a heavy-duty, direct- injection (D.I.) diesel engine
2003-01-0343	Title: Reduction of pollutant emissions in a HD diesel engine by adjustment of injection parameters, boost pressure and EGR
2003-01-0344	Title: Can the technology for heavy-duty diesel engines be common for future emission regulations in USA, Japan and Europe?
2003-01-0345	Title: An experimental investigation of PCCI-DI combustion and emissions in a heavy-duty diesel engine
2003-01-0346	Title: Computational study of the effects of injection timing, EGR and swirl ratio on a HSDI multi-injection diesel engine emission and performance
2003-01-0350	Title: Experimental investigation on emission control in C.I. engines using shrouded inlet valve
2003-01-0366	Title: Secondary air injection in the exhaust after-treatment system of S.I. engines: 1D fluid dynamic modelling and experimental investigation
2003-01-0375	Title: Demonstration of the benefits of DPF/FBC systems on London Black Cabs
2003-01-0378	Title: Ceria-based, fuel-borne catalysts for series diesel particulate filter regeneration
2003-01-0379	Title: An optimal usage of NOx in a combined Pt/ceramic foam and a wall-flow monolith filter for an effective NOx-assisted diesel soot oxidation
2003-01-0380	Title: Material development of high porous SiC for catalyzed diesel particulate filters
2003-01-0387	Title: HC measurements by means of flame ionization: Background and limits of low emission measurement
2003-01-0388	Title: Accuracy of total hydrocarbon analyzer measurements in the SULEV region
2003-01-0389	Title: Optimization of a commercially available chemiluminescence analyzer for low-level NOx measurement
2003-01-0390	Title: Development of the direct nonmethane hydrocarbon measurement technique for vehicle testing
2003-01-0391	Title: Vehicle exhaust emissions simulator—A quality control tool to evaluate the performance of low level emission sampling and analytical systems
2003-01-0393	Title: Oxygen content variation in ""zero"" grade air due to production, treatment and distribution
2003-01-0395	Title: Influence of time-alignment on the calculation of mass emissions on a chassis rolls dynamometer
2003-01-0658	Title: Impact of ultra thinwall catalyst substrates for TIER2 emission standards
2003-01-0704	Title: Effect of nozzle hole geometry on a HSDI diesel engine- out emissions

2003-01-0724	Title: Numerical study and analysis of pollutant production and emission control using ion current prediction in the SI engine
2003-01-0757	Title: Effect of boiling point differences of two-component normal paraffin fuels on combustion and emission in CI engines
2003-01-0769	Title: Particle-free exhaust gas recirculation by molecular diffusion: Proof of concept
2003-01-0770	Title: U.S. 2007—Which way to go?—Possible technical solutions
2003-01-0774	Title: Recent DPF/SCR results targeting US2007 and Euro 4/5 HD emissions
2003-01-0775	Title: Application of organic freeze-point depressants in aqueous urea solutions: Effect on NO _x reduction
2003-01-0779	Title: Problems of partial sample systems for modal raw exhaust mass emission measurement
2003-01-0780	Title: Advancements in exhaust flow measurement technology
2003-01-0781	Title: Parameters affecting direct vehicle exhaust flow measurement
2003-01-0782	Title: DVE—Direct vehicle exhaust flow measurement using head-type flowmeters
2003-01-0783	Title: Phase-based TEOM measurements compared with traditional filters for diesel PM
2003-01-0784	Title: The choice of instrument (ELPI and/or SMPS) for diesel soot particulate measurements
2003-01-0786	Title: Simultaneous detection of NO _x and particulate in exhaust of a CR diesel engine by UV-visible spectroscopy
2003-01-0813	Title: Design of a practical intelligent catalyst
2003-01-0814	Title: Development of a low precious-metal automotive perovskite catalytic system for LEV-II
2003-01-0815	Title: A catalyzed hydrocarbon trap using metal-impregnated zeolite for SULEV systems
2003-01-0816	Title: Development of third generation of gasoline P-ZEV technology
2003-01-0817	Title: Development of PZEV exhaust emission control system
2003-01-0818	Title: A metal substrate with integrated oxygen sensor; functionality and influence on air/fuel ratio control
2003-01-0819	Title: FTP and US06 performance of advanced high cell density metallic substrates as a function of varying air/fuel modulation
2003-01-0833	Title: Experimental determination of the kinetics of diesel soot oxidation by O ₂ —Modelling consequences
2003-01-0835	Title: Lattice-Boltzmann diesel particulate filter sub-grid modelling—A progress report
2003-01-0836	Title: Visualization of combustion phenomena in regeneration of diesel particulate filter
2003-01-0837	Title: Heat-up of diesel particulate filters: 2D continuum modelling and experimental results
2003-01-0838	Title: Novel three-dimensional ceramic lattices as catalyst supports and diesel particulate traps
2003-01-0839	Title: Multichannel simulation of soot oxidation in diesel particulate filters
2003-01-0840	Title: The progressive spin inlet—Homogeneous flow distributions under stringent conditions

2003-01-0841	Title: A one-dimensional computational model for studying the filtration and regeneration characteristics of a catalyzed wall-flow diesel particulate filter
2003-01-0842	Title: A study describing the performance of diesel particulate filters during loading and regeneration—A lumped parameter model for control applications
2003-01-0843	Title: Prediction and validation of pressure drop for catalyzed diesel particulate filters
2003-01-0844	Title: Simulation of triangular-cell-shaped, fibrous wall-flow filters
2003-01-0845	Title: Modelling of SCR DeNOx catalyst—Looking at the impact of substrate attributes
2003-01-0846	Title: Flow resistance descriptors for diesel particulate filters: Definitions, measurements and testing
2003-01-0937	Title: Impact of the inlet flow distribution on the light-off behavior of a 3-way catalytic converter
2003-01-1041	Title: Modelling the effect of primary atomization on diesel engine emissions
2003-01-1060	Title: A new quasi-three dimensional combustion model for prediction of DI diesel engines' performance and pollutant emissions
2003-01-1070	Title: Zero-dimensional soot modelling
2003-01-1183	Title: Reducing soot emissions from diesel engines using one atmosphere uniform glow discharge plasma
2003-01-1184	Title: Diesel exhaust simulator: Design and application to plasma discharge testing
2003-01-1186	Title: Steady-state engine testing of g-alumina catalysts under plasma assist for NOx control in heavy-duty diesel exhaust
2003-01-1187	Title: Fundamental study on durability of photocatalysts- plasma-honeycomb (PPH) converter
2003-01-1381	Title: Comparison of exhaust emissions, including toxic air contaminants, from school buses in compressed natural gas, low-emitting diesel, and conventional diesel engine configurations
SAE 2004 World Congress and Exhibition	
2004-01-0040	Title: Combined compensation strategy for the minimization of the pollutant emission of GDI engines under variable atmospheric conditions
2004-01-0043	Title: An integrated simulation model for the prediction of GDI engine cylinder emissions and exhaust after-treatment system performance
2004-01-0050	Title: Thermal studies in the exhaust system of a diesel-powered, light-duty vehicle
2004-01-0052	Title: Theoretical and experimental methodology for the improvement of EGR-coolers design
2004-01-0054	Title: Potential of a controllable engine cooling system to reduce NOx emissions in diesel engines
2004-01-0070	Title: Diesel emission control technology—2003 in review
2004-01-0071	Title: Improvement and simplification of DPF system using a ceria-based, fuel-borne catalyst for diesel particulate filter regeneration in serial applications
2004-01-0072	Title: The development and in-field performance of highly durable particulate control systems
2004-01-0073	Title: Performances and durability of DPF (diesel particulate filter) tested on a fleet of Peugeot 607 taxis: Final results

2004-01-0074	Title: Results from a 1/4 million km, heavy-duty truck trail, using FBC regenerated DPFs
2004-01-0075	Title: Durability of extruded homogeneous SCR catalyst
2004-01-0076	Title: Reliability of DPF systems: Experience with 6000 applications of the Swiss retrofit fleet
2004-01-0077	Title: Durability studies of a base metal catalyzed particulate filter in a severe non-road application
2004-01-0078	Title: Experience of continuously regenerating particulate traps on city buses in Europe
2004-01-0079	Title: Long-term durability of passive diesel particulate filters on heavy-duty vehicles
2004-01-0082	Title: Combustion and performance of a diesel engine with oxygenated diesel blend
	Title: Simulation of effects of valve pockets and internal residual gas distribution on HSDI diesel combustion and emissions
2004-01-0105	
2004-01-0114	Title: Exhaust chemistry of low-NOX, low-PM diesel combustion
2004-01-0116	Title: Simulation studies of the effect of fuel injection pattern on NO and soot formation in diesel engines
2004-01-0117	Title: DI diesel emission control by optimized fuel injection
2004-01-0122	Title: Effect of diesel soot deposition on the performance of exhaust gas recirculation cooling devices
2004-01-0124	Title: Emissions solutions for 2007 and 2010 heavy-duty diesel engines
2004-01-0125	Title: Effect of cooling of burned gas by vertical vortex on NOx reduction in small DI diesel engines
2004-01-0126	Title: Numerical study of combustion processes and pollutant formation in HSDI diesel engines
2004-01-0138	Title: Emission systems optimization to meet future European legislation
2004-01-0139	Title: Cold-start emissions optimization using an expert knowledge-based calibration methodology
2004-01-0140	Title: Emission reduction device for SULEV vehicle applications
2004-01-0142	Title: A measuring technology to analyze HC concentration in the air intake system while the engine is in operation
2004-01-0143	Title: Evaporative leak check system by depressurization method
2004-01-0144	Title: Development of a canning method for catalytic converters using ultra-thin-wall substrates
2004-01-0145	Title: Ultra-thin-wall mat design and optimization with hybrid mats
2004-01-0146	Title: Catalytic converter hot vibration test methods at The 3M Co.
2004-01-0149	Title: Development of an emission aftertreatment system for handheld powertools
2004-01-0152	Title: A CFD study of diesel substrate channels with differing wall geometries
2004-01-0153	Title: Control-oriented model of an SCR catalytic converter system
2004-01-0154	Title: Optimization of urea SCR deNOx systems for HD diesel engines
2004-01-0155	Title: Modelling an ammonia SCR deNOx catalyst: Model development and validation
2004-01-0156	Title: Factors affecting diesel LNT durability in lab reactor studies
2004-01-0158	Title: Prediction of pressure drop in diesel particulate filters considering ash deposit and partial regenerations
2004-01-0159	Title: Soot regeneration model for SiC-DPF system design

2004-01-0210	Title: Automotive sensors and sensor interfaces
2004-01-0525	Title: Online estimation of the oxygen storage level of a three-way catalyst
2004-01-0526	Title: A diesel lean NOx trap model for control strategy verification
2004-01-0527	Title: A new feedback control of a lean NOx trap catalyst
2004-01-0531	Title: Reduction of heavy-duty diesel engine emission and fuel economy with multi-objective genetic algorithm and phenomenological model
2004-01-0577	Title: NOx-particulate filter (NPF): Evaluation of an after-treatment concept to meet future diesel emission standards
2004-01-0578	Title: Development of a new DPNR catalyst
2004-01-0580	Title: Development of NOx trap system for commercial vehicle—Basic characteristics and effects of sulfur poisoning
2004-01-0581	Title: Development of a diesel passenger car meeting Tier 2 emissions levels
2004-01-0582	Title: NOx trap regeneration with an on-board hydrogen generation device
2004-01-0584	Title: Achieving Tier 2 Bin 5 emission levels with a medium-duty diesel pick-up and a NOxadsorber, diesel particulate filter emissions system-exhaust gas temperature management
2004-01-0585	Title: Achieving Tier 2 Bin 5 emission levels with a medium-duty diesel pick-up and a NOxadsorber, diesel particulate filter emissions system—NOxadsorber management
2004-01-0587	Title: Systems approach to meeting EPA 2010 heavy-duty emission standards using a NOxadsorber catalyst and diesel particle filter on a 15L engine
2004-01-0589	Title: Comparison of an alternative particulate mass measurement with advanced microbalance analysis
2004-01-0590	Title: Diesel engine exhaust thermal and vibration mapping
2004-01-0592	Title: Measurement of gasoline exhaust hydrogen emissions
2004-01-0593	Title: An investigation of sample bag hydrocarbon emissions and carbon dioxide permeation properties
2004-01-0594	Title: An experimental procedure for simulating an SC03 emissions test with air conditioner on
2004-01-0595	Title: A new approach of accelerated life testing for metallic catalytic converters
2004-01-0598	Title: Trapping performance of fine particles from a diesel engine by various DPFs with different surface structures
2004-01-0623	Title: Turbulent temperature fluctuations in spark ignition engines and their effect on NOx emissions
2004-01-0635	Title: Numerical investigation of real-world gasoline car drive-cycle fuel economy and emissions
2004-01-0636	Title: The most significant vehicle operating parameter for real-world emission levels
2004-01-0637	Title: Life cycle and economic analysis of heavy-duty diesel vehicle idling alternatives
2004-01-0641	Title: Plastic turbo for secondary air injection
2004-01-0642	Title: Effect of nano-filtered intake air on diesel particulate matter emissions
2004-01-0643	Title: Development of new generation hybrid system (THS II)

2004-01-0644	Title: Research and development program of the next-generation environmentally friendly vehicles (EFVs) in Japan
2004-01-0646	Title: Emissions prediction of CNG/diesel dual fuel engine based on RBF neural network
2004-01-0647	Title: Exhaust gas management
2004-01-0693	Title: Microstructural aspects of soot oxidation in diesel particulate filters
2004-01-0694	Title: The diesel exhaust aftertreatment (DEXA) Cluster: A systematic approach to diesel particulate emission control in Europe
2004-01-0695	Title: Effect of aspect ratio on pressure drop and acoustics in diesel particulate filters
2004-01-0696	Title: Reaction and diffusion phenomena in catalyzed diesel particulate filters
2004-01-0697	Title: Modelling and experimental study of uncontrolled regenerations in SiC filters with fuel-borne catalyst
2004-01-0821	Title: Retrofit program of a EURO 1 and EURO 2 urban bus fleet in La Rochelle, using the ceria-based fuel-borne catalyst for diesel particulate filter regeneration (phase #1)
2004-01-0823	Title: Influence of the nitrogen dioxide-based regeneration on soot distribution
2004-01-0824	Title: DPR developed for extremely low PM emissions in production commercial vehicles
2004-01-0825	Title: Features of the particulate emission and regenerations of different DPF's on a Detroit Diesel 2-stroke bus engine
2004-01-0858	Title: Failure mechanisms in automotive exhaust decouplers
2004-01-0927	Title: Soot emission from a direct injection diesel engine
2004-01-0948	Title: Ash storage concept for diesel particulate filters
2004-01-0950	Title: Asymmetrical channels to increase DPF lifetime
2004-01-0951	Title: Durability study on Si-SiC material for DPF(2)
2004-01-0952	Title: Engine bench and vehicle durability tests of Si-bonded SiC particulate filters
2004-01-0953	Title: New cordierite diesel particulate filter material for the diesel particulate-NOx reduction system
2004-01-0955	Title: Properties and performance of diesel particulate filters of an advanced ceramic material
2004-01-0958	Title: Diesel particulate filter operational characterization
2004-01-0959	Title: Study on reliability of wall-flow-type diesel particulate filter
2004-01-0960	Title: The number concentration of non-volatile particles—Design study for an instrument according to the PMP recommendations
2004-01-0962	Title: Infrared thermometry for diesel exhaust aftertreatment temperature measurement
2004-01-0963	Title: Influence of dilution process on engine exhaust nano-particles
2004-01-0964	Title: Time-resolved measurements of exhaust PM for FTP-75: Comparison of LII, ELPI, and TEOM techniques
2004-01-0965	Title: Reproducibility and accuracy of on-board emission measurements using the RAVEM™system

2004-01-0967	Title: PM measurement artifact: Organic vapor deposition on different filter media
2004-01-0968	Title: A photoacoustic sensor system for time-resolved quantification of diesel soot emissions
2004-01-0969	Title: The effect of semi-circular micro ribs on the deposition of diesel exhaust particulate
2004-01-0970	Title: Improvement of modal mass analysis with analyzer hardware optimizations and mathematically enhanced response time
2004-01-0971	Title: Transient analysis of engine nano-particles using a fast-scanning differential mobility particle analyzer
2004-01-0972	Title: Influence of hydrogen-rich-gas addition on combustion, pollutant formation and efficiency of an IC-SI engine
2004-01-0981	Title: Analysis of HC emissions on single cylinder during transient conditions
2004-01-0984	Title: The heavy-duty gasoline engine—An alternative to meet emissions standards of tomorrow
2004-01-1084	Title: Effects of MMT®fuel additive on emission system components: Comparison of clear- and MMT®-fueled Escort vehicles from the alliance study
2004-01-1085	Title: A study of the effects of fuel type and emission control systems on regulated gaseous emissions from heavy-duty diesel engines
2004-01-1086	Title: Study on fuel economy and NOx emissions of medium-duty hybrid truck in real traffic conditions
2004-01-1087	Title: The effect of ambient temperature and humidity on measured idling emissions from diesel school buses
2004-01-1088	Title: Application of experimental design in the steady state particulate exposure levels in a 1992 International school bus
2004-01-1089	Title: Emission reduction in small SI engine generator sets
2004-01-1090	Title: Development of catalytic converter for 2'stroke-engine-powered vehicles
2004-01-1118	Title: Numerical and experimental analysis of the 3D flow-pattern in exhaust gas sensors
2004-01-1128	Title: Reliability-based design optimization of a vehicle exhaust system
2004-01-1131	Title: Sensitivity analysis of a diesel exhaust system thermal model
2004-01-1132	Title: Integrated 1D to 3D simulation workflow of exhaust aftertreatment devices
2004-01-1133	Title: The optimum cell density for wall-flow monolithic filters: Effects of filter permeability, soot cake structure and ash loading
2004-01-1270	Title: Advanced emission and fuel economy concept using combined injection of gasoline and hydrogen in SI engines
2004-01-1271	Title: Development and system application of an ultra-low loaded precious metal catalyst technology on LEV2 vehicles
2004-01-1272	Title: Thermal properties of the intelligent catalyst
2004-01-1273	Title: Research on HC adsorption emission system

2004-01-1274	Title: Innovative materials with high stability, high OSC, and low light-off for low PGM technology
2004-01-1275	Title: Development of a high-performance catalyzed hydrocarbon trap using Ag-zeolite
2004-01-1276	Title: Catalyst design for high-performance engines capable to fulfill future legislation
2004-01-1289	Title: The development and in-field demonstration of highly durable SCR catalyst systems
2004-01-1290	Title: Onboard emissions monitoring on a HD Truck with an SCR system using NOxsensors
2004-01-1291	Title: NOxcontrol development with urea SCR on a diesel passenger car
2004-01-1292	Title: Technical advantages of urea SCR for light-duty and heavy-duty diesel vehicle applications
2004-01-1294	Title: LOTUS: A co-operation for low temperature urea-based selective catalytic reduction of NOx
2004-01-1315	Title: Internal EGR systems for NOxemission reduction in heavy-duty diesel engines
2004-01-1316	Title: Development of new 2.2-liter turbocharged diesel engine for the EURO-IV standards
2004-01-1341	Title: A new electrical mobility particle sizer spectrometer for engine exhaust particle measurements
2004-01-1398	Title: Detailed kinetic modelling and laser diagnostics of soot formation process in diesel jet flame
2004-01-1399	Title: Non-sooting, low flame temperature mixing-controlled DI diesel combustion
2004-01-1400	Title: Investigation of the relationship between DI diesel combustion processes and engine-out soot using an oxygenated fuel
2004-01-1401	Title: On the correlation between NOxemissions and the diesel premixed burn
2004-01-1411	Title: Investigation of soot formation in diesel combustion using forward illumination light extinction (FILE) technique
2004-01-1412	Title: Soot diagnostics using laser-induced incandescence within an optically accessible HSDI diesel engine
2004-01-1413	Title: Simulation of freely propagating, premixed, laminar flames of iso-octane/air mixtures with methylcyclopentadienyl manganese tricarbonyl (MMTMM) additive
2004-01-1418	Title: Instantaneous exhaust temperature measurements using thermocouple compensation techniques
2004-01-1419	Title: Comparative analysis of different heavy-duty diesel oxidation catalysts configurations
2004-01-1420	Title: Diesel emission control devices—Design factors affecting mounting mat selection
2004-01-1421	Title: The development of a RTD temperature sensor for exhaust applications
2004-01-1422	Title: Diagnostics for diesel particulate filters
2004-01-1423	Title: The study of particle number reduction using after-treatment systems for a heavy-duty diesel engine
2004-01-1424	Title: Homogeneous loading and regeneration of diesel particulate filters using progressive spin elements
2004-01-1425	Title: Combined NOxand PM exhaust gas aftertreatment approaches for HSDI diesel engines
2004-01-1427	Title: Pre-filter diesel oxidation catalyst development for DOC-CSF system
2004-01-1430	Title: Pre-filter diesel oxidation catalyst development for DOC-CSF system
2004-01-1431	Title: Oxygen quench effect on flame ionization detector for hydrocarbon emission measurements

2004-01-1432	Title: Soot distribution in DPF systems—A simple and cost-effective measurement method for series development
2004-01-1436	Title: Development of vehicle exhaust flow measurement calibration device
2004-01-1438	Title: Bag mini-diluter system diagnostics
2004-01-1439	Title: Performance evaluation of a novel sampling and measurement system for exhaust particle characterization
2004-01-1440	Title: Development of two-layer fuel tube system consisting of adhesive-ETFE and modified-PA12
2004-01-1441	Title: Further investigations on time-alignment
2004-01-1442	Title: Exhaust flow meter calibration
2004-01-1444	Title: Development and testing of a compact and mobile CVS system for passenger car particulate measurement
2004-01-1445	Title: Chemical analysis of exhaust emissions from a gasoline direct injection SI engine
2004-01-1487	Title: Application of converter efficiency simulation tool for substrate design
2004-01-1488	Title: Next-generation catalysts are turbulent: Development of support and coating
2004-01-1489	Title: Effect of catalyst inlet cone flow mal-distribution on emissions performance of a close-coupled catalytic converter
2004-01-1490	Title: Development of an engine management strategy and a cost-effective catalyst system to meet SULEV emission requirements demonstrated on a V-6 engine
2004-01-1492	Title: Effect of thermal mass on aging and emissions performance
2004-01-1495	Title: Improvement of heat resistance for lean NO _x catalyst
2004-01-1680	Title: Modelling and simulation of n-butane adsorption/desorption in a carbon canister
2004-01-1738	Title: Deactivation of oxidation catalysts by oil-derived sulfur
2004-01-1790	Title: Developed technologies of the new rotary engine (RENESIS)
SAE Automobile Engineering and Manufacturing Meeting	
750903	Title: Emissions control of gasoline engines for heavy-duty vehicles
750930	Title: Lean burn engine concepts—emissions and economy
750954	Title: Car design for economy and emissions
SAE Brazil '93 Mobility Technology Conference and Exhibit	
931632	Title: MHC and other conversions in a natural gas-fueled engine
931636	Title: Mercedes-Benz commercial vehicle engines for Euro II and EPA 94 emission limits
931637	Title: Challenges to meet heavy duty diesel engine Euro II and U.S. 1998 emission regulations
SAE Brazil 94	
942412	Title: A new test cell computer for exhaust and evaporative emission testing
942418	Title: Experiences with a mini-dilution system for engine homologation and development

942419	Title: Catalyst development for stoichiometric and lean burn natural gas engines
SAE Brazil 95	
952222	Title: Development strategies for commercial vehicle engines for complying with Euro III limit with particular consideration of the customer benefit
952286	Title: The modern exhaust gas laboratory for development of environment friendly engines
952289	Title: Natural gas engine Mercedes-Benz M447hG with exhaust emissions lower than 50% Euro II
952302	Title: Advances in three-way catalysts design to meet Brazilian Phase III emission limits
952309	Title: Influence of piston design on exhaust gas emissions of gasoline engines
SAE Brazil 96 V International Mobility Technology Conference and Exhibit	
962370	Title: Chromatograph determination of unburned fuel concentration in the exhaust of an SI engine
962372	Title: Advances of durability of ceramic converter systems
SAE Future Transportation Technology Conference and Exposition	
1999-01-2927	Title: Advanced engine management using on-board gasoline partial oxidation reforming for meeting super-ULEV (SULEV) emissions standards
2000-01-3072	Title: The influence of the combustion chamber head material of a gasoline engine on exhaust HC
2000-01-3084	Title: Simultaneous reduction of NOx and particulate emissions by using multiple injections in a small diesel engine
2000-01-3087	Title: Experiments and analysis of diesel particulate filter loading and regeneration
2000-01-3088	Title: Application of non-thermal plasma-assisted catalyst technology for diesel engine emission reduction
2000-01-3093	Title: Development of HC sensor and system for catalyst monitoring of automobiles
2000-01-3094	Title: Hydrocarbon adsorbers for reducing cold-start emissions
2000-01-3102	Title: Evaluating the environmental advantages of advanced vehicles
2000-01-3103	Title: Multi-component remote sensing of vehicle exhaust by dispersive absorption spectroscopy
2000-01-3104	Title: OBD using statistical pattern recognition
2001-01-2474	Title: Promise and cost of cellulosic ethanol for the U.S. light-duty fleet
2001-01-2475	Title: Oxygenated diesel: Emissions and performance characteristics of ethanol- diesel blends in CI engines
2001-01-2484	Title: Recent advances in reducing fuel permeability and leakage into the environment from automotive fuel systems
2001-01-2491	Title: Step forward in diesel engine emissions reduction: System incorporating a novel low-emission diesel fuel combined with a diesel oxidation catalyst
2001-01-2492	Title: Engine start characteristics of two hybrid electric vehicles (HEVs)—Honda Insight and Toyota Prius

2001-01-2502	Title: Assessment of hybrid configuration and control strategies in planning future metropolitan/urban transit systems
2001-01-2503	Title: Sulfur poisoning and desulfation of the lean NOx trap
2001-01-2504	Title: Improved performance and reduced emissions in a D. I. engine by fuel additives
2001-01-2505	Title: Emissions from a Cummins B5.9 diesel engine fueled with oxygenate-in-diesel blends
2001-01-2515	Title: Study of three-dimensional modeling for fibrous filters with image effect
2001-01-2537	Title: Test results and modeling of the Honda Insight using ADVISOR
911668	Title: Identification and analysis of excess CO emissions using EPA approved short tests and remote sensing
911671	Title: A comparison of heavy-duty diesel truck engine smoke opacities at high altitude and at sea level
921545	Title: Combustion chamber design for a lean-burn SI engine
931782	Title: Performance and emissions of clean fuels in transit buses with Cummins L10 engines
931783	Title: Chasis dynamometer emissions testing results for diesel and alternative- fueled transit buses
931787	Title: Evaluation of a particulate trap system and an ethanol injection/catalyst system on an upgraded DDC 6V-92 TA transit bus engine
931788	Title: A correlation study between two heavy-duty vehicle chassis dynamometer emissions testing facilities
961678	Title: A novel approach for simultaneous NOx and smoke reduction: Interacting-Sprays injection
961699	Title: Ontario's indoor, controlled-mode remote sensing I/M prescreen concept
961700	Title: Repair effectiveness indices for the British Columbia vehicle emissions inspection and maintenance program
961709	Title: Study of in-use alternative fuel vehicle emission performance under EPA and BC AirCare test cycle
972675	Title: Advances in air charging technology
981933	Title: A new concept for low-emission diesel combustion (2nd report: reduction of HC and CO emission, and improvement of fuel consumption by EGR and MTBE blended fuel)
SAE Government Industry Meeting and Exposition	
1999-01-2249	Title: The DOE/NREL environmental science and health effects program—An overview
1999-01-2250	Title: Progress in understanding the toxicity of gasoline and diesel engine exhaust emissions
2000-01-2198	Title: Emission control research to enable fuel efficiency: department of energy heavy vehicle technologies
2000-01-2212	Title: Diesel aerosol sampling in the atmosphere
2000-01-2213	Title: Particulate emissions from a pre-emissions control era spark-ignition vehicle: a historical benchmark
2000-01-2214	Title: Comparative toxicity of gasoline and diesel engine emissions

2001-01-2064	Title: Exhaust aftertreatment research for heavy vehicles
2001-01-2069	Title: The DOE/NREL environmental science program
840906	Title: Automotive emissions and health effects research needs: the European view
840908	Title: Automobile emissions: primary health effects concerns
851210	Title: NOx reduction is compatible with fuel economy through Toyota's lean combustion system
901110	Title: The development of a real-time evaporative emission test
901111	Title: Short term options for controlling CO ₂ emissions of light duty vehicles
SAE International Alternative Fuels Conference and Exposition	
952746	Title: Comparative emissions from natural gas and diesel buses
952748	Title: Gasoline evaporative emissions—Ethanol effects on vapor control canister sorbent performance
952751	Title: Powertrain development of the 1996 Ford Flexible Fuel Taurus
952754	Title: ULEV potential of a DI/TCI diesel passenger car engine operated on Dimethyl Ether
SAE International Congress and Exposition	
1999-01-0107	Title: Global trends in diesel emissions control—A 1999 update
1999-01-0108	Title: Diesel exhaust treatment—New approaches to ultra low emission diesel vehicles
1999-01-0109	Title: Hydrocarbon DeNOx catalysis—System development for diesel passenger cars and trucks
1999-01-0110	Title: The impact of retrofit exhaust control technologies on emissions from heavy-duty diesel construction equipment
1999-01-0112	Title: Assessment of the performance of diesel particulate filter systems with fuel additives for enhanced regeneration characteristics
1999-01-0113	Title: Diesel particulate control—Application of an activated particulate trap in combination with fuel additives at an ultra low dose rate
1999-01-0114	Title: Use of ozone-enriched air for diesel particulate trap regeneration
1999-01-0115	Title: The ignition and combustion of cerium doped diesel soot
1999-01-0116	Title: Particulate traps for retro-fitting construction site engines—VERT: Final measurements and implementation
1999-01-0146	Title: Simultaneous measurement of soot mass concentration and primary particle size in the exhaust of a DI diesel engine by time-resolved laser-induced incandescence (TIRE-LII)
1999-01-0147	Title: Evaluation of Horiba MEXA 7000 bag bench analyzers for single range operation
1999-01-0148	Title: Evaluation of mass flow controller gas divider for linearizing emission analytical equipment
1999-01-0150	Title: Numerical analysis of mass emission measurement systems for low emission vehicles
1999-01-0151	Title: A CFV type mini-dilution sampling system for vehicle exhaust emissions measurement
1999-01-0152	Title: The control of TP pressure in emissions sampling systems
1999-01-0153	Title: New methods for emission analyzer calibrations

1999-01-0154	Title: Proportional ambient sampling: A CVS improvement for ULEV and lean engine operation
1999-01-0189	Title: Experimental investigation of the effect of fuel composition on the formation of pollutants in direct injection diesel engines
1999-01-0202	Title: Long term stable NOx sensor with integrated in-connector control electronics
1999-01-0220	Title: Emissions and fuel utilization after cold starting spark ignition engines
1999-01-0222	Title: Further improvements on a HC emissions model: Partial burn effects
1999-01-0223	Title: Utilization of a quasi-dimensional model for predicting pollutant emissions in SI engines
1999-01-0227	Title: Application of a multi-zone combustion model for the prediction of large scale marine diesel engines performance and pollutants emissions
1999-01-0229	Title: A computational investigation of premixed lean diesel combustion—Characteristics of fuel-air mixture formation, combustion and emissions
1999-01-0233	Title: A developed model for emissions prediction of a DI diesel engine
1999-01-0268	Title: High cell density and thin wall substrate for higher conversion ratio catalyst
1999-01-0269	Title: Thin wall ceramic catalyst supports
1999-01-0270	Title: The development of an alumina fiber mat for a catalytic converter
1999-01-0271	Title: A comparison of emissions and flow restriction of thinwall ceramic substrates for low emission vehicles
1999-01-0272	Title: The impact of high cell density ceramic substrates and washcoat properties on the catalytic activity of three way catalysts
1999-01-0273	Title: Thermal shock resistance of standard and thin wall ceramic catalysts
1999-01-0307	Title: Development of low light-off three way catalyst
1999-01-0308	Title: Improvements in Pd:Rh and Pt:Rh three way catalysts
1999-01-0309	Title: Comparison of Pd-only versus Pd-Rh catalysts: Effects of sulfur, temperature and space velocity
1999-01-0311	Title: Closed loop catalyst temperature feedback for controlled catalyst lightoff and diagnostics for ULEV
1999-01-0312	Title: Chemical aspects of the dynamic performance of a three-way catalyst
1999-01-0452	Title: Modeling of catalytic conversion of CO/HC in gasoline exhaust at engine cold-start
1999-01-0453	Title: Exhaust system heat transfer and catalytic converter performance
1999-01-0454	Title: CFD prediction and experimental validation of high- temperature thermal behavior in catalytic converters
1999-01-0455	Title: A fuel-rate-based catalyst pass fraction model for predicting tailpipe NOx emissions from a composite car
1999-01-0456	Title: Development and application of a computer-aided engineering tool for hydrocarbon adsorber catalysts
1999-01-0457	Title: A study of flow characteristics inside the two types of exhaust manifold and CCC systems

1999-01-0458	Title: Computer-aided engineering in the development of diesel exhaust aftertreatment systems
1999-01-0459	Title: Reversed flow converter: Fundamentals of the design
1999-01-0460	Title: Modeling the transient characteristics of a three-way catalyst
1999-01-0461	Title: SULEV and "off-cycle" emissions benefits of a vacuum- insulated catalytic converter
1999-01-0463	Title: Development of high-durability diesel particulate filter by using SiC fiber
1999-01-0464	Title: SiC diesel particulate filter application to electric heater system
1999-01-0465	Title: A computational model describing the performance of a ceramic diesel particulate trap in steady-state operation and over a transient cycle
1999-01-0466	Title: Filtration assessment and thermal effects on aerodynamic regeneration in silicon carbide and cordierite particulate filters
1999-01-0467	Title: A new design to limit the particulate matter (PM) emissions by the use of a retro-fit
1999-01-0468	Title: Optimized filter design and selection criteria for continuously regenerating diesel particulate traps
1999-01-0469	Title: Periodically reversed flow regeneration of diesel particulate traps
1999-01-0470	Title: The latest developments in heavy-duty vehicle aftertreatment testing for real-world emissions and fuel economy
1999-01-0471	Title: The reduction of diesel engine emissions by using the oxidation catalysts on Japan diesel 13 mode cycle
1999-01-0502	Title: The effect of in-cylinder, wall-wetting location on the HC emissions from SI engines
1999-01-0508	Title: In-cylinder quantitative soot concentration measurement by laser-induced incandescence
1999-01-0512	Title: A study of unburnt hydrocarbon emission in small DI diesel engines
1999-01-0515	Title: A theoretical model for the correlation of smoke number to dry particulate concentration in diesel exhaust
1999-01-0571	Title: Unburned hydrocarbon emissions from SI engines using gaseous fuels
1999-01-0615	Title: Development of high-performance catalyst temperature sensor for NO _x catalyst control
1999-01-0768	Title: A new converter concept providing improved flow distribution and space utilization
1999-01-0769	Title: Improving flow efficiency of a catalytic converter using the concept of radially variable cell density—Part I
1999-01-0770	Title: The necessity of optimizing the interactions of advanced post-treatment components in order to obtain compliance with SULEV legislation
1999-01-0771	Title: Reduction technologies for evaporative emissions in zero- level emission vehicle
1999-01-0772	Title: Technology for reducing exhaust gas emissions in zero-level emission vehicles (ZLEV)
1999-01-0773	Title: ERIC—A system to modify vehicle emissions through computer- controlled signal interception
1999-01-0774	Title: Using advanced emission control systems to demonstrate LEV II ULEV on light-duty gasoline engines

1999-01-0775	Title: Emission control technologies for EU Stage IV + EOBD on small cars (Part I): Pre-screening of potential solutions
1999-01-0776	Title: Dual-catalyst underfloor LEV/ULEV strategies for effective precious metal management
1999-01-0792	Title: An internally heated tip injector to reduce HC emissions during cold start
1999-01-0835	Title: Reduction of steady-state NO _x levels from an automotive diesel engine using optimized VGT/EGR schedules
1999-01-0836	Title: NO _x emissions from direct-injection diesel engines with water/steam dilution
1999-01-0837	Title: Efficient EGR technology for future HD diesel engine emission targets
1999-01-0840	Title: the influence of boost pressure on emissions and fuel consumption of a heavy-duty, single-cylinder D.I. diesel engine
1999-01-0841	Title: Prediction of major pollutants emission in direct-injection, dual-fuel diesel and natural gas engines
1999-01-0971	Title: Reduction of hybrid diesel engine emission by EGR (an only possible method to meet U.S. emission standard of the year 2004)
1999-01-1073	Title: Euro III/Euro IV emissions—A study of cold-start and warm-up phases with a SI (spark ignition) engine
1999-01-1074	Title: Emission of CO ₂ and fuel consumption for automotive vehicles
1999-01-1076	Title: Influence of oxygen storage characteristics on automobile emissions
1999-01-1081	Title: Reduction of N ₂ O from automobiles equipped with three-way catalyst—Analysis of N ₂ O increase due to catalyst deactivation
1999-01-1093	Title: An application of carbo canister modeling to air-fuel ratio control and idle by-pass control
1999-01-1103	Title: A control-oriented carbon canister model
1999-01-1137	Title: Effects of DGM and oxidation catalyst on diesel exhaust emissions
1999-01-1144	Title: Exhaust particulate emissions from two port-fuel-injected, spark-ignition engines
1999-01-1145	Title: Exhaust particulate emissions from a direct-injection, spark-ignition engine
1999-01-1146	Title: Analysis of electric vehicle utilization on global CO ₂ emission levels
1999-01-1230	Title: In-line hydrocarbon adsorber
1999-01-1231	Title: Thermal management on close-coupled catalysts
1999-01-1232	Title: Oxygen-enriching membranes for reduced cold-start emissions
1999-01-1233	Title: Electrically initiated chemically heated catalytic converter to reduce cold-start emissions from automobiles
1999-01-1279	Title: Development of NO _x storage-reduction, three-way catalyst for D-4 engines
1999-01-1280	Title: New total-NO _x sensor based on mixed potential for automobiles
1999-01-1281	Title: Development of the control and aftertreatment system for a very low emission G-DI vehicle
1999-01-1282	Title: Gaseous and particulate emissions from a vehicle with a spark-ignition, direct-injection engine

1999-01-1283	Title: Closed-loop measurement of NOx storage capacity and oxygen storage capacity of a lean NOx trap
1999-01-1332	Title: Emission control technologies for EU Stage IV + EOBD on small cars (Part II): Endurance fleets management
810019	Title: Hydrocarbon oxidation in the exhaust port of a spark ignition engine
810085	Title: The application of a three way conversion catalyst system to a heavy-duty gasoline engine
810112	Title: Assessment of diesel particulate control—direct and catalytic oxidation
810114	Title: Cellular ceramic diesel particulate filter
820181	Title: Characterization of particulate emission from swirl chamber type light-duty diesel engine as a function of engine parameters
820272	Title: Performance and regeneration characteristics of a cellular ceramic diesel particulate trap
820388	Title: Closed-loop control of an engine's carbon monoxide emissions using an infrared diode laser
820483	Title: Use of high cell density monolithic catalysts for automotive exhaust emission control
830084	Title: Diesel car particulate control methods
830179	Title: The benefits and costs of light duty diesel particulate control
830455	Title: Particulate emissions from diesel engines—evaluation of measurement and results
830457	Title: The effects of a porous ceramic particulate trap on the physical, chemical and biological character of diesel particulate emissions
830587	Title: Analysis of hydrocarbon emissions mechanisms in a direct injection spark-ignition engine
840036	Title: A mathematical engine model including the effect of engine emissions
840074	Title: Design considerations for mounting material for ceramic wall-flow diesel filters
840170	Title: Catalytic particulate control for off-highway diesels
840172	Title: Effects of catalytic wire-mesh traps on the level and measurement of heavy-duty diesel particulate emissions
840174	Title: Particulate control technology and particulate standards for heavy duty diesel engines
840177	Title: The costs and benefits of diesel particulate control II
840545	Title: Diesel electronic engine emission controls
850110	Title: The effects of engine and fuel parameters on diesel exhaust emissions during discrete transients in speed and load
850130	Title: Long-term durability of ceramic honeycombs for automotive emissions control
850133	Title: The effect of EGR system response time on NOx feedgas emissions during engine transients
850147	Title: Evaluation of heavy-duty engine exhaust particulate traps
850149	Title: The Colorado diesel emissions control program—stage I
850207	Title: Economy and NO emission potential of an SI variable R/L engine

850269	Title: Dynamic measurements of particulate mass emission on light-duty diesel engines under steady state and transient conditions
860013	Title: Possibilities of particle reduction for diesel engines
860296	Title: Feasibility of retrofit technologies for diesel emissions control
860417	Title: Emission controls for a 2.2L diesel engine
870125	Title: Two-hole injector improves transient performance and exhaust emissions of 4-valve engines
870343	Title: Factors that affect BSFC and emissions for diesel engines: part 1 —presentation of concepts Title: Factors that affect BSFC and emissions for diesel engines —part II —experimental confirmation of concepts presented in part 1
870344	
880103	Title: Catalyst technologies for future automotive emission systems
880318	Title: Design of exhaust gas catalyst systems for European applications
880346	Title: Diesel engine emissions control for the 1990's
880347	Title: Particulate traps—Some progress; some problems
880350	Title: Design choices for 1990's low emission diesel engines
890467	Title: A study of exhaust and noise emissions reduction on a single spray direct injection diesel engine
890623	Title: How injector, engine and fuel variables impact smoke and hydrocarbon emissions with port-fuel injection
890815	Title: Catalyst formulations—1960 to present
890851	Title: Fuel-injection equipment for heavy duty diesel engines for U.S. 1991/1994 emission limits
900108	Title: Durability studies of trap oxidizer systems
900112	Title: Field evaluation of a diesel particulate trap system for a 6V-92TA transit bus engine
900274	Title: Results of exhaust emission measurements with oxygenated motor gasolines
900275	Title: Performance of a new system for emission sampling and measurement (SESAM) Title: An investigation into the production of hydrocarbon emissions from a gasoline engine tested on chemically defined fuels
900354	
900443	Title: Analysis of transient emission data of a model year 1991 heavy duty diesel engine
900590	Title: Emissions impossible—The piston and ring support system Title: Improvement of lambda control based on an exhaust emission simulation model that takes into account fuel transportation in the intake manifold
900612	
900643	Title: Measurement of unregulated exhaust emissions from heavy duty diesel engines with mini-dilution tunnel
900652	Title: Combustion system development trends for multivalve gasoline engines
910335	Title: Reduction of diesel particulates, unburned hydrocarbons, and nitrogen oxides from diesel exhaust gases

910606	Title: The measurement and sampling of controlled regeneration emissions from a diesel wall-flow particulate trap
910609	Title: The effect of a ceramic particulate trap on the particulate and vapor phase emissions of a heavy-duty diesel engine
910735	Title: Fuel and maladjustments effects on emissions from a diesel bus engine
910738	Title: Variability in particle emission measurements in the heavy-duty transient test
910840	Title: New potential exhaust gas aftertreatment technologies for "clean car" legislation
910845	Title: Operating temperature effects on catalyst performance and durability
910850	Title: Exhaust emissions of an ethanol DI spark-assisted diesel engine equipped with a catalytic converter
920091	Title: Catalytic reduction of NO _x in actual diesel engine exhaust
920095	Title: Hydrocarbon emissions of SI engines as influenced by fuel absorption-desorption in oil films
920117	Title: The control of diesel emissions by supercharging and varying fuel- injection parameters
920298	Title: Emission levels and catalyst temperatures as a function of ignition-induced misfire
920320	Title: Advanced emission speciation methodologies for the auto/oil air quality improvement research program I hydrocarbons and ethers
920321	Title: Advanced emissions speciation methodologies for the auto/oil air quality improvement research program-II aldehydes, ketones, and alcohols
920368	Title: Diesel catalysts for low particulate and low sulfate emissions
920397	Title: Preliminary investigation on genotoxic potential of diesel exhaust
920398	Title: Minimizing the hydrocarbon emission of a spark-ignited engine at cold condition and non-stationary operation
920400	Title: Exhaust gas ignition (EGI) a new concept for rapid light-off of automotive exhaust catalyst
920416	Title: Improvement of LEV/ULEV potential of fuel efficient high performance engines
920466	Title: Prediction of diesel engine particulate emission during transient cycles
920467	Title: Reduction of smoke and NO _x by strong turbulence generated during the combustion process in D.I. diesel engines
920468	Title: Optimizing control of NO _x and smoke emissions from DI engine with EGR and methanol fumigation
920568	Title: Recent developments on the N.U. rotating self cleaning particulate trap—Retention of PAC's and HC emissions
920687	Title: Characteristics and combustibility of particulate matter
920721	Title: Bridging the present to the future in personal transportation—The role of internal combustion engines
920722	Title: Experiences with 20 user vehicles equipped with electrically heated catalyst systems—Part I
920724	Title: Technique for the analysis of FTP emissions

920728	Title: Analysis of total and individual hydrocarbon components in the exhaust and inside the cylinder of a two-stroke engine
920731	Title: Effect of mileage accumulation on particulate emissions from vehicles using gasoline with methylcyclopentadieny manganese tricarbonyl
920846	Title: Investigation of catalytic alternatives to rhodium in emissions control
920847	Title: Cold-start hydrocarbon collection for advanced exhaust emission control
920853	Title: Catalytic reduction of NO _x and diesel exhaust
920854	Title: The influence of an oxidation catalytic converter and fuel composition on the chemical and biological characteristics of diesel exhaust emissions
930046	Title: Can hybrid vehicles reduce the pollutant emission in urban environments
930076	Title: Advanced three-way catalyst formulations for high temperature applications
930077	Title: Use of a repeatable car to improve intra-lab variability of emissions tests
930078	Title: Running loss temperature profiles
930079	Title: Real-time soot concentration measurement technique for engine exhaust streams
930084	Title: The performance of Pd, Pt, and Pd-Pt catalysts in lean exhaust
930126	Title: Global trends in diesel particulate control, 1993 update
930127	Title: System level computer simulation for modeling electrical regeneration diesel particulate traps
930128	Title: Lifetime prediction of wall-flow type diesel particulate filters using fatigue characteristics
930129	Title: Production experience of a ceramic wall flow electric regeneration diesel particulate trap
930130	Title: The design of flow-through diesel oxidation catalysts
930131	Title: A diesel particulate regeneration system using a copper fuel additive
930133	Title: The development of a production qualified catalytic converter
930134	Title: Thermal analysis for the evaluation of SOF oxidation temperature by diesel catalyst
930135	Title: Catalytic reduction of NO _x in diesel exhaust
930141	Title: A sampling system for the measurement of precatalyst emissions from vehicles operating under transient conditions
930142	Title: Improved emissions speciation methodology for phase II of the auto/oil air quality improvement research program—Hydrocarbons and oxygenates
930161	Title: Durable packaging design for cordierite ceramic catalysts for motorcycle application
930219	Title: Catalytic control of emissions from M-85 fueled vehicles
930220	Title: Comparison of exhaust emissions from a vehicle fueled with methanol- containing additives for flame luminosity
930221	Title: Evaluation of a catalytic converter for a 3.73 kW natural gas engine
930223	Title: Treatment of natural gas vehicle exhaust

930249	Title: Evolution of Pd/Rh TWC catalyst technology
930251	Title: Perovskite-Pd three-way catalysts for automotive applications
930252	Title: A comparison of rate laws for CO oxidation over Pt on alumina
930253	Title: The effectiveness of Pd for converting hydrocarbons in TWC catalysts
930254	Title: Novel catalyst system for treating exhaust gases from internal combustion and stationary source engines
930274	Title: Contribution of EUI-200 and quiescent combustion system towards US94 emissions
930311	Title: A preliminary report on natural gas fueled truck emissions
930323	Title: Study on air assist fuel injector atomization and effects on exhaust emission reduction
930360	Title: Study of SiC application to diesel particulate filter (part 1)—Material development
930361	Title: Study of SiC application to diesel particulate filter (part 2)—Engine test results
930362	Title: The knitted particulate trap: field experience and development progress
930363	Title: Off-highway exhaust gas after-treatment: combining urea-SCR, oxidation catalysis and traps
930367	Title: Design of a diesel particulate trap-incinerator with simultaneous filtration and compressed air regeneration (CAR)
930368	Title: On-road testing of a reverse air-flow cleaning, soot-oxidizing diesel particulate trap system
930369	Title: The EGR system for diesel engine using a low voltage soot removal device
930371	Title: Effect of olefin carbon number on reactivity of automotive hydrocarbon emissions
930372	Title: Effect for gasoline reformulation on exhaust emissions in current European vehicles
930373	Title: Speciated hydrocarbon emissions from aromatic, olefinic and paraffinic model fuels
930374	Title: Quantifying the air pollution emissions reduction effectiveness and costs of oxygenated fuels
930380	Title: Performance and emissions of a natural gas-fueled 16 valve DOHC four- cylinder engine
930382	Title: Start catalysts systems employing heated catalyst technology for control of emissions from methanol-fueled vehicles
930383	Title: Reduced energy and power consumption for electrically heated extruded metal converters
930384	Title: Optimization of an electrically-heated catalytic converter system calculations and application
930385	Title: Electrically heated catalysts and reformulated gasolines
930386	Title: Use of light-off catalysts to meet the California LEV/ULEV standards
930393	Title: Error analysis of the vehicle exhaust emission measurement system
930497	Title: Improvement of exhaust emissions from a two-stroke engine by direct injection system
930502	Title: Exhaust gas flow behavior in a two-stroke engine
930612	Title: Approach to low NOx and smoke emission engines by using phenomenological simulation
930624	Title: Thermal measurements inside a three-way catalytic converter on engine bench

930711	Title: Effects of port-injection timing and fuel droplet size on total and speciated exhaust hydrocarbon emissions
930714	Title: A comparison of hydrocarbon emissions from different piston designs in a SI engine
930730	Title: The effects of fuel sulfur concentration on regulated and unregulated heavy-duty diesel emissions
930735	Title: Catalytic reduction of NO _x with hydrocarbons under lean diesel exhaust gas conditions
930736	Title: Lean NO _x catalyst evaluation and characterization
930737	Title: Evaluation of a Cu/zeolite catalyst to remove NO _x from lean exhaust
930738	Title: Reduction of exhaust gas emissions by using hydrocarbon adsorber systems
930739	Title: Hydrocarbon traps for controlling cold start emissions
930776	Title: Emission behavior of low-pollution petrol-engine motor-vehicles in use
930777	Title: Nickel-free hydrogen sulfide control technology for European applications
930778	Title: TPD-analysis of hydrogen adsorbed at various temperatures on three-way exhaust gas catalysts
930779	Title: A comparative study of gasoline and diesel passenger car emissions under similar conditions of use
930858	Title: Evap-system—New actuators facing the future requirements for purge flow management
930927	Title: Modelling and measurements from a natural gas fuelled engine
930937	Title: Deterioration of three-way automotive catalysts part 1—Steady state and transient emission of aged catalyst
930939	Title: Electronic throttle control as an emission reduction device
930940	Title: Evaluation of high cell density z-flow catalyst
930941	Title: The importance of carbon dioxide emissions legislation to the future of the world automobile industry
930943	Title: Development of a high performance catalytic converter for a turbocharged gasoline engine using thin wall ceramic technology
930944	Title: Deterioration of three-way automotive catalysts part II—Oxygen storage capacity at exhaust conditions
930945	Title: A study of VOC running losses from European canister-equipped vehicles
930946	Title: Regulated and unregulated emissions from catalyst vehicles at low ambient temperatures
930973	Title: A study of NO and soot evolution in a DI diesel engine via planar imaging
930976	Title: Time series analysis of diesel exhaust gas emissions under transient operation
931003	Title: The influence of lubricating oil age on emissions from an IDI diesel
931004	Title: Effects of oxygen-enriched air on diesel engine exhaust emissions and engine performance
931026	Title: Canadian light duty vehicle emissions inventories for the year 2000
931035	Title: Exhaust-emission optimization of DI-diesel passenger car engine with high- pressure fuel injection and EGR

940162	Title: Metal ion implantation for the automotive market
940164	Title: Understanding how molecules permeate through solid substances
940233	Title: A review of diesel particulate control technology and emission effects
940234	Title: Seven years experience with diesel particulate filter systems in nonroad applications
	Title: Development of a diesel particulate filter composition and its effect on thermal durability and filtration
940235	performance
940236	Title: Flow characteristics of SiC diesel particulate filter materials
940237	Title: Development of wall-flow type diesel particulate filter system with reverse pulse air regeneration
940238	Title: International experience using diesel catalytic converters for urban buses
940239	Title: Performance characteristics of a novel diesel oxidation catalyst
940240	Title: Development of oxidation catalyst for diesel engine
	Title: The influence of an oxidation catalytic converter on the chemical and biological characteristics of diesel exhaust
940241	emissions
940242	Title: Catalytic performance of Alumina for NO _x control in diesel exhaust
940243	Title: Effects of an oxidation catalytic converter on regulated and unregulated diesel emissions
940300	Title: The determination of EPA city fuel economy from hot start results
940303	Title: Aggregate vehicle emission estimates for evaluating control strategies
940304	Title: Nitrous oxide emissions from light duty vehicles
940305	Title: Hydrocarbon emission sequence related to cylinder mal- distribution in a L-head engine
940306	Title: The effects of crevices on the engine-out hydrocarbon emissions in SI engines
940310	Title: The effect of three-way catalyst formulation on sulphur tolerance and emissions from gasoline fuelled vehicles
940342	Title: The emission of PAH from a DI diesel engine operating on fuels and lubricants with known PAH content
940345	Title: Effects of combustion chamber deposits on tailpipe emissions
940392	Title: Cyclic variation of CO and CO ₂ emissions and scavenging flow in a two-stroke engine
940403	Title: Hydrocarbon modeling for two-stroke SI engine
940446	Title: Fuel film dynamics in the intake port of a fuel injected engine
940453	Title: Emissions control technology for locomotive engines
940454	Title: Ceramic trap system for passenger cars
940457	Title: Simultaneous reduction of NO _x and soot exhausted from diesel engine
940458	Title: Diesel particulate control system for Ford 1.8L Sierra Turbo- Diesel to meet 1997-2003 particulate standards
940459	Title: Pre-turbo application of the knitted fiber diesel particulate trap

940460	Title: Control of diesel soot, hydrocarbon and NOx emissions with a particulate trap and EGR
940461	Title: An aerodynamically regenerated diesel particulate trap with a flow-through soot incinerator section
940463	Title: Development of particulate trap system with cross flow ceramic filter and reverse flow cleaning regeneration 2
940464	Title: New technology for reducing the power consumption of electrically heated catalysts
940465	Title: Ultra-low power electrically-heated catalyst system
940466	Title: A structurally durable EHC for the exhaust manifold
940467	Title: Fast lightoff non-electrically and electrically heated Microlith® catalytic converter
940468	Title: Optimization of extruded electrically heated catalysts
940469	Title: Concepts for ultra low emission vehicles
940470	Title: Heated catalytic converter—Competing technologies to meet LEV emission standards
940472	Title: Secondary air injection with a new developed electrical blower for reduced exhaust emissions
940474	Title: Novel emission technologies with emphasis on catalyst cold start improvements—Status report on VW-Pierburg burner/catalyst systems
940479	Title: Can the maximization of fuel economy be compatible with the minimization of pollutant emissions?
940480	Title: Effect of engine operating variables and piston and ring parameters on crevice hydrocarbon emissions
940481	Title: Reduction of HC emission from VTEC engine during cold-start condition
940489	Title: Passenger car exhaust emission auditing in production
940523	Title: Modeling the effects of fuel injection characteristics on diesel engine soot and NOx emissions
940579	Title: Effect of gasoline olefin composition on predicted ozone in 2005/2010—Auto/oil air quality improvement research program
940581	Title: Air Toxics: a comparison of the gas- and particle-phase emissions from a high-emitter vehicle with those from a normal- emitter vehicle
940666	Title: Diesel exhaust emissions prediction under transient operating conditions
940668	Title: Measurement of the effect of injection rate and split injections on diesel engine soot and NOx emissions
940669	Title: Effects of increased altitude on heavy-duty diesel engine emissions
940676	Title: Influence of the molecular structure of hydrocarbon fuels on diesel exhaust emissions
940738	Title: Collection of exhaust hydrocarbons by a heated stainless steel canister and a heated stainless steel syringe
940739	Title: Modal measurements of some important NMOG species by FT-IR spectroscopy
940740	Title: A comparison of gas chromatography-based methods of analyzing hydrocarbon species
940741	Title: Particulate matter emissions, analysis by means of a sampling sonde technique

940742	Title: Analysis of the FTP performance of metal foil and ceramic substrate catalytic converters using statistical methods
940743	Title: Optimization of catalytic converter location achieved with a curve catalytic honeycomb substrate
940744	Title: Design considerations for a ceramic preconverter system
940745	Title: The effect of lubricant phosphorus level on exhaust emissions in a field trial of gasoline engine vehicles
940747	Title: The physical and chemical effect of manganese oxides on automobile catalytic converters
940782	Title: High temperature durability of electrically heated extruded metal support
940783	Title: Fuel effects on emissions from an advanced technology vehicle, part II
940784	Title: Study of ceramic catalyst optimization for emission purification efficiency
940824	Title: Chemical analysis of gases with tunable diode lasers
940825	Title: Dynamic laser analysis of exhaust gas
940826	Title: Fast multicomponent exhaust gas analyzer for dynamic exhaust measurements
940827	Title: Development of a single run method for the determination of individual hydrocarbons (C2-C12) in automotive exhaust by capillary gas chromatography
940828	Title: Recent developments in on line continuous gas analyzers used for low emission vehicle testing
940896	Title: Reducing NO _x in ICE
940897	Title: Reducing particulate and NO _x emissions by using multiple injections in a heavy; duty D.I. diesel engine
940902	Title: Influence of fuel sulfur content on particulate emissions of Ford 1.8L Sierra turbo-diesel equipped with flow through catalytic converter
940926	Title: Nitrous oxide formation over three-way catalysts
940927	Title: The effect of intermittent engine misfire and air to fuel ratio excursions on exhaust catalyst temperature
940928	Title: Recent trends in the application of tri-metal emission control catalysts
940929	Title: The impact of oxygenates on exhaust emissions of six European cars
940930	Title: In-use vehicle emissions control in Finland: introduction and practical experience
940931	Title: Systems enhanced by software for LEV
940932	Title: Improved cell design for increased catalytic conversion efficiency
940933	Title: Emissions performance of current TWC vehicles at low ambient temperature over FTP and ECE test cycles
940934	Title: Transient modeling of 3-way catalytic converters
940935	Title: Performance and durability of palladium only metallic three- way catalyst
940936	Title: Multiple disc catalytic converters—An innovative approach for improved conversion at lower cost

940962	Title: Fast NO measuring device for internal combustion engines
940963	Title: Time-resolved measurement of speciated hydrocarbon emissions during cold start of a spark-ignited engine
940964	Title: Computer controlled sampling and inlet system for time- resolved, engine-synchronous exhaust gas analysis
940977	Title: The evaluation of a compute controlled air pump for improved automobile emissions
941015	Title: Influence of a fuel additive on the performance and emissions of a medium-duty diesel engine
941016	Title: Effect of fuel composition on exhaust gas emissions from DI and DI impingement diffusion combustion diesel engines
941018	Title: Relationships between fuel properties and composition and diesel engine combustion performance and emissions
941020	Title: Effects of cetane number, cetane improver, aromatics, and oxygenates on 1994 heavy-duty diesel engine emissions
941042	Title: Development of an alternator-powered electrically-heated catalyst system
941058	Title: Development of PD-only three way catalyst technology
950074	Title: Mixture preparation and HC emissions of a 4-valve engine during cold starting and warm-up
950075	Title: Model based air fuel ratio control for reducing exhaust gas emissions
950149	Title: Global trends in diesel particulate control—A 1995 update
950150	Title: Systems design for ceramic LFA substrates for diesel/natural gas flow-through catalysts
950151	Title: Thermal loading in SiC particle filters
950153	Title: Fiber wound electrically regenerable diesel particulate filter cartridge for small diesel engines
950154	Title: Advanced catalyst studies of diesel NOxreduction for on- highway trucks
950155	Title: Performance of diesel oxidation catalysts for European bus applications
950158	Title: NO _x from lean-burn engines—On its lower sensitivity to leaning than NO
950159	Title: Effect of engine operating parameters on hydrocarbon oxidation in the exhaust port and runner of a spark-ignited engine
950160	Title: Modelling the transit time of a fast response flame ionization detector during in-cylinder sampling
950161	Title: In-situ phase-shift measurement of the time-resolved UBHC emissions
950163	Title: Compression ratio and coolant temperature effects on HC emissions from a spark-ignition engine
950213	Title: NO _x formation in diesel engines for various fuels and intake gases
950214	Title: Correlation of injection rate shapes with D.I. diesel exhaust emissions
950215	Title: Analysis of NO formation characteristics and control concepts in diesel engines from NO reaction-kinetic considerations
950218	Title: Measurement delays and modal analysis for a heavy duty transportable emissions testing laboratory

950219	Title: A comparison of fourier transform infrared spectroscopy with traditional analyzers for enhanced inspection and maintenance testing
950220	Title: The measurement of exhaust emissions from oxygenated fuel blends by fourier transform infrared spectroscopy
950221	Title: Effects of a wide range of drive cycles on the emissions from vehicles of three levels of technology
950223	Title: Characterization and signal interference of an NDIR automotive emission analyzer used for dynamic measurement
950236	Title: Real time measurement of volatile and solid exhaust particles using a catalytic stripper
950250	Title: Effects of cetane number, aromatics, and oxygenates on emissions from a 1994 heavy-duty diesel engine with exhaust catalyst
950251	Title: Effects of cetane number of emissions from a prototype 1998 heavy-duty diesel engine
950252	Title: The effect of modern additive technology on diesel fuel performance
950254	Title: High temperature ultra stable close-coupled catalysts
950255	Title: Trimetallic three-way catalysts
950256	Title: Excellent oxygen storage capacity of Perovskite-Pd three-way catalysts
950257	Title: Development of three-way catalyst using only Pd as activator
950258	Title: Impact of Pt-Rh and Pd-Rh interactions on performance of bimetal catalysts
950259	Title: The use of palladium in advanced catalysts
950372	Title: Substrate selection for a diesel catalyst
950373	Title: Particle size distribution downstream traps of different design
950374	Title: Nitrogen oxides reactions in diesel oxidation catalyst
950394	Title: Vehicle emissions results—CleanFleet alternative fuels project
950400	Title: Emissions characteristics of soy methyl ester fuels in an IDI compression ignition engine
950404	Title: Durability of extruded electrically heated catalysts
950405	Title: Emissions performance of extruded electrically heated catalysts in several vehicle applications
950407	Title: Advances in durability and performance of ceramic preconverter systems
950408	Title: Low light-off catalyst technology and its low emission vehicle application
950409	Title: Reducing cold-start emissions by catalytic converter thermal management
950410	Title: Cold start hydrocarbon emissions control
950411	Title: Development of an effective air-injection system with heated air for LEV/ULEV
950468	Title: Exhaust emissions and combustion stability in a bi-fuel spark ignition engine
950476	Title: Infrared method to visualize the benefit of improved transient control on catalyst temperature
950477	Title: Fast gas concentration measurements for model validation of catalytic converters
950480	Title: The effect of engine misfire on exhaust emission levels in spark ignition engines

950513	Title: Hydrocarbons speciation of automotive emissions using high- speed gas chromatography
950608	Title: Three-dimensional modeling of soot and NO in a direct- injection diesel engine
950610	Title: Relation between NOx formation in diesel exhaust and CN band spectra in diesel combustion flames
950612	Title: Prechamber for lean burn for low NOx
950622	Title: High durability of metal support for automotive catalyst
950684	Title: Improving NOx and fuel economy for mixture injected SI engine with EGR
950733	Title: Naval diesel engine duty cycle development
950734	Title: Low emission commercial marine engine development for the Santa Barbara County Air Pollution Control District
950736	Title: Reducing diesel particulate and NOx emissions via filtration and particle-free exhaust gas recirculation
950739	Title: Development of porous metal for diesel particulate filter
950740	Title: An experimental study of fuel composition and combustion chamber deposit effects on emissions from a spark ignition engine
950745	Title: A fleet test of two additive technologies comparing their effects on tailpipe emissions
950746	Title: Development of lean burn catalyst
950747	Title: Abatement of NOx from diesel engines: status and technical challenges
950748	Title: Development and evaluation of catalysts to remove NOx from diesel engine exhaust gas
950749	Title: Performance of zeolite-based diesel catalysts
950750	Title: High performance diesel catalysts for Europe beyond 1996
950751	Title: Performance demonstration of a precious metal lean NOx catalysts in native diesel exhaust
950777	Title: Investigation into the vehicle exhaust emissions of high percentage ethanol blends
950778	Title: The effect of gasoline reformulation and sulfur reduction on exhaust emissions from post-1983 but pre-1990 vehicles
950780	Title: CRC speciated hydrocarbon emissions analysis Round Robin test program
950781	Title: Variability in hydrocarbon speciation measurements at low emission (ULEV) levels
950782	Title: Reformulated gasoline effects on exhaust emissions: Phase III; investigation on the effects of sulfur, olefins, volatility, and aromatics and the interactions between olefins and volatility or sulfur
950783	Title: Sensitivity analysis of NOx and NMHC emission responses to fuel modifications
950784	Title: An experimental study of the flow structure inside the catalytic converter of a gasoline engine
950785	Title: One-dimensional fluid-dynamic model for catalytic converters in automotive engines
950786	Title: Dynamic flow study in a catalytic converter using laser doppler velocimetry and high speed flow visualization

950787	Title: High temperature compressive strength of extruded cordierite ceramic substrates
950788	Title: Flow improved efficiency by new cell structures in metallic substrates
950789	Title: Design criteria for metallic substrates for catalytic converters
950807	Title: Effect of engine design/control parameters and emission control systems on specific reactivity of S.I. engine exhaust gases
950809	Title: Development of new concept three-way catalyst for automotive lean-burn engines
950812	Title: Observations concerning current motor vehicle emissions
950926	Title: Driving cycles for emission measurements under European conditions
950928	Title: Influence of instantaneous speed and acceleration on hot passenger car emissions and fuel consumption
950929	Title: Exhaust emissions in cold ambient conditions: considerations for a European test procedure
950930	Title: The influence of fuel management on unburnt hydrocarbon emissions during the ECE 15 and US FTP drive cycles
950931	Title: Representativity of exhaust pollutant concentrations for measuring pollutant emissions from passenger cars
950932	Title: Speciated hydrocarbon conversion on a fresh Pd/Rh three-way catalyst
950933	Title: The effect of ambient temperature on the emissions of some nitrogen compounds: a comparative study on low-, medium- and high-mileage three-way catalyst vehicles
950934	Title: Computer aided assessment of catalyst ageing cycles
951007	Title: Real world hot soak evaporative emissions—A pilot study
951016	Title: Use of the West Virginia University truck test cycle to evaluate emissions from Class 8 trucks
951046	Title: Can government and industry work together to develop technology: A case study of the partnership for a new generation of vehicles (PNGV)
951053	Title: Time-resolved measurement of individual aromatic hydrocarbons in automotive exhaust at transient engine operation
951072	Title: The system development of electrically heated catalyst (EHC) for the LEV and EU-III legislation
960031	Title: Time-resolved nature of exhaust gas emissions and piston wall temperature under transient operation in a small diesel engine
960061	Title: Methane and nitrous oxide (N ₂ O) emission characteristics from automobiles
960062	Title: Emission system upgrades for older vehicles
960063	Title: Dynamic monitoring of differentiated hydrocarbons in direct engine exhaust: a versatile tool in engine development
960064	Title: Off-cycle exhaust emissions from modern passenger cars with properly functioning emissions controls

960067	Title: Emissions from modern passenger cars with malfunctioning emissions controls
960068	Title: Improved control of EGR during speed/load transients
960077	Title: An integrated engine cycle simulation model with species tracking in piping system
960128	Title: Diesel particulate trap protection against uncontrolled regeneration via selective flow modulation
960129	Title: A new closing method for wall flow diesel particulate filters
960130	Title: Development of a full-flow burner regeneration type diesel particulate filter using SiC honeycomb
960131	Title: The effect of fuel and engine design on diesel exhaust particle size distributions
960133	Title: Advanced studies on diesel aftertreatment catalysts for passenger cars
960134	Title: Urban driving cycle test results of retrofitted diesel oxidation catalysts on heavy-duty vehicles
960135	Title: Regeneration of DPF at low temperatures with the use of a cerium-based fuel additive
960136	Title: A study of the regeneration process in diesel particulate traps using a copper fuel additive
960137	Title: Alumina catalysts for reduction of NOx from methanol-fueled diesel engine
960138	Title: Passive regeneration of catalyst-coated knitted-fiber diesel particulate traps
960235	Title: Catalytic aftertreatment of vehicle exhausts from two-stroke motorcycles
960236	Title: Catalyzer small-scale field test in Hungary
960239	Title: Effective parameters on the catalytic reaction of NGV catalytic converter
960248	Title: Measurement procedures for polycyclic aromatic hydrocarbons in undiluted diesel exhaust gases
960249	Title: White smoke emissions under cold starting of diesel engines
960251	Title: Transient particulate emissions from diesel buses during the central business district cycle
960252	Title: Description of an on-line method for measuring the ratio of soot to organics in diesel exhaust particulates
960253	Title: An investigation of the effect of differing filter face velocities on particulate mass weight from heavy-duty diesel engines
960261	Title: Close-coupled catalytic converters for compliance with LEV/ULEV and EGIII legislation—Influence of support material, cell density and mass on emission results
960262	Title: Emission performance of ceramic preconverters evaluated by FTP and euro stage III emission test cycle
960271	Title: Dynamic control of the coolant temperature for a reduction of fuel consumption and hydrocarbon emission
960316	Title: Six-mode cycle evaluation of the effect of EGR and multiple injections on particulate and NOx emissions from a D.I. diesel engine
960318	Title: Effects of lubrication system parameters on diesel particulate emission characteristics
960319	Title: About relationship between the oil consumption and the toxic compounds emission from IC engines

960320	Title: Thermophoretic effects on soot distribution in a direct-injection diesel engine
960322	Title: Speciation of hydrocarbon emissions from a medium-duty diesel engine
960339	Title: Electrically heated catalyst for future USA and European legislation
960340	Title: An extruded electrically-heated catalyst: from design concept through proven-durability
960341	Title: EHC design options and performance
960342	Title: Study on conformity technology with ULEV using EHC system
960343	Title: By-pass hydrocarbon adsorber system for ULEV
960344	Title: Dielectric heating catalytic converter system for reducing cold-start emissions
960345	Title: Durability of advanced electrically heated catalyst design
960346	Title: Hydrogen-added afterburner system
960347	Title: Hydrocarbon adsorber system for cold-start emissions
960348	Title: In-line hydrocarbon adsorber system for ULEV
960349	Title: Electrically heated catalytic converter (EHC) in the BMW ALPINA B12 5.7 Switch-Tronic
960350	Title: Optimization of the electrically heated catalyst for emission purification efficiency
960361	Title: Development of a durable emissions control system for an automotive two-stroke engine
960411	Title: Control of automotive dynamometer emissions with catalytic oxidizers
960464	Title: IR-Laser initiated combustion—A step toward complete combustion
960469	Title: Soot combustion during regeneration of filter ceramic traps for diesel engines
960470	Title: Development of PM trap system for urban buses
960471	Title: Robust packaging system for diesel/natural gas oxidation catalysts
960472	Title: Trapping efficiency depending on particulate size
960473	Title: An optimization study on the control of NOx and particulate emissions from diesel engines
960555	Title: Butting monoliths in catalytic converters
960556	Title: Aluminum clad ferritic stainless steel foil for metallic catalytic converter substrate applications
960557	Title: The development of an automotive catalyst using a thin wall (4 mil/400 cpsi) substrate
960559	Title: New tests for characterizing the durability of a ceramic catalytic converter package
960560	Title: Advanced metallic three-way catalysts with optimized washcoat performance
960561	Title: Optimization of the packing design for manifold catalytic converter application
960563	Title: Quantification of ceramic preconverter hot vibration durability
960565	Title: Thermal reliability and performance improvement of close-coupled catalytic converter
960633	Title: Mechanism of soot and NOx emission reduction using multiple-injection in a diesel engine
960742	Title: Improving the exhaust emissions of two-stroke engines by applying the activated radical combustion

960743	Title: Assessment of alternative strategies for reducing hydrocarbon and carbon monoxide emissions from small two-stroke engines
960744	Title: Exhaust flow separation in a two stroke engine
960746	Title: Analysis and measurements of cyclic variations and emissions of single cylinder two stroke engines at low loads
960793	Title: Impact of revised FTP on emissions and new modifications required for catalysts
960794	Title: Improvement in oxygen storage capacity
960795	Title: Durability of three-way catalysts with precious metals loaded on different location
960796	Title: The development of a close coupled plus underfloor catalyst for a ULEV application
960797	Title: Study of divided converter catalytic system satisfying quick warm up and high heat resistance
960798	Title: Advanced TWC technologies using CeO ₂ /ZrO ₂ solid solutions
960799	Title: Catalyst improvements to meet European stage II and ULEV emissions criteria
960800	Title: New approach for ambient pollution reduction—PremAir™ Catalyst Systems
960801	Title: Reactions over a double layer tri-metal three-way catalyst
960802	Title: Reduuction of exhasut gas emissions by using Pd-based three-way catalysts
960832	Title: In-cylinder soot and NO _x concentration measurements in D.I. diesel engine fed by fuels of varying quality
960834	Title: Simultaneous 2-D imaging of OH radicals and soot in a diesel flame by laser sheet techniques
960839	Title: Emission characteristics of a dual-injector diesel fuel injection system
960840	Title: The effect of exhaust gas recirculation on combustion and NO _x emissions in a high-speed direct-injection diesel engine
960841	Title: The effect of exhaust gas recirculation on soot formation in a high-speed direct-injection diesel engine
960842	Title: An elegant solution for vehicular diesel's emission and economy—Hybrid EGR system
960843	Title: Improving NO _x versus BSFC with EUI-200 using EGR and pilot injection for heavy-duty diesel engines
960849	Title: A study on efficiency and emission enhancements in a 4-stroke natural gas lean burn engine
960857	Title: Exhaust emissions of diesel, gasoline and natural gas fuelled vehicles
960858	Title: Untreated exhaust emissions of a hydrogen-enriched CNG production engine conversion
960910	Title: The effect of aerodynamic drag changes on the exhaust emissions of a typical large car
961002	Title: Development of a time and space resolved sampling probe diagnostic for engine exhaust hydrocarbons
961004	Title: Measurement of aromatic compounds in automobile exhaust gases with membrane inlet mass spectrometry equipped with an on-line-probe and an automatic Tenax-Sampler
961020	Title: Exhaust emission based air-fuel ratio model (I): Literature reviews and modelling

961021	Title: Exhaust emission based air-fuel ratio model (II): Divergence analysis and emission estimations
961038	Title: Indirect adaptive control of a three-way catalyst
970040	Title: Fuel injection strategies to minimize cold-start HC emissions
970179	Title: Global trends in diesel emissions control—A 1997 update
970181	Title: Fuel additive effects on particulate emissions from a diesel engine
970182	Title: Experience with a new particulate trap technology in Europe
970184	Title: The effect of size and positioning of ceramic DPFs on the regeneration induced by a cerium-based additive
970185	Title: Transient performance of a urea deNO _x catalyst for low emissions heavy-duty diesel engine
970186	Title: Urban driving cycle results of retrofitted diesel oxidation catalysts on heavy-duty vehicles: one year later
970187	Title: A study of the regeneration characteristics of silicon carbide and cordierite diesel particulate filters using a copper fuel additive
970188	Title: A theoretical and experimental study on the regeneration process in a silicon carbide particulate trap using a copper fuel additive
970189	Title: Achieving the 2004 heavy-duty diesel emissions using electronic EGR and a cerium-based fuel-borne catalyst
970263	Title: Practical experience with the EHC system in the BMW ALPINA B12
970264	Title: Reduced cold-start emissions using rapid exhaust port oxidation (REPO) in a spark-ignition engine
970265	Title: Advanced three-way converter system for high-temperature exhaust aftertreatment
970266	Title: In-line hydrocarbon (HC) adsorber system for cold-start emissions
970267	Title: Evaluation of in-line adsorber technology
970314	Title: Study of white smoke reducing techniques of DI diesel engine
970319	Title: CO ₂ mixed fuel combustion system for reduction of NO and soot emission in diesel engine
970321	Title: Marine diesel NO _x reduction technique—A New Sulzer Diesel Ltd. approach
970347	Title: Fuel injection rate shaping and its effect on exhaust emissions in a direct-injection diesel engine using a spool acceleration type injection system
970365	Title: Exhaust emissions sensitivities with direct injection on a 50cc scooter
970460	Title: Zirconium oxide products in automotive systems
970462	Title: Reactor evaluation of ceria-zirconia as an oxygen storage material for automotive catalysts
970463	Title: (Ce, Zr)O ₂ solid solutions for three-way catalysts
970464	Title: Oxygen storage capacity on cerium oxide—Precious metal system
970465	Title: The role of zirconium in novel three-way catalysts
970466	Title: Development of Zr containing TWC catalysts

970468	Title: A novel palladium catalyst for use in vehicle emissions control
970469	Title: Zirconia-based ceramic, in-cylinder coatings and aftertreatment oxidation catalysts for reduction of emissions from heavy-duty diesel engines
970506	Title: The effects of compression ratio on nitric oxide and hydrocarbon emissions from a spark-ignition natural-gas-fueled engine
970514	Title: An algorithm for calculating the air/fuel ratio from exhaust emissions
970635	Title: Multi-zone combustion modeling for the prediction of pollutants emissions and performance of DI diesel engines
970740	Title: Exhaust emission from passenger cars during engine cold start and warm-up
970741	Title: Hydrocarbon trap technology for the reduction of cold start hydrocarbon emissions
970743	Title: Comparison of emissions from natural gas and gasoline fuelled engines—Total hydrocarbon and methane emissions and exhaust gas recirculation effects
970746	Title: Evaluation of NOxstorage catalysts for lean burn gasoline fueled passenger cars
970747	Title: The influence of block heaters on the emissions from gasoline fueled cars with varying emission control technology at low ambient temperatures
970748	Title: In-service smoke and particulate measurements
970749	Title: A software program for carrying out multi-purpose exhaust composition calculations
970750	Title: Cycle-to-cycle transient characteristics of exhaust gas emissions from a diesel engine with different increasing and decreasing load patterns
970752	Title: Numerical modeling of NO reduction over Cu-ZSM-5 under lean conditions
970753	Title: Worldwide trends in heavy-duty diesel engine exhaust emission legislation and compliance technologies
970754	Title: Heavy duty test cycles and in-use compliance testing
970758	Title: Effects of fuel properties on exhaust emissions for diesel engines with and without oxidation catalyst and high pressure injection
970874	Title: NO measurement in diesel spray flame using laser induced fluorescence
970877	Title: Planar measurements of NO in an S.I. engine based on laser induced fluorescence
970891	Title: A new concept for low emission diesel combustion
970900	Title: Heat release and emissions results from a D.I. diesel with special shrouded intake valves
971011	Title: An improved model for spark-ignition engine exhaust hydrocarbons
971012	Title: Pollutant emission potential of the JDC combustion stimulation method for SI engines
971016	Title: Species and time resolved measurements of exhaust hydrocarbons from an SI engine
971017	Title: Particulate characterization of automotive emissions by helium microwave-induced plasma atomic emission spectrometry

971018	Title: Discussion of operating parameters and analysis capability for a Fourier transform infrared emission analyzer
971019	Title: Solid-state sensing techniques for automotive aftermarket emissions analysis
971022	Title: Technologies for reducing cold-start emissions of V6 ULEVs
971023	Title: Development and performance of Microlith™light-off preconverters for LEV/ULEV
971028	Title: Temperature examinations on a metal catalyst system
971029	Title: Advanced ceramic substrate: catalytic performance improvement by high geometric surface area and low heat capacity
971031	Title: Development of extruded electrically heated catalyst system for ULEV standards
971143	Title: Effects of fuel composition on D.I. diesel engine particulates and study of oxygen-enriched diesel NO formation
980043	Title: Development and benchmarking of leak detection methods for automobile evaporation control systems to meet OBDII emission requirements
980044	Title: Hydrocarbon emissions from a HAJI-equipped ultra-lean-burn SI engine
980046	Title: Utilization of a soft ionization mass spectrometer for ultra-high sensitivity and fast response emission measurement
980047	Title: Modal measurement of raw exhaust volume and mass emissions by SESAM
980048	Title: Real-time analysis of particulate matter by flame ionization detection
980049	Title: Transient fuel system thermal and emissions analysis
980050	Title: Differential flow analysis for gas emission measurement
980130	Title: Prediction of DI diesel engine emissions by multidimensional simulation
980148	Title: Laser spectroscopic investigation of flow fields and NO formation in a realistic SI engine
980153	Title: Combustion and emissions characteristics of Orbital's combustion process applied to multi-cylinder automotive direct-injected, 4-stroke engines
980173	Title: Emission reduction technologies applied to high-speed, direct-injection diesel engine
980174	Title: NOx control in heavy-duty diesel engines—What is the limit?
980175	Title: The effect of engine tune on the emissions performance of a modern high-speed, direct-injection diesel engine
980176	Title: The impact of emissions and fuel economy requirements on fuel injection system and noise of HD diesel engines
980178	Title: Variable air composition with polymer membrane—A new low emissions tool
980185	Title: The effects on diesel combustion and emissions of reducing inlet charge mass due to thermal throttling with hot EGR
980186	Title: Global trends in diesel emissions control—A 1998 update

980188	Title: Considerations on the temperature distribution and gradient in the filter during regeneration in burner-type diesel particulate trap system (II)
980189	Title: Effect of a continuously regenerating diesel particulate filter on nonregulated emissions and particle size distribution
980190	Title: Cooled EGR—A key technology for future efficient HD diesels
980192	Title: The efficiency of an oxidation catalyst fitted to a modern high-speed diesel engine running under steady-state conditions
980193	Title: The effect of an oxidation catalyst on cold-start diesel emissions in the first 120 seconds of running
980194	Title: Novel catalytic converter for natural gas-powered diesel engines
980195	Title: Development of catalyst for diesel engine
980400	Title: Real-time, in-cylinder and exhaust NO measurements in a production SI engine
980401	Title: Cold-start emissions investigation at different ambient temperature conditions
980403	Title: Comparison of vehicle running loss evaporative emissions using point source and enclosure measurement techniques
980405	Title: Dynamometer load reduction for low-power vehicles driving the US06 Supplemental Federal Test Procedure
980407	Title: Chassis test cycle development for heavy-duty engine emissions test compliance
980408	Title: A method for comparing transient NO _x emissions with weighted steady-state test results
980409	Title: Optimization of a third-generation TEOM [®] monitor for measuring diesel particulate in real time
980410	Title: Real-time measurements of diesel particle size distribution with an electrical low-pressure impactor
980411	Title: Diesel engine smoke measurements in the rapid acceleration test
980413	Title: Future trends in automotive emission control
980414	Title: The conical catalytic converter and its potential for future close-coupled converter concepts
980415	Title: Development of the high-performance L4 engine ULEV system
980416	Title: An improved underfloor catalyst for 5-cylinder turbocharged engines
980418	Title: The development of BMW catalyst concepts for LEV/ULEV and EU III/IV legislations—6-cylinder engine with close-coupled main catalyst
980419	Title: Airless in-line adsorber system for reducing cold-start HC emissions
980421	Title: Ambient temperature light-off aftertreatment system for meeting ULEV emission standards
980423	Title: In-line hydrocarbon adsorber for cold-start emissions—Part II
980503	Title: Combustion improvement for reducing exhaust emissions in IDI diesel engine
980505	Title: Combustion and emission characteristics of multiple-stage diesel combustion

980506	Title: Smokeless, low NOx, high thermal efficiency, and low noise diesel combustion with oxygenated agents as main fuel
980507	Title: Fuel composition effects on SOF and PAH exhaust emissions from DI diesel engines
980509	Title: Combustion control method of homogeneous charge diesel engines
980525	Title: Diesel exhaust particle size: measurement issues and trends
980528	Title: Characterization of exhaust particulate emissions from a spark-ignition engine
980530	Title: Effects of fuel properties and oxidation catalyst on exhaust emissions for heavy-duty diesel engines and diesel passenger cars
980531	Title: Methanol lean burn in an auto-ignition Di engine
980537	Title: On the effectiveness and economy of operation of ART-EGR systems that reduce diesel emissions
980538	Title: Heavy-duty diesel engines emissions reduction through filtering and catalytic combustion
980539	Title: VERT: diesel nano-particulate emissions: properties and reduction strategies
980543	Title: The behavior of metal DPFs at low temperatures in conjunction with a cerium-based additive
980544	Title: Effect of DPF on particulate size distribution using an electrical low pressure impactor
980545	Title: A 2-D computational model describing the flow and filtration characteristics of a ceramic diesel particulate trap
980546	Title: A 2-D computational model describing the heat transfer, reaction kinetics and regeneration characteristics of a ceramic diesel particulate trap
980547	Title: Electrochemical diesel particulate filter
980664	Title: Influence of support materials on durability of palladium in three-way catalyst
980666	Title: Development of single-coated Pd/Rh three-way catalyst for CCC application
980671	Title: Improving cold-start functioning of catalytic converters by using phase-change materials
980672	Title: Laboratory evaluation of ultra-short metal monolith catalyst
980674	Title: Engine-out and tail-pipe emission reduction technologies of V-6 LEVs
980675	Title: Characterization of OBD-II features of advanced Pd-Rh catalysts and relation to catalyst composition and design
980676	Title: Deterioration effect of three-way catalyst on nitrous oxide emission
980677	Title: Use of catalytic monoliths for on-road ozone destruction
980678	Title: Improving the calculation of exhaust gas dilution during constant volume sampling
980679	Title: Study on roadway NMHC concentrations around clean air vehicles
980680	Title: Emissions testing of a hybrid fuel cell bus
980682	Title: Influence of roof-rack, trailer, etc., on automobile fuel consumption and exhaust emissions, measured on-the-road

980684	Title: Emission of polluting substances and fuel consumption by automotive vehicles and mopeds in Poland, examined for "approval of a type"
980788	Title: Fast response NO/HC measurements in the cylinder and exhaust port of a DI diesel engine
980812	Title: Study of the in-line pump system for diesel engines to meet future emission regulations
980880	Title: Direct high dynamic flow measurement in the exhaust of combustion engines
980881	Title: A numerical approach to investigate transient thermal and conversion characteristics of automotive catalytic converter
980930	Title: Progress in sulfur poisoning resistance of lean NOx catalysts
980931	Title: Compatibility of NOx and PM abatement in diesel Catalysts
980932	Title: Highly durable NOx reduction system and catalysts for NOx storage reduction system
980933	Title: Recent progress in NOx trap technology
980934	Title: Correlation between dynamometer- and vehicle-aged catalysts for automotive lean-burn applications
980935	Title: NOxreduction in SI engine exhaust using selective catalytic reduction technique
980936	Title: Effect of flow distribution on emissions performance of catalytic converters
980937	Title: Development of the ultra-low heat capacity and highly insulating (ULOC) exhaust manifold for ULEV
980938	Title: Emission control technologies for 50 and 125 cc motorcycles in Taiwan
980939	Title: Using on-board fuel reforming by partial oxidation to improve SI engine cold-start performance and emissions
SAE International Fall Fuels and Lubricants Meeting and Exhibition	
1999-01-3472	Title: Computer simulation of the FTP performance of 3-way catalysts
1999-01-3473	Title: An investigation of catalytic converter performances during cold starts
1999-01-3474	Title: Theoretical and experimental study of mass transfer effects in automotive catalysts
1999-01-3476	Title: A simplified approach to modeling exhaust system emissions: SIMTWC
1999-01-3478	Title: Method for measuring NOx concentrations in small quantities of sample gas
1999-01-3499	Title: Optimising the aftertreatment configuration for NOx regeneration on a lean-NOx trap
1999-01-3503	Title: NOxtrap control by physically based model
1999-01-3504	Title: Sulphur poisoning and regeneration of NOxtrap catalyst for direct-injected gasoline engines
1999-01-3507	Title: SI engine operation with retarded ignition: Part 2—HC emissions and oxidation
1999-01-3510	Title: Spectroscopic investigation of the combustion process in an LPG lean-burn SI engine
1999-01-3512	Title: Hydrocarbon emissions from a gas-fueled SI engine under lean burn conditions
1999-01-3529	Title: Particulate matter emission during start-up and transient operation of a spark-ignition engine
1999-01-3530	Title: Measurement of the number and size distribution of particles emitted from a gasoline direct-injection vehicle

1999-01-3538	Title: An experimental investigation into the characteristics of a fast-response flame ionization detector for in-cylinder sampling
1999-01-3544	Title: Experiments into the flame kernel development in high swirl production spark ignition engines
1999-01-3545	Title: In-cylinder NO-LIF imaging in a realistic GDI engine using KrF excimer laser excitation
1999-01-3577	Title: Instantaneous in-cylinder hydrocarbon concentration measurement during the post-flame period in an SI engine
1999-01-3580	Title: The effects of head gasket geometry on engine-out HC emissions from S.I. engines
1999-01-3621	Title: Advancements in converter durability to enable close-mounted converters for stringent emissions regulations
1999-01-3623	Title: Modeling of an automotive exhaust gas converter at low temperatures aiming at control application
1999-01-3626	Title: A Study of the flow performance of ceramic contoured substrates for automotive exhaust catalyst systems
1999-01-3627	Title: Development of advanced platinum-rhodium catalyst for future emissions requirements
1999-01-3628	Title: Single seam stuffed converter design for thinwall substrates
1999-01-3629	Title: Emission reduction technologies for turbocharged engines
1999-01-3630	Title: Evaluation of high cell density substrates for advanced catalytic converter emissions control
1999-01-3631	Title: Performance parameters for advanced ceramic catalyst supports
1999-01-3632	Title: Plasma-enhanced selective catalytic reduction: Kinetics of NO _x -removal and byproduct formation
1999-01-3636	Title: Reduction of exhaust emission from a stoichiometric engine using non-thermal plasma generated by a corona discharge device
1999-01-3638	Title: Exhaust emission reduction of combustion engines by barrier discharge—A new reactor/generator system
1999-01-3640	Title: NO _x destruction behavior of select materials when combined with a non-thermal plasma
1999-01-3644	Title: Influence of mixture preparation on combustion and emissions inside an SI engine by means of visualization, PIV and IR thermography during cold operating conditions
1999-01-3653	Title: Particulate matter measurements in a diesel engine exhaust by laser-induced incandescence and the standard gravimetric procedure
1999-01-3661	Title: Further experiments on the effects of in-cylinder wall wetting on HC emissions from direct-injection gasoline engines
1999-01-3663	Title: Emissions response of a European specification direct- injection gasoline vehicle to a fuels matrix incorporating independent variations in both compositional and distillation parameters
1999-01-3675	Title: Effects of catalyst formulation on vehicle emissions with respect to gasoline fuel sulfur level
1999-01-3676	Title: Investigation of sulfur sensitivity and reversibility in late-model vehicles
1999-01-3677	Title: PremAir®catalyst system—A new approach to cleaning the air

1999-01-3678	Title: Experimental and modeling evaluations of a vacuum-insulated catalytic converter
1999-01-3683	Title: Effect of propene on the remediation of NO _x from engine exhausts
1999-01-3685	Title: NO _x reactivity studies of prototype catalysts for a plasma-catalyst aftertreatment system
1999-01-3686	Title: Experimental and theoretical investigations of removal of NO _x from diesel-type engine exhaust using dielectric barrier discharges
1999-01-3687	Title: Sulfur tolerance of selective partial oxidation of NO to NO ₂ in a plasma
2000-01-2815	Title: Class 8 trucks operating on ultra-low sulfur diesel with particulate filter systems: Regulated emissions
2000-01-2817	Title: Diesel emission control—Last 12 months in review
2000-01-2818	Title: Effect on emissions of multiple driving test schedules performed on two heavy-duty vehicles
2000-01-2844	Title: A new high-temperature ceramic material for diesel particulate filter applications
2000-01-2846	Title: Development and experimental study of a new diesel exhaust particulate trap system
2000-01-2850	Title: DETR/SMMT/CONCAWE Particle Research Program: Sampling and measurement experiences
2000-01-2851	Title: DETR/SMMT/ CONCAWE Particle Research Program: Heavy-duty results
2000-01-2854	Title: The West Virginia University heavy duty vehicle emissions database as a resource for inventory and comparative studies
2000-01-2864	Title: Application of a new soot sensor for exhaust emission control based on Time- Resolved Laser-Induced Incandescence (TIRE-LII)
2000-01-2865	Title: Fiber optic sensor for time-resolved measurements of exhaust gas recirculation in engines
2000-01-2913	Title: A new approach to meeting future European emissions standards with the orbital direct injection gasoline engine
2000-01-2956	Title: Optimization and comparison of two methods for determination of diesel particulate emissions
2000-01-2960	Title: Driving behavior and emission results for a small size gasoline car in urban operation
2001-01-3489	Title: The effect of liquid fuel on the cylinder liner on engine-out hydrocarbon emissions in SI engines
2001-01-3497	Title: Influence of EGR on combustion and exhaust emissions of heavy-duty DI diesel engines equipped with common-rail injection systems
2001-01-3500	Title: Quantitative laser diagnostic studies of the NO distribution in a DI diesel engine with PLN and CR injection systems
2001-01-3508	Title: Non-thermal plasma assisted catalytic NO _x remediation from a lean model exhaust
2001-01-3530	Title: Investigation into testing and controlling emissions of hydrogen sulfide from gasoline vehicles
2001-01-3540	Title: Transient SI engine emissions measurements on the FTP75 drive cycle with a fast response CO instrument
2001-01-3577	Title: DETR/SMMT/CONCAWE Particulate Research Program: Light-duty results

2001-01-3581	Title: Transient particulate matter measurements from the exhaust of a direct injection spark ignition automobile
2001-01-3616	Title: Particles and emissions from a diesel engine equipped with a humid air motor system
2001-01-3618	Title: Morphological analysis of particulate matter emitted by a diesel engine using digital image analysis algorithms and scanning mobility particle sizer
2001-01-3619	Title: High-efficiency NO _x and PM exhaust emission control for heavy-duty on-highway diesel engines—Part two
2001-01-3637	Title: Development of relevant work-cycles and emission factors for off-road machines
2001-01-3638	Title: Emission and fuel consumption measurements for transit buses running on gaseous fuels using a mobile measurement system
2001-01-3644	Title: Development of the "RAVEM" ride-along vehicle emission measurement system for gaseous and particulate emissions
2001-01-3652	Title: The Society of Automotive Engineers Clean Snowmobile Challenge 2001—Summary and results
780950	Title: A review of automotive emission control programs around the world
801359	Title: Future trends in the control of emissions from motor vehicles
811232	Title: The California vehicle emission control program—past, present and future
811234	Title: Effects of injection timing and exhaust gas recirculation on emissions from a D.I. diesel engine
831694	Title: Lean combustion in spark-ignited internal combustion engines—a review
831713	Title: Trap-oxidizer technology for light-duty diesel vehicles: status, prospects, and current issues
852095	Title: Concept of catalytic exhaust emission control for Europe
861587	Title: Car mix in Italy and applicable emission control systems
872131	Title: High-temperature substrates and washcoats for auto exhaust emission control
872164	Title: Trends in emissions control technologies for 1983-1987 model-year California-certified light-duty vehicles
881590	Title: Impact of catalyst support design parameters on automotive emissions
881593	Title: Description of a motor vehicle evaporative emissions model—EVAP 2.0
881594	Title: Relative importance of 22 parameters to evaporative emissions—A sensitivity analysis of EVAP 2.0
892041	Title: Impact of catalyst support design parameters on FTP emissions
892042	Title: Development of beaded three-way catalysts with reduced H ₂ S emissions
892046	Title: Simultaneous reduction of NO _x and particulate emissions from diesel engine exhaust
902074	Title: The composition of gasoline engine hydrocarbon emissions—An evaluation of catalyst and fuel effects
902095	Title: Comparison of gasoline and methanol vehicle emissions using VOC reactivity
902111	Title: Reduction of diesel exhaust emissions by using oxidation catalysts

902115	Title: Air injection to an electrically-heated catalyst for reducing cold-start benzene emissions from gasoline vehicles
902116	Title: Unregulated motor vehicle exhaust gas components
902165	Title: Fast response FID measurements of unburned hydrocarbons in the exhaust port of a firing gasoline engine
902169	Title: A model for hydrocarbon emissions from SI engines
912320	Title: Description of auto/oil air quality improvement research program
912373	Title: Real-time non-fuel background emissions
912374	Title: Effects of prompt EGR on warm-up and steady state fuel consumption and emissions
912385	Title: Vehicle emission performance with an electrically heated converter system
	Title: Particulate emissions from current model vehicles using gasoline with methylcyclopentadienyl manganese tricarbonyl
912436	
922179	Title: Effects of California phase 2 reformulated gasoline specifications on exhaust emission reduction
922180	Title: Effects of exhaust emission control devices and fuel composition on speciated emissions of S.I. engines
922182	Title: Effects of the gasoline composition and emission control systems on exhaust HC emission
922198	Title: The impact of oil formulation on emissions from diesel engines
922237	Title: Study of engine wall layer hydrocarbons with a fast response FID
922244	Title: Evaluation of heat storage technology for quick engine warm-up
922250	Title: Emissions and their control in natural gas fueled engines
922251	Title: An air/fuel algorithm to improve the NO _x conversion of copper- based catalysts
922253	Title: Composition of gasoline vehicle emissions—An analytical speciation program
922259	Title: The impact of intake valve deposits on exhaust emissions
	Title: Diesel fuel property effects on exhaust emissions from a heavy duty diesel engine that meets 1994 emissions requirements
922267	Title: Effects of exhaust charge control valve on combustion and emissions of two-stroke cycle direct-injection S.I. engine
922311	
922317	Title: Development of a practical correlative I/M exhaust emission test
922330	Title: A new generation of diesel oxidation catalysts
922336	Title: Techniques for analyzing thermal deactivation of automotive catalysts
922337	Title: Temperature programmed reduction studies of Al ₂ O ₃ -supported Pt/Rh catalysts
922338	Title: Distribution of warm-up and underfloor catalyst volumes
922340	Title: Effect of header truncation on monolith converter emission-control performance
922376	Title: Speciation of hydrocarbon emissions from European vehicles

922380	Title: Effects of clean fuels (reformulated gasolines, M85, and CNG) on automotive emissions
922385	Title: Economical, efficient and targeted monitoring of emissions legislation—A UK proposed approach
922387	Title: The natural gas vehicle challenge '92: exhaust emission testing and results
922390	Title: Real-time measurement of particulate emissions in a turbocharged DI diesel engine
932659	Title: A study of light-duty vehicle driving behavior: Application to real-world emission inventories
932661	Title: Reliable catalytic particulate trap regeneration by exhaust hydrocarbon enrichment
932666	Title: The effects of catalyst volume and ceria content on the emission performance and oxygen storage capacity of automotive catalysts
932668	Title: The effect of MTBE, DIPE and TAME on vehicle emissions
932669	Title: The effect of gasoline composition on vehicle tailpipe emissions at low ambient temperature
932670	Title: Effects of gasoline components on exhaust hydrocarbon components
932675	Title: Exhaust emissions and field trial results of a new, oxygenated, non-petroleum-based, waste-derived gasoline blending component: 2-Methyltetrahydrofuran
932676	Title: Influence of fuel composition on NMOG-emissions and ozone forming potential
932678	Title: An integrated study of the effects of gasoline composition on exhaust emissions
932679	Title: The influence of gasoline formulation on combustion and emissions in spark-ignition engines
932681	Title: Effects of the gasoline composition on exhaust emissions of regulated and speciated pollutants
932683	Title: The influence of diesel fuel properties on particulate emissions in a catalyst equipped European car
932684	Title: Fuel effects on emissions in various test cycles in advanced passenger car diesel vehicles
932685	Title: The influence of fuel properties on exhaust emissions from advanced Mercedes Benz diesel engines
932696	Title: Simultaneous imaging of fuel and hydroxyl radicals in an in- line four-cylinder SI engine
932704	Title: Reactivity of SI engine exhaust under steady-state and simulated cold-start operating conditions
932705	Title: A feedgas HC emission model for SI engines including partial burn effects
932706	Title: Speciated hydrocarbon emissions of SI engine during cold start and warm-up
932707	Title: The effect of fuel composition and engine deposits on emissions from a spark ignition engine
932708	Title: An overview of hydrocarbon emissions mechanisms in spark- ignition engines
932710	Title: Basic research on combustion chambers for lean burn gas engines
932718	Title: Effect of catalyst systems on characteristics of exhaust hydrocarbon species
932719	Title: Development of diesel oxidation catalysts for heavy duty engines
932720	Title: A base metal oxide catalyst for reduction of diesel particulates
932721	Title: Mathematical modeling of monolith warmup behavior in variable- fuel vehicle exhaust
932722	Title: Combining heated and unheated core functions for improved cold start emissions performance
932726	Title: Effects of fuel properties on mass exhaust emissions during various modes of vehicle operation

932727	Title: Effects of gasoline sulfur level on exhaust mass and speciated emissions: the question of linearity—Auto/oil air quality improvement program
932732	Title: The influence of composition and properties of diesel fuel on particulate emissions from heavy-duty engines
932733	Title: The influence of fuel composition on particulate emissions of DI diesel engines.
932734	Title: The effect of oxygenated fuels on emission from a modern heavy-duty diesel engine
932736	Title: Emission tests of diesel fuel with NOx reduction additives
932737	Title: Diesel fuel additives to meet worldwide performance and emissions requirements
932745	Title: LPG conversion and HC emissions speciation of a light-duty vehicle
932752	Title: Impact on exhaust valve leakage on engine-out hydrocarbons
932760	Title: Fuel effects on emissions from two electrically heated catalyst equipped vehicles
932761	Title: Conversion of various hydrocarbons over supported Pd during simulated cold-start conditions
932762	Title: The catalytical implications of lean burn engines: An analysis of factors required to meet overall emissions requirements
932766	Title: Diesel fuel additives and emission reductions in Southern California
932773	Title: Methanol vehicle emissions round robin test program
932797	Title: An investigation on the simultaneous reduction of particulate and NOx by controlling both the turbulence and the mixture formation in DI diesel engines
932799	Title: Formation process of SOF in the combustion chamber of IDI diesel engines
932801	Title: The effect of methyl-ester of rapeseed oil on combustion and emissions of DI diesel engines
932815	Title: A computational and experimental study of combustion chamber deposit effects on NOx emissions
932819	Title: Transient emissions from two natural gas-fueled heavy-duty engines
932822	Title: Exhaust emissions from dual fuel engines at light load
932826	Title: A study of emissions from CNG and diesel fueled heavy-duty vehicles
932853	Title: Heavy-duty diesel hydrocarbon speciation: key issues and technological challenges
932855	Title: The effect of MMT on the OBD-11 catalyst efficiency monitor
941866	Title: Effect of gasoline composition on exhaust hydrocarbon
941867	Title: The effect of gasoline composition on exhaust emissions from modern BMW vehicles
941868	Title: The effect of gasoline composition on stoichiometry and exhaust emissions
941869	Title: NOx aromatics effects in catalyst-equipped gasoline vehicles
941870	Title: Simultaneous measurements of driveability and emissions at cool ambient temperatures
941901	Title: Correlation of i/m240 and FTP emissions for alternative motor fuels at test vehicles
941905	Title: Ozone precursor emissions from alternatively fueled vehicles

941906	Title: Development of a photochemical chamber system for determining measures of reactivity from exhaust of alternative-fuel vehicles
941946	Title: Chassis test cycles for assessing emissions from heavy duty trucks
941947	Title: A non-intrusive method of measuring pcv blowby constituents
941948	Title: Cycle resolved measurements of diesel particulate by optical techniques
941949	Title: Some problems in the improvement of measurement of transient emissions
941952	Title: Methods to analyze non-regulated emissions from diesel engines
941957	Title: A guide to measurement of flame temperature and soot concentration in diesel engines using two-color method - part 2: implementation
941958	Title: Chemical modeling of hydrocarbons exhaust emissions
941959	Title: The effects of fuel preparation on hydrocarbon emissions of a s.i. engine operating under steady-state conditions
941961	Title: The effect of air/fuel ratio on wide open throttle hc emissions from a spark-ignition engine
941962	Title: The influence of coolant temperature on unburned hydrocarbon emissions from spark ignition engine
941965	Title: Sources of vehicles' emissions in three-day diurnal SHED tests—Auto/oil air quality improvement research program
941966	Title: Auto-oil program phase II heavy hydrocarbon study: analysis of engine-out hydrocarbon emissions data
941969	Title: Emissions with reformulated gasoline and methanol blends in 1992 and 1993 model year vehicles
941970	Title: Auto-oil program phase II heavy hydrocarbon study: fuel species oxidation chemistry and its relationship to the auto-oil data
941972	Title: A comparison of total and speciated hydrocarbon emissions from an engine run on two different california phase 2 reformulated gasolines
941973	Title: Reformulated gasoline effects on exhaust emissions: phase I: initial investigation of oxygenate, volatility, distillation and sulfur effects
941974	Title: Reformulated gasoline effects on exhaust emissions: phase II: continued investigation of the effects of fuel oxygenate content, oxygenate type, volatility, sulfur, olefins and distillation parameters
941994	Title: HC-emissions of si engines - optical investigation of flame propagations in piston top land crevice
941996	Title: Alternative ehc heating patterns and their impact on cold- start emissions performance
941997	Title: A novel approach to studying the effect of various rapid aging cycles on the performance of a high-tech, palladium-only, three- way catalyst
941998	Title: Thermal analysis and testing of a vacuum insulated catalytic converter

941999	Title: Measurements of total and speciated hydrocarbon removal from engine exhaust using activated carbon
942001	Title: IM240 emission test with a 2.2L Corsica TLEV
942002	Title: Oxidation catalyst systems for emission control of lpg-powered forklift trucks
942007	Title: Operating parameter effects on the speciated hydrocarbon emissions from a natural gas fueled engine
942008	Title: Characteristics of formaldehyde formation from catalytic reaction of methane in the presence of no
942020	Title: Diesel fuel quality: engine performance and emissions
942022	Title: Fuel quality effects on particulate matter emissions from light- and heavy-duty diesel engines
942023	Title: Effects of oxygenated fuel and cetane improver on exhaust emission from heavy-duty di diesel engines
942042	Title: Vehicle tail pipe emissions, a comparison of natural gas and petrol injection
942043	Title: Emissions from current diesel vehicles
942044	Title: Quantitative imaging study of the effects of intake air temperate on soot evolution in an optically-accessible D.I. diesel engine
942046	Title: Cylinder-averaged histories of nitrogen oxide in a d.i. diesel with simulated turbocharging
942047	Title: Particulate emission characteristics from an impingement diffusion direct injection diesel engine
942053	Title: Impact of diesel fuel aromatics on particulate, pah and nitro- pah emissions
942055	Title: Three-way catalyst assessment via inlet-outlet temperature measurements: a preliminary report
942056	Title: The effect of manganese oxides on OBD-II catalytic converter monitoring
942057	Title: A review of the dual EGO sensor method for OBD-II catalyst efficiency monitoring
942058	Title: Catalytic converter diagnosis using the catalyst exotherm
942059	Title: S.I. engine misfire detection through the energy model
942066	Title: Diesel oxidation catalyst application strategies with special emphasis on odor reduction
942067	Title: Effect of cerium fuel additive on the emissions characteristics of a heavy-duty diesel engine
942068	Title: Effects of a ceramic particulate trap and copper fuel additive on heavy-duty diesel emissions
942069	Title: Fuel additive supported particulate trap regeneration possibilities by engine management system measures
942070	Title: Simultaneous reduction of diesel particulate and noxusing a plasma
942071	Title: A new test for catalyst oxygen storage which correlates with catalyst performance on the vehicle
942072	Title: Gasoline burner for rapid catalyst light-off
952349	Title: The effects of fuel properties and oxygenates on diesel exhaust emissions
952350	Title: The effect of fuel processes on heavy duty automotive diesel engine emissions

952351	Title: Fuel effects on particulate emissions from D.I. engine—Chemical analysis and characterization of diesel fuel
952353	Title: A method for the speciation of diesel fuel and the semi- volatile hydrocarbon fraction of diesel-fueled vehicle exhaust emissions
952356	Title: Effect of EGR on spray development, combustion and emissions in a 1.9L direct-injection diesel engine
952357	Title: Numerical investigation of soot formation and oxidation under diesel engine conditions
952358	Title: In cylinder augmented mixing through controlled gaseous jet injection
952359	Title: Modeling the use of air-injection for emissions reduction in a direct-injected diesel engine
952360	Title: Effects of injection pressure and nozzle geometry on spray SMD and D.I. diesel emissions
952362	Title: Testing of diesel fuels for their effects on exhaust emissions and engine performance
952363	Title: Engine exhaust emissions evaluation of a Cummins L10E when fueled with a biodiesel blend
952364	Title: Performance and emissions of a dual fueled DI diesel engine
952365	Title: Effect of diesel fuel composition on fork-lift truck emissions
952379	Title: The role of alternative fuels in the new generation of vehicles
952387	Title: Heat transfer and pollutant formation mechanisms in insulated combustion chambers
952390	Title: The influence of fuel parameters and catalyst formulation on catalyst performance over the European R49 heavy duty diesel emissions cycle
952391	Title: Emissions from diesel vehicles with and without lean NOx and oxidation catalysts and particulate traps
952397	Title: Analysis of catalyst durability data from the standpoint of substrate surface area
952398	Title: Reducing catalytic converter pressure loss with enhanced inlet-header diffusion
952399	Title: The influence of the fuel hydrocarbon composition on NO conversion in 3-way catalysts: the NOx/aromatics effect
952400	Title: Measurements of three-way catalyst performance under a stepwise constant idle speed schedule
952401	Title: Experimental evaluation of fuel consumption and emissions in congested urban traffic
952402	Title: Cycle-by-cycle analysis of HC emissions during cold start of gasoline engines
952403	Title: Emissions from light duty vehicles operating on oxygenated fuels at low ambient temperatures: A review of published studies
952413	Title: A multi-dimensional numerical method for predicting warm-up characteristic of automobile catalytic converter systems
952414	Title: Hot vibration durability of ceramic preconverters
952415	Title: Close coupled catalyst system design and ULEV performance after 1050°C aging
952416	Title: Axial characterization of lightoff and underfloor catalytic converters vehicle-aged on a 5.7 L Corvette

952418	Title: EHC impact on extended hot soak periods
952419	Title: In-cylinder catalysts—A novel approach to reduce hydrocarbon emissions from spark-ignition engines
952420	Title: Utilizing intake-air oxygen-enrichment technology to reduce cold-phase emissions
952421	Title: An evaluation of the long term effects of gasoline sulphur level on three-way catalyst activity
952422	Title: Sulfur effects on California OBD-II systems
952423	Title: Calculating the rate of exothermic energy release for catalytic converter efficiency monitoring
952424	Title: Vehicle testing of the OBD-II catalyst monitor on a 2.2 L Corsica TLEV
952428	Title: A phenomenological model for soot formation and oxidation in direct-injection diesel engines
952430	Title: Modeling the effects of valve lift profile on intake flow and emissions behavior in a DI diesel engine
952434	Title: Prediction of transient exhaust soot for a turbocharged diesel engine
952436	Title: Controlling combustion and exhaust emissions in a direct- injection diesel engine dual-fueled with natural gas
952437	Title: Evaluations of current natural gas vehicle technology exhaust emissions at various operating temperatures
	Title: Reactivity comparison of exhaust emissions from heavy-duty engines operating on gasoline, diesel, and alternative fuels
952442	
952444	Title: Deposit control additive effects on CCD formation engine performance and emissions
952447	Title: A fleet evaluation of IVD and CCD: emissions effects and correlation to the BMW 318i and Ford 2.3L IVD tests
	Title: Emissions reduction during warm-up period by incorporating a wall-wetting-fuel model on the fuel injection strategy during engine starting
952478	
952479	Title: The effects of small fuel droplets on cold engine emissions using Ford's Air Forced Injection System
	Title: The effects of fuel atomization, vaporization, and mixing on the cold-start UHC emissions of a contemporary S.I. engine with intake-manifold injection
952482	
952489	Title: Development of test methods for lean-NOx catalyst evaluation
	Title: Evaluation of NOx storage catalysts as an effective system for NOx removal from the exhaust gas of leanburn gasoline engines
952490	
952491	Title: Catalytic abatement of NOxfrom diesel engines: Development of four way catalyst
952493	Title: A urea lean NOxcatalyst system for light duty diesel vehicles
952494	Title: Performance of lean NOxcatalyst applied to a heavy-duty methanol engine exhaust
952495	Title: Design aspects of lean NOxcatalysts for gasoline and diesel engine applications
952496	Title: Use of butane as an alternative fuel—Emissions from a conversion vehicle using various blends
952497	Title: Exhaust emission and energy consumption effects from hydrogen supplementation of natural gas

952499	Title: Lean burn natural gas fueled S.I. engine and exhaust emissions
952500	Title: Engine operating parameter effects on the speciated aldehyde and ketone emissions from a natural gas fuelled engine
952502	Title: Effects of California Phase2 Reformulated Gasoline Regulations on exhaust emissions reduction: Part 2
952504	Title: Effects of gasoline properties (T50, T90, and Sulfur) on exhaust hydrocarbon emissions of current and future vehicles: Modal analysis—The Auto/Oil Air Quality Improvement Research Program
952505	Title: Effects of gasoline properties (T50, T90and Sulfur) on exhaust hydrocarbon emissions of current and future vehicles: Speciation analysis—The Auto/Oil Air Quality Improvement Research Program
952507	Title: Comparison of CNG and gasoline vehicle exhaust emissions: Mass and composition—The Auto/Oil Air Quality Improvement Research Program
952508	Title: Emissions with E85 and gasolines in flexible/variable fuel vehicles—The Auto/Oil Air Quality Improvement Research Program
952509	Title: Gasoline reformulation and vehicle technology effects on emissions—Auto/Oil Air Quality Improvement Research Program
952510	Title: Effects of gasoline properties on emissions of current and future vehicles—T50, T90, and Sulfur—Auto/Oil Air Quality Improvement Research Program
952517	Title: Time-resolved analysis of soot formation and oxidation in a direct-injection diesel engine for different EGR-rates by an extinction method
952518	Title: Simultaneous reductions of smoke and NOx from a DI diesel engine with EGR and dimethyl carbonate
952522	Title: The independent effect of mid-range, back-end volatility and aromatics on emissions from two European gasoline engines
952526	Title: The effect of gasoline RVP on exhaust emissions from current European vehicles
952536	Title: Effect of cylinder head and engine block temperature on HC emissions from a single cylinder spark ignition engine
952537	Title: Effects of piston crevice geometry of the steady-state engine- out hydrocarbons emissions of a S.I. engine
952538	Title: Reduction of hydrocarbon emissions from SI-engines by use of carbon pistons
952542	Title: Fuel composition effects on hydrocarbon emissions from a spark-ignited engine—Is fuel absorption in oil significant?
952559	Title: A comparison of the exhaust emission effects of MTBE with a hydrocarbon surrogate of equivalent volatility
952561	Title: Effects of fuel sulfur level on emissions from transitional low emission vehicles

961897	Title: The attainment of Stage III gasoline European emissions limits utilizing advanced catalyst technology
961898	Title: The impact of passenger car motor oil phosphorus levels on automotive emissions control systems
961899	Title: Advanced substrate design for low-emission vehicles
961900	Title: An engine test to measure the oxygen storage capacity of a catalyst
961901	Title: Relative effects of vehicle technology and fuel formulation on gasoline vehicle exhaust emissions
961902	Title: Relative effects of catalyst and fuel formulation on gasoline vehicle exhaust emissions
961903	Title: A comparison of the emissions from a vehicle in both normal and selected malfunctioning operation modes
961904	Title: Washcoat technology and precious metal loading study targeting the California LEV MDV2 standard
961905	Title: A warm-up-underfloor converter parametric study: effects of catalyst technology on emission performance
961906	Title: New generation of rare earth compounds for automotive catalysis
961907	Title: Optimization of precious metal loadings in automotive catalysts using response surface methodology
961913	Title: Effects of cylinder lubrication oil film on hydrocarbon emissions of SI engine
961926	Title: Time-resolved measurement of cold-start HC concentration using the fast FID
961927	Title: Crank angle resolved HC detection using LIF in the exhausts of small two-stroke engines running at high engine speed
961935	Title: Predicting exhaust emissions in a glow-assisted DI methanol engine using a combustion model combined with full kinetics
961947	Title: Effect of diesel fuel chemistry on regulated emissions at high altitude
961951	Title: The effect of engine variables on hydrocarbon emissions—An investigation with statistical experiment design and fast response FID measurements
961952	Title: Effects of gas flow and mixture properties on engine-out HC emissions
961954	Title: Analyses of exhaust hydrocarbon compositions and ozone forming potential during cold start
961955	Title: Time-resolved, speciated emissions from an SI engine during starting and warm-up
961956	Title: Simulation of exhaust unburned hydrocarbons from a spark-ignition engine, originating from in-cylinder crevices
961966	Title: Development and application of an improved ring pack model for hydrocarbon emissions studies
961967	Title: Modeling of NOx emissions with comparison to exhaust measurements for a gas fuel converted heavy-duty diesel engine
961968	Title: Numerical simulations of emerging piston crevice gases
961970	Title: Effect of reformulated diesel fuel on unregulated emissions of light-duty vehicles

961971	Title: Methane emissions abatement from lean-burn natural gas vehicle exhaust: sulfur's impact on catalyst performance
961972	Title: The influence of fuel formulations on pollutant of a light-duty D.I. diesel engine
961973	Title: Emission effects of shell LOW NOX fuel on a 1990 model year heavy heavy-duty diesel engine
961974	Title: The effect of diesel sulfur content and oxidation catalysts on transient emissions at high altitude from a 1995 Detroit Diesel Series 50 urban bus engine
961976	Title: Rapid deactivation of lean-burn natural gas engine exhaust oxidation catalysts
961977	Title: Mutagenic activity of the soluble organic fraction of exhaust gas particulate from a direct-injection diesel engine
961978	Title: Considerations on the temperature distribution and gradient in the filter during the regeneration process in burner type particulate trap system
961980	Title: Exhaust particulate size distribution: vehicle and fuel influences in light-duty vehicles
961981	Title: U.S. Army investigation of diesel exhaust emissions using JP-8 fuels with varying sulfur content
961988	Title: Gasoline/alcohol blends: exhaust emissions, performance and burn-rate in a multi-valve production engine
961990	Title: Effect of selected LPG fuel components on speciated exhaust emissions
961991	Title: Reactivity and exhaust emissions from an EHC-equipped LPG conversion vehicle operating on butane/propane fuel blends
961996	Title: Intake port fuel transport and emissions: the influence of injector type and fuel composition
962023	Title: A correlation between tailpipe hydrocarbon emissions and driveability
962025	Title: The effect of MTBE in gasolines on regulated exhaust emissions from current European vehicles
962027	Title: Influence of combustion chamber deposits (CCDs) on vehicle performance and tailpipe emissions
962041	Title: Research results on processes and catalyst materials for lean NOx conversion
962042	Title: A study of the catalytic reduction of NOx in diesel exhaust
962043	Title: NOxabatement for diesel engines: reductant effects; engine versus reactor tests
962044	Title: Aftertreatment system for NOxand soot removal. Evaluation of an integrated system
962045	Title: Evaluation of NOx adsorber catalysts systems to reduce emissions of lean running gasoline engines
962046	Title: Comparison of De-NOxand adsorber-catalysts to reduce NOxemissions of lean-burn gasoline engines
962047	Title: New developments in lean NOxcatalysis for gasoline-fueled passenger cars in Europe
962048	Title: SMART catalyst development approach applied to automotive diesel application
962049	Title: Laboratory screening of diesel oxidation catalysts and validation with vehicle testing: the importance of hydrocarbon storage
962050	Title: Development of a lean-NOxcatalyst containing metal-ligand complex impregnated molecular sieves

962051	Title: Experimental and modeling investigations of NOxtrap performance
962057	Title: Three-dimensional modeling of NOxand soot formation in DI-diesel engines using detailed chemistry based on the interactive flamelet approach
962058	Title: Exploring the use of multiple injectors and split injection to reduce DI diesel engine emissions
962060	Title: A PC-based model for predicting NOxreductions in diesel engines
962062	Title: Modeling the effects of split injection scheme on soot and NO emissions of direct-injection diesel engines by a phenomenological combustion model
962068	Title: NYSERDA AFV-FDP M85 flexible fuel vehicle fleet operating experience
962069	Title: NYSERDA AFV-FDP light-duty CNG vehicle fleet operating experience
962070	Title: NYSERDA AFV-FDP light-duty propane vehicle fleet operating experience
962071	Title: NYSERDA AFV-FDP CNG transit bus fleet operating experience
962074	Title: Substrate effects on light-off—Part I thermal energy requirements
962075	Title: Effect of fuel/air ratio variations on catalyst performance and hydrocarbon emissions during cold-start and warm-up
962076	Title: Numerical approach for improving the conversion characteristics of exhaust catalysts under warming-up condition
962077	Title: The significance of high value of ignition retard control on the catalyst lightoff
962079	Title: Development of increased test conditions for close-coupled catalyst applications
962080	Title: Metal converter technology using precoated metal foil
962081	Title: A comparison of extruded powder metal heating elements and metallic foil heating elements
962091	Title: Preconditioning effects on I/M test results using IM240 and ASM procedures
962092	Title: Impact of fuels and ambient conditions on IM240 emissions
962093	Title: Alternative techniques for detecting excessive evaporative emissions during I/M tests
962094	Title: Effects of alcohol composition on gasohol vehicle emissions
962096	Title: Review: utilization of rapeseed oil, rapeseed oil methyl ester of diesel fuel: exhaust gas emissions and estimation of environmental effects
962097	Title: CNG compositions in Texas and the effects of composition on emissions, fuel economy, and driveability of NGVs
962098	Title: The Texas Project: Part 1 - emissions and fuel economy of aftermarket CNG and LPG conversions of light-duty vehicles
962099	Title: The Texas Project: Part 2 - control system characteristics of aftermarket CNG and LNG conversions for light-duty vehicles
962100	Title: The Texas Project: Part 3 - off-cycle emissions of light-duty vehicles operating on CNG, LPG, Federal Phase 1 reformulated gasoline, and/or low sulfur certification gasoline

962113	Title: In-cylinder control of smoke and NOx by high-turbulent two-stage combustion in diesel engines
962116	Title: Effects of fuel properties on exhaust emissions of a single-cylinder DI diesel engine
962118	Title: The pulse flame combustor revisited
972843	Title: A durable in-line hydrocarbon adsorber for reduced cold-start exhaust emissions
972844	Title: Palladium-rhodium catalyst strategies for LEV emission applications
972850	Title: Development of new selective NOx reduction catalyst for gasoline lean-burn engines
972851	Title: Effect of California Phase 2 reformulated gasoline specifications on exhaust emission reduction; Part 3
972852	Title: Mathematical modeling of electrically heated monolith converters: meeting European emissions regulations proposed for 2000 and 2005
972853	Title: OBD-II threshold catalyst aging process
972864	Title: Modeling multiple injection and EGR effects on diesel engine emissions
972886	Title: Effects of combustion chamber deposits, compression ratio and combustion chamber design on power and emissions in spark-ignition engines
972887	Title: Combustion chamber deposit effects on hydrocarbon emissions from a spark-ignition engine
972888	Title: Experimental hydrocarbon consumption rate correlations from a spark-ignition engine
972889	Title: The interaction between nitric oxide and hydrocarbon oxidation chemistry in a spark-ignition engine
972890	Title: Engine-out "dry" particular matter emissions from SI engines
972893	Title: Simulation of HC-emissions from SI engines—A parametric study
972903	Title: Reduction in particulate and black smoke in diesel exhaust emissions
972904	Title: Influence on transient emissions at various injection timings, using cetane improvers, bio-diesel, and low aromatic fuels
972909	Title: Thermally stable Pt/Rh catalysts
972911	Title: Determination of catalyst oxidation and reduction efficiencies from tailpipe emissions measurements
972912	Title: Measurement of NO in lieu of NOx in modal automobile exhaust analysis
972914	Title: Emission rates and elemental composition of particles collected from 1995 Ford vehicles using the urban dynamometer driving schedule, the highway fuel economy test, and the US06 driving cycle
972917	Title: Cycle-resolved emission spectroscopy for IC engines
972939	Title: Analysis of HC in residual gas and combustion efficiency of spark-ignition engine
972958	Title: The influence of thermal barrier coatings on the composition of diesel particulate emissions
972961	Title: Prediction of NOx reduction rate due to port water injection in a DI diesel engine

972962	Title: Stratified diesel fuel-water-diesel fuel injection combined with EGR—The most efficient in-cylinder NOx and PM reduction technology
972968	Title: Effects of cetane-enhancing additives and ignition quality on diesel engine emissions
972969	Title: Investigation of particulate formation of DI diesel engine with direct sampling from combustion chamber
972970	Title: Emissions and efficiency comparison of gasoline and LPG fuels in a 1.4-liter passenger car engine
972971	Title: Hydrocarbon speciation of a lean-burn, spark-ignited engine
972981	Title: The influence of mixture preparation on the HC concentration histories from an S.I. engine running under steady-state conditions
972989	Title: Extension of the equation for calculation of the air-fuel equivalence ratio
972991	Title: The effect on engine performance and NO emissions of a two-stage expansion cycle in a spark-ignition engine
972997	Title: Effects of physical and chemical properties of diesel fuel on NOx emissions of heavy-duty diesel engines
972998	Title: Exhaust emissions of a DI diesel engine fueled with blends of biodiesel and low sulfur diesel fuel
972999	Title: Influence of various diesel traps on particulate size distribution
973000	Title: The effect of hydrocarbon composition on lean NOx catalysis
973001	Title: Effect of upgraded diesel fuels and oxidation catalysts on emission properties, especially PAH and genotoxicity
982429	Title: Analysis of plasma-catalysis for diesel NOx remediation
982431	Title: Pulsed corona plasma technology for the removal of NOx from diesel exhaust
982438	Title: A new method for the investigation of unburned oil emissions in the raw exhaust of SI engines
982456	Title: A long-term field emissions study of natural gas-fueled refuse haulers in New York City
982458	Title: Optimizing CFD predictions of diesel engine combustion and emissions using design of experiments: comparison with engine measurements
982459	Title: Three-dimensional simulation of pollutant formation in a DI diesel engine using multiple interactive flamelets
982460	Title: Further developments on a characteristic time model for NOx emissions from diesel engines
982462	Title: A predictive tool for engine performance and NOx emission
982463	Title: Modeling of soot formation during DI diesel combustion using a multi-step phenomenological model
982512	Title: Lean-combustion spark-ignition engine exhaust aftertreatment using non thermal plasma
982514	Title: Multi-stage pulsed corona discharge system for reduction of NOx emission from diesel engine vehicle

982515	Title: Direct chemical reduction of NO _x in diesel exhaust
982516	Title: Plasma processing of diesel exhaust by pulsed corona discharge
982527	Title: Determination of particulate and unburned hydrocarbon emissions from diesel engines fueled with biodiesel
982552	Title: Flow distribution in a close-coupled catalytic converter
982553	Title: A 45% engine size catalyst system for MDV2 ULEV applications
982555	Title: A study of a gasoline-fueled, near-zero-emission vehicle using an improved emission measurement system
982556	Title: Numerical prediction of transient conversion characteristics in a three-way catalytic converter
982558	Title: Time resolved exhaust port sampling studies related to hydrocarbon emissions from SI engines
982560	Title: Investigation of the influence of top land crevice geometry on hydrocarbon emissions from SI engines
982561	Title: A novel fuel-efficient and emission-abatement technique for internal-combustion engines
982562	Title: Comparison of analytically and experimentally obtained residual fractions and NO _x emissions in spark-ignited engines
982593	Title: Reduction of NO _x in lean exhaust by selective NO _x recirculation (SNR technique)—Part II: NO _x storage materials
982595	Title: Sulfur interaction with lean NO _x traps: Laboratory and engine dynamometer studies
982596	Title: Engine and aftertreatment modeling for gasoline direct injection
982597	Title: Tests on a new diesel particulate system with traps of metal fleece
982600	Title: A study of the size, number and mass distribution of the automotive particulate emissions for European light-duty vehicles
982601	Title: Investigation of the dilution process for measurement of particulate matter from spark-ignition engines
982602	Title: A review of recent literature investigating the measurement of automotive particulate; the relationship with environmental aerosol, air quality and health effects
982603	Title: Improvements in intimately coupled diesel hydrocarbon adsorber/lean NO _x catalysis leading to durable Euro 3 performance
982605	Title: Exhaust emissions of a vehicle with a gasoline direct-injection engine
982606	Title: Passive and active performance characteristics of NO _x catalysts for direct-injection diesel engines for passengers cars
982620	Title: Effects of in-cylinder fuel spray formation on emissions and cyclic variability in a lean-burn engine—Part 2: results
982633	Title: The conical catalytic converter—Potential for improvement of catalytic effectiveness

982634	Title: Performamnce of different cell structure converters—A total systems perspective
982635	Title: Physical durability of thin-wall ceramic substrates
982642	Title: Investigations on robot drivers for vehicle exhaust emission measurements in comparison to the driving strategies of human drivers
982645	Title: Contribution of cold- and hot-start transients in engine-out HC emissions
982651	Title: Selective non-catalytic NOxreduction in diesel engines using aqueous urea
982652	Title: Models for predicting transient heavy-duty vehicle emissions
982653	Title: Comparison of chassis dynamometer in-use emissions with engine dynamometer FTP emissions for three heavy-duty diesel vehicles
982654	Title: Particulates reduction in diesel engines through the combination of a particulate filter and fuel additive
982676	Title: Reduction of soot emission at a DI diesel engine by additional injection of hydrogen peroxide during combustion
982695	Title: EGR interfaces: modeling to experimental data comparison
982697	Title: Emissin formation mechanisms in a two-stroke, direct-injection engine
982700	Title: Effects of injection timing on the exhaust emissions of a centrally injected four-valve, direct-injection, spark-ignition engine
982704	Title: Stratified-charge engine fuel economy and emission characteristics
982707	Title: Catalysts regeneration via chemical treatment and emission tests at idle speed
982708	Title: The effect of different traffic conditions on catalyst performance and exhaust emissions of a 2-liter gasoline car
982710	Title: Emission control systems for two-stroke engines—A challenge for catalysis
982711	Title: Field test study on two-stroke catalytic converter in Thailand
982727	Title: Sampling and analysis of vapor-phase and particulate-bound PAH from vehicle exhaust
982728	Title: PremAir®Catalyst System
SAE International Off-Highway and Powerplant Congress and Exposition	
2000-01-2552	Title: The SAE Clean Snowmobile Challenge 2000—Summary and results
2000-01-2553	Title: Reduced emissions/reduced noise snowmobile
2000-01-2554	Title: Modifications to a 1998 Indy trail to compete in the Clean Snowmobile Challenge 2000
2000-01-2555	Title: Development of an externally-scavenged direct-injected two-stroke cycle engine
2000-01-2573	Title: Noise and emission reduction strategies for a snowmobile
2000-01-2574	Title: 1998 Polaris Indy Trail: An entry by Minnesota State University, Mankato in the "Clean Snowmobile Challenge 2000"
2000-01-2575	Title: Reduction in emissions and noise from a 500 cc snowmobile

750772	Title: New methods for reducing visible emissions of diesel engines
770716	Title: Removal of exhaust particulate from a Mercedes 300D diesel car
780788	Title: Physical size distribution characterization of diesel particulate matter and the study of the coagulation process
831294	Title: The effect of mixing rate, end of injection, and sac volume on hydrocarbon emissions from a D.I. diesel engine
861232	Title: Effects of combustion and injection systems on unburnt HC and particulate emissions from a DI diesel engine
861233	Title: Effects of intake oxygen concentration on the characteristics of particulate emissions from a D.I.Diesel Engine
861236	Title: Improvements of exhaust gas emissions and cold startability of heavy duty diesel engines by new injection-rate-control pump
871630	Title: Diesel engine emissions: A timing control approach
871691	Title: Cyclically resolved HC emissions from a spark ignition engine
901615	Title: A study of NOx generation mechanism in diesel exhaust gas
911805	Title: Small utility engine emissions reduction using automotive technology
911808	Title: Present and future European exhaust emission regulations for off-road diesel engines
921648	Title: The role of exhaust pipe and incylinder deposits on diesel particulate composition
921676	Title: On-vehicle exhaust gas cooling in a diesel emissions control system
921693	Title: A simple but effective catalyst model for two-stroke cycle engines
921752	Title: Respirable particulate genotoxicant distribution in diesel exhaust and mine atmospheres
932396	Title: Application of direct air-assisted fuel injection to a SI cross-scavenged two-stroke engine
932397	Title: Factors affecting catalyst efficiency a theoretical and investigative treatise
932444	Title: Emissions and performance of a small L-head utility engine fueled with homogeneous propane/air and propane/air/nitrogen mixture
932445	Title: Emission control of a propane fueled small utility engine utilizing air/fuel ratio control and three-way catalyst
932454	Title: Two-zone model for calculation of nitrogen-oxide formation in direct- injection diesel engines
932466	Title: Meeting ISO 8178 requirements for the measurement of diesel particulates with partial-flow dilution systems
932493	Title: Evaluation of a catalyzed ceramic diesel particulate filter and catalytic converter on an underground mine vehicle
932494	Title: The influence of oxidation catalysts on NO _x in diesel exhaust
932495	Title: SiC as a substrate for diesel particulate filters

932496	Title: Destruction of carbonaceous material and nitrogen oxides in conditions of diesel exhaust
932499	Title: Diesel oxidation catalysts with low sulfate formation for HD-diesel engine application
941681	Title: Two-stroke S.I. engine competitive to four-stroke engine in terms of the exhaust emission
941683	Title: Measurement and reduction of particles emitted from a two-stroke engine
941686	Title: Further exhaust emission control for two-stroke engines
941691	Title: An analysis of the added water effect on NO formation in D.I. diesel engines
941702	Title: On-line measurement of formaldehyde in tailpipe emissions by tunable diode laser spectroscopy
941755	Title: A study on off-road diesel engines emission reduction
941771	Title: Physical factors affecting hydrocarbon oxidation in a diesel oxidation catalyst
941772	Title: Kinetic analysis on the igniting characteristics of diesel particulates
941773	Title: Development and application experience of diesel catalytic converters
941774	Title: Studies on regeneration of diesel exhaust particulate filters by microwave energy
941782	Title: Sensitivity of test cycle and fuel type on a spark-ignition four-stroke inboard marine engine
941783	Title: Influence of the fuel injection equipment on NOx emissions and particulates on a large heavy-duty two-stroke diesel engine operating on water-in-fuel emulsion
941784	Title: Marine diesel exhaust emissions measured by portable instruments
941786	Title: Catalytic converter applications for two stroke, spark-ignited marine engines
941805	Title: Small engine combustion chamber optimization using an ionization probe head gasket
941806	Title: Measured emissions of small engines under steady state and transient operation
941807	Title: Exhaust emission control of small 4-stroke air cooled utility engines an initial R&D report
952058	Title: Analysis of characteristic of microwave regeneration for diesel particulate filter
952060	Title: An ISO 8178 correlation study between raw and dilute exhaust emission sampling systems
952062	Title: New concept on lower exhaust emission of diesel engine
952101	Title: Evolution of a rotary distributor pump to satisfy off-highway emissions regulations
952136	Title: The viability of catalyzing a carburetted 50 cc two-stroke cycle engine for moped applications
952141	Title: The effects of a heated catalyst on the unsteady gas dynamic process
961734	Title: Reducing lawnmower exhaust emissions in the U.S. Postal Service
961735	Title: The challenges of applying catalytic aftertreatment to small utility engines
961737	Title: The optimization of a 26.2 cc, OHV, 4-cycle engine aspiration system to achieve 1999 CARB emissions standards
961738	Title: Effects of mixture preparation characteristics on four-stroke utility engine emissions and performance
961739	Title: Effects of ambient conditions on the emissions of a small carbureted four-stroke engine
961803	Title: Injection and ignition effects on two-stroke direct injection emissions and efficiency

961804	Title: A convenient technique for determining two-stroke emission measurement accuracy and A/F ratio
961807	Title: Modelling of oxidation catalysts for two-stroke cycle engines
961808	Title: Reaction mapping during light-off in a two-stroke oxidation catalyst
961847	Title: Exhaust gas emissions and environmental effects by use of rape seed oil based fuels in agricultural tractors
972740	Title: Study of two-and four-stroke outboard marine engine exhaust emissions using a total dilution sampling system
982043	Title: Worldwide harmonization of exhaust emission test procedures for nonroad engines based on the International Standard ISO 8178
SAE International Spring Fuels and Lubricants Meeting and Exposition	
1999-01-1460	Title: A new proportional collection system for extremely low emission measurement in vehicle exhaust
1999-01-1461	Title: Vehicle exhaust particle size distributions: A comparison of tailpipe and dilution tunnel measurements
1999-01-1481	Title: Japan Clean Air Program (JCAP)—Program objectives and design
1999-01-1482	Title: Japan Clean Air Program (JCAP)—Preliminary modeling study of vehicle emission impacts on air quality
1999-01-1503	Title: New measuring method for blue and white smoke in diesel engines by a digital camera system
1999-01-1527	Title: Emissions and fuel economy of a 1998 Toyota with a direct- injection, spark-ignition engine
1999-01-1528	Title: Effects of load on emissions and NOx trap/catalyst efficiency for a direct-injection, spark-ignition engine
1999-01-1529	Title: Engine-out emissions from a direct-injection, spark-ignition (DISI) engine
1999-01-1530	Title: Particulate emissions from a direct-injection, spark ignition (DISI) engine
1999-01-1540	Title: A study on the practicability of a secondary air injection for emission reduction
1999-01-1542	Title: Shoebox converter design for thinwall ceramic substrates
2000-01-1807	Title: The influence of egr on heat release rate and no formation in a di diesel engine
2000-01-1811	Title: New quiescent combustion system for heavy-duty diesel engines to overcome exhaust emissions and fuel consumption trade-off
2000-01-1882	Title: Relative impact on environment and health from the introduction of low emission city buses in sweden
2000-01-1884	Title: The effects of driveability on emissions in European gasoline vehicles
2000-01-1923	Title: Particulate traps for construction machines properties and field experience
2000-01-1924	Title: Particulate trap technology for light duty vehicles with a new regeneration strategy
2000-01-1927	Title: Particulate traps used in city-buses in switzerland
2000-01-1930	Title: Novel approaches to an efficient trap of diesel particulates and it's regeneration

2000-01-1946	Title: Emissions and performance of a carbon fiber reinforced carbon piston
2000-01-1965	Title: Alcohol as automotive fuel-brazilian experience
2000-01-1972	Title: Japan clean air program (jcap)-step 1 study of gasoline vehicle and fuel influence on emissions
2000-01-1973	Title: Japan clean air program-step 1 study of diesel vehicle and fuel influence on emissions
2000-01-1998	Title: NanoMet: On-line characterization of nanoparticle size and composition
2000-01-2000	Title: Measurement of the number and size distribution of particle emissions from heavy-duty engines
2000-01-2003	Title: Characterization of snowmobile particulate emissions
2001-01-1893	Title: The effect of piston topland geometry on emissions of unburned hydrocarbons from a homogeneous charge compression ignition (HCCI) engine
2001-01-1931	Title: On-road demonstration of NOx emission control for heavy-duty diesel trucks using SINOx™urea SCR technology—Long-term experience and measurement results
2001-01-1932	Title: Strategies for meeting future harmonized emissions standards in sport utility vehicles with direct-injection diesel engines
2001-01-1933	Title: Performance of a NOxadsorber and catalyzed particle filter system on a light-duty diesel vehicle
2001-01-1935	Title: Mechanism of NOx reduction by ethanol on a silver-base catalyst
2001-01-1941	Title: The use of emulsion, water induction and EGR for controlling diesel engine emissions
2001-01-1943	Title: Original modeling approach of diesel particulate filter regeneration
2001-01-1946	Title: Diesel particle size distribution: The conversion of particle number size distribution to mass distribution
2001-01-1947	Title: DAF Euro-4 heavy-duty diesel engine with TNO EGR system and CRT particulates filter
2001-01-1948	Title: Diesel aftertreatment systems: 2004-2007, a cost assessment
2001-01-1949	Title: Measuring diesel emissions with a split exhaust configuration
2001-01-1981	Title: Model-based determination of dynamic engine control function parameters
2001-01-2000	Title: Experimental investigation of emission control from spark-ignition engine using electrically heated catalyst
2002-01-1631	Title: Effects of oxygenated compounds on combustion and soot evolution in a DI diesel engine: Broadband natural luminosity imaging
2002-01-1633	Title: The effects of leaner charge and swirl on diesel combustion
2002-01-1642	Title: The M111 engine CCD and emissions test: Is it relevant to real-world vehicle data?
2002-01-1643	Title: Comparative study of butadiene and B, T, X tailpipe emissions for gasoline of different octane levels
2002-01-1657	Title: Diesel particulate emissions from biofuels derived from Spanish vegetable oils
2002-01-1658	Title: Fuel additive and blending approaches to reducing NOx emissions from biodiesel
2002-01-1660	Title: Study on removal of PM and NOx in diesel exhaust by using DC corona discharge

2002-01-1664	Title: A study to assess the effect of octane on vehicle emissions
2002-01-1666	Title: Engine controller for the hydrocarbon reduction during cold start in SI engine
2002-01-1667	Title: Estimation of air-fuel ratio of a SI engine from exhaust gas temperature at cold-start condition
2002-01-1671	Title: Sooted diesel engine oil pumpability studies as the basis of a new heavy-duty diesel engine oil performance specification
2002-01-1674	Title: Evaluation of NOx emission control technologies for SIDI engines
2002-01-1676	Title: A Study of the thermochemical conditions in the exhaust manifold using secondary air in a 2.0-L engine
2002-01-1677	Title: Effects of engine operating conditions on catalytic converter temperature in an SI engine
2002-01-1678	Title: An alternative method for fast light-off of catalysts—Cranking exhaust gas ignition
2002-01-1679	Title: Continuous pre- and post-catalyst hydrocarbon and nitrogen compounds- monitoring of various DeNOx reactions by twin chemical ionization mass spectrometry
2002-01-1680	Title: Pressure and gas matrix independent dilution system for fuel cell gas and exhaust distribution monitoring
2002-01-1681	Title: Measurement of mass emissions from in-use two-stroke engine three-wheelers in South Asia
2002-01-1682	Title: The reduction of soot emissions by the use of a piston with micro-chambers on a medium-duty diesel engine
2002-01-1683	Title: Reactivity of soot with nitrogen oxides in exhaust stream
2002-01-1684	Title: Quantitative flow-reactor study of diesel soot oxidation process
2002-01-1685	Title: Real-time measurement of the volatile fraction of diesel particulate matter using laser-induced desorption with elastic light scattering (LIDELS)
2002-01-1686	Title: A study of the analysis of PM components with CR-DPF
2002-01-1687	Title: Study on the relation between fuel-air ratio and combustion products
2002-01-1699	Title: Mutagenic potential of particulate matter from diesel engine operation on Fischer-Tropsch fuel as a function of engine operating conditions and particle size
2002-01-1702	Title: Comparison of emissions and fuel economy characteristics of conventional, additized, and substantially synthetic diesel fuels in a heavy-duty diesel engine
2002-01-1704	Title: Isotopic tracing of bio-derived carbon from ethanol-in-diesel blends in the emissions of a diesel engine
2002-01-1705	Title: The effect of oxygenates on diesel engine particulate matter
2002-01-1706	Title: The possibility of gas to liquid (GTL) as a fuel of direct injection diesel engine
2002-01-1713	Title: Trends in exhaust emissions from in-use California light-duty vehicles, 1994-2001
2002-01-1714	Title: Real-time, on-road measurement of driving behavior, engine parameters and exhaust emissions
2002-01-1716	Title: Development of a transient duty cycle for large nonroad SI engines

2002-01-1717	Title: N ₂ O emissions from vehicles equipped with three-way catalysts in a cold climate
2002-01-1718	Title: Performance of partial flow sampling systems relative to full flow CVS for determination of particulate emissions under steady-state and transient diesel engine operation
2002-01-1722	Title: Diesel and CNG heavy-duty transit bus emissions over multiple driving schedules: Regulated pollutants and project overview
2002-01-1723	Title: Principles for the design of diesel oxidation catalysts
2002-01-1724	Title: Development of deNO _x catalyst based on Ag/Al ₂ O ₃ catalyst for diesel applications
2002-01-1726	Title: Effect of an oxidation catalyst on exhaust emissions of a DI diesel engine operating with a partial fumigation of the intake air with fuel
2002-01-1727	Title: Effect of an oxidation catalyst on exhaust emissions of a DI diesel engine operating with fumigation of the intake air with superheated steam
2002-01-1738	Title: Combustion and emissions characteristics of a small spark-ignited LPG engine
2002-01-1744	Title: Development of the high-power NADI™ concept using dual-mode diesel combustion to achieve zero NO _x and particulate emissions
2002-01-1748	Title: Investigation of effects of piston bowl and fuel injector offsets on combustion and emissions in D.I. diesel engines
2002-01-1750	Title: A numerical study on combustion and exhaust gas emissions characteristics of a dual-fuel natural gas engine using a multi-dimensional model combined with detailed kinetics
2002-01-1752	Title: Evaluation of durable emission controls for large nonroad SI engines
2002-01-1753	Title: Development and initial use of a heavy-duty diesel truck test schedule for emissions characterization
2002-01-1754	Title: Translation of distance-specific emissions rates between different heavy-duty vehicle chassis test schedules
2002-01-1755	Title: Measurement of brake-specific NO _x emissions using zirconia sensors for in-use, on-board heavy-duty vehicle applications
2002-01-1756	Title: Determination of in-use, brake-specific emissions from off-road equipment powered by mechanically controlled diesel engines
2002-01-1757	Title: Development and validation of a quasi-dimensional model for HCCI engine performance and emissions studies under turbocharged conditions
961065	Title: European Program on Emissions, Fuels and Engine Technologies—Objectives and design
961066	Title: European Program on Emissions, Fuels and Engine Technologies (EPEFE)—Gasoline and diesel test fuels blending and analytical data
961067	Title: European programmes on emissions, fuels and engine technologies (EPEFE) - vehicle/engine technology

961069	Title: European Program on Emissions, Fuels and Engine Technologies (EPEFE)—Statistical design and analysis techniques
961070	Title: European Programs on Emissions, Fuels and Engine Technologies (EPEFE) fuel and exhaust gas analysis
961071	Title: European Program on Emissions, Fuels and Engine Technologies (EPEFE) "Emissions from gasoline sulphur study"
961072	Title: European Program on Emissions, Fuels and Engine Technologies (EPEFE)—Gasoline aromatics/E100 study
961076	Title: Impact of EPEFE data on the European auto-oil process
961079	Title: Ultra low emissions vehicle using LPG engine fuel
961083	Title: Emissions and lube oil monitoring of a diesel engine fueled with palm oil methyl esters and its emulsions
961084	Title: On-line analysis of formaldehyde and acetaldehyde in non-stationary engine operation using laser mass spectrometry
961085	Title: An investigation to determine the exhaust particulate size distributions for diesel, petrol, and compressed natural gas fueled vehicles
961087	Title: Methane dedicated catalysts for heavy-duty natural gas engines
961088	Title: Organic pollutants from the thermal degradation of oxygenated fuels
961089	Title: Particulate characterization using five fuels
961090	Title: FTP emissions test results from flexible-fuel methanol Dodge Spirits and Ford Econoline Vans
961091	Title: Round 1 emissions test results from compressed natural gas vans and gasoline controls operating in the U.S. Federal fleet
961092	Title: Federal test procedure emissions test results from ethanol variable-fuel vehicle Chevrolet Lumina
961103	Title: NOx emissions and efficiency of hydrogen, natural gas and hydrogen/natural gas blended fuels
961111	Title: A LABVIEW®-based Mini-SHED system for permeation determination of fuel system components
961113	Title: Speed and acceleration impact on pollutant emissions
961114	Title: Emissions testing with blends of esters of rapeseed oil fuel with and without a catalytic converter
961115	Title: Emission control technology to comply with FTP revisions
961118	Title: Compound injection to assure the performance of motor vehicle emissions sampling systems
961119	Title: Development of a fuelling system to reduce cold-start hydrocarbon emissions in an SI engine
961125	Title: Three-dimensional computation of the effects of the swirl ratio in direct-injection diesel engines on NOx and soot emissions
961129	Title: Advanced catalyst studies of diesel NOx reduction for heavy-duty diesel trucks
961130	Title: New type of NOx sensors for automobiles

961131	Title: Rare earth catalysts for purification of auto exhaust
961133	Title: Changes in pollutant emissions from passenger cars under cold start conditions
961134	Title: Applications and benefits of catalytic converter thermal management
961137	Title: Electrically heated catalyst—Design and operation requirements
961155	Title: The role of methane on catalyst conversion of NOx: A study based on FTIR
961164	Title: Simultaneous reductions in diesel NOx and smoke emissions with aqueous metal-salt solutions directly injected into the combustion chamber
961165	Title: The dilution, chemical, and thermal effects of exhaust gas recirculation on diesel engine emissions—Part 1: Effect of reducing inlet charge oxygen
961166	Title: Transient emissions from No. 2 diesel and biodiesel blends in a DDC Series 60 engine
961167	Title: The dilution, chemical, and thermal effects of exhaust gas recirculation on diesel engine emissions—Part 2: Effects of carbon dioxide
961170	Title: An investigation into the influence of LPG (autogas) composition on the exhaust emissions and fuel consumption of 3 bi-fuelled Renault vehicles
961171	Title: The effects of oxygen-enriched intake air on FFV exhaust emissions using M85
961185	Title: Diesel fuel quality and particulate emissions: An overview
961196	Title: A mathematical model for in-cylinder catalytic oxidation of hydrocarbons in spark-ignition engines
961209	Title: Simulation study on the effect of introducing low-emission vehicles on air quality improvement
961210	Title: Carbon canister modeling for evaporative emissions: Adsorption and thermal effects
961214	Title: Development of an exhaust carbon monoxide emissions model
961219	Title: The effects of sulfur on emissions from a S.I. engine
961221	Title: Comparison of the exhaust emissions from California Phase 1 (without oxygenates) and Phase 2 (with oxygenates) fuel: A case study of 11 passenger vehicles
961225	Title: Relationship between gasoline anti-knock agents, gasoline aromatics content and SI engine emissions
961230	Title: Pyrosynthesis of PAH in a modern IDI diesel engine
961231	Title: Characterization of diesel particulate emissions of two IDI diesel engines using diesel and kerosene fuels
971598	Title: Simulating exhaust emissions characteristics and their improvements in a glow-assisted DI methanol engine using combustion models combined with detailed kinetics
971602	Title: Effectiveness of engine calibration techniques to reduce off-cycle emissions
971603	Title: Factors influencing drive cycle emissions and fuel consumption
971606	Title: On-line analysis of individual aromatic hydrocarbons in automotive exhaust: dealkylation of the aromatic hydrocarbons in the catalytic converter

971608	Title: CRC hydrocarbon emissions analysis round robin test program, phase II
971609	Title: CRC carbonyl emissions analysis round robin program-Phase II
971610	Title: Simultaneous fast response NO and HC measurements from a spark-ignition engine
971612	Title: Optimizing engine performance and emissions using Bayesian techniques
971655	Title: A dynamometer study of off-cycle exhaust emissions—The auto/oil air quality improvement research program
971657	Title: Water injection effects on NOx emissions for engines utilizing diffusion flame combustion
971658	Title: Experimental investigation of smoke emission dependent upon engine operating conditions
971659	Title: The dilution, chemical, and thermal effects on exhaust gas recirculation on diesel engine emissions—Part 3: effects of water vapor
971660	Title: The dilution, chemical, and thermal effects of exhaust gas recirculation on diesel engine emissions—Part 4: effects of carbon dioxide and water vapor
971689	Title: Chemical and biological characteristics of exhaust emission from a DI diesel engine fueled with rapeseed oil methyl ester (RME)
971715	Title: Fundamental limits on NOx reduction by plasma
971716	Title: Vehicle exhaust treatment using electrical discharge methods
971718	Title: Non-thermal plasma exhaust aftertreatment: a fast rise-time concept
981380	Title: Experimental determination of spontaneous diesel flame emission spectra in a large diesel engine operated with different diesel fuel qualities
981414	Title: Characterization of recent-model, high-emitting automobiles
981417	Title: Evaluation of catalyzed hydrocarbon traps in the EGI system: potential for hydrocarbon emissions reduction
981422	Title: A study of the effects of exhaust gas recirculation on heavy-duty diesel engine emissions
981424	Title: Combustion diagnostics by means of multizone heat release analysis and NO calculation
981449	Title: Simulation of combustion, soot and NOx-emissions in a large medium-speed diesel engine
SAE International Truck and Bus Meeting and Exposition	
2000-01-3420	Title: Government-Industry Partnership for improving the military's and nation's trucks: The 21st Century Truck Initiative
2000-01-3459	Title: Plasma treatment of diesel particulate for a minibus
2000-01-3473	Title: Comparison of in-use emissions from diesel and natural gas trucks and buses
2001-01-2773	Title: Hybrid electric systems for 20-ton platforms
2001-01-2815	Title: Development of continuous dilution factor for CVS emissions sampling and calculation
2002-01-3117	Title: Emissions from conventional and hybrid electric transit buses tested on standard and San Francisco specific driving cycles

2002-01-3118	Title: The influence of grade on the operating characteristics of conventional and hybrid electric transit buses
2002-01-3128	Title: Hydraulic power assist—A demonstration of hydraulic hybrid vehicle regenerative braking in a road vehicle application
2002-01-3129	Title: Vehicle dynamometer for hybrid truck development
2003-01-3360	Title: Experiments in active diesel particulate filter regeneration
2003-01-3362	Title: Control strategy for NOx—Emission reduction with SCR
2003-01-3366	Title: Chassis dynamometer emission measurements from refuse trucks using Dual-Fuel™ natural gas engines
2003-01-3403	Title: A cost-effective, new coating for multi-layer steel exhaust gaskets
2003-01-3423	Title: The development of a novel self-powered centrifugal oil cleaner for automotive applications
922435	Title: Determination of heavy-duty vehicle energy consumption by a chassis dynamometer
922436	Title: Exhaust emissions from in-use heavy duty vehicles tested on a transportable transient chassis dynamometer
932950	Title: Emissions from heavy-duty trucks converted to compressed natural gas
932952	Title: Emissions comparisons of twenty-six heavy-duty vehicles operated on conventional and alternative fuels
932954	Title: Diesel particulate analysis for effective exhaust aftertreatment
932958	Title: A diesel oxidation catalyst for exhaust emissions reduction
932982	Title: A diesel engine/catalyst system for pick-up and medium-duty trucks
942261	Title: Emissions from methanol, ethanol, and diesel powered urban transit buses
942262	Title: Sampling strategies for characterization of the reactive components of heavy-duty, diesel exhaust emissions
942263	Title: Heavy-duty testing cycles: survey and comparison
942264	Title: The optimized Duetz Service Diesel Particulate Filter System DPFS II
942314	Title: A demonstration of methanol-powered buses in Windsor, Ontario
942318	Title: The Orange Country Transportation Authority's Cleaner Air through Reduced-Emission Systems (OCTA CARES) program
952650	Title: A study of the durability of diesel oxidation catalysts
952651	Title: A demonstration of transit bus particulate traps in Ottawa Ontario
952652	Title: Development of a urea DeNOx catalyst concept for European ultra-low emission heavy-duty diesel engines
952653	Title: Transient emissions tests of Cummins N-14 natural gas engine
962159	Title: Speciation of heavy-duty diesel exhaust emissions under steady-state operating conditions

973203	Title: Natural gas and diesel transit bus emissions: review and recent data
973256	Title: Technologies and costs for on-road, heavy-duty engines meeting 2004 emissions standards
982802	Title: The durability of and evaluation methods for diesel oxidation catalysts
SAE Noise and Vibration Conference and Exposition	
1999-01-1661	Title: Exhaust muffler design and analysis using a boundary-element- method-based computer program
1999-01-1665	Title: Modeling of engine exhaust acoustics
1999-01-1666	Title: Development of a simple numerical method of the exhaust system to find optimized design values
2001-01-1423	Title: A purge solenoid structure-borne noise model
2001-01-1434	Title: Determining the link between the disturbing sound elements and the construction of the exhaust system
2001-01-1437	Title: Dynamic simulation and correlation for automotive exhaust systems
2001-01-1438	Title: Dynamic analysis of a full system durability test in vehicle exhaust systems
2001-01-1439	Title: Identification of the best modal parameters and strategies for FE model updating
2001-01-1446	Title: Measurement of dynamic parameters of automotive exhaust hangers
2001-01-1615	Title: An electronically tunable resonator for noise control
951257	Title: Effects of noise limits for powered vehicles on their emissions in real operation
SAE Passenger Car Meeting and Exposition	
780606	Title: Evaluation of three-way catalysts—part III, formation of NH ₃ , its suppression by SO _x and re-oxidation
	Title: Effects of combustion-chamber surface temperature on the exhaust emissions of a single-cylinder spark-ignition engine
780642	
780646	Title: Evaluation of emission control technology approaches for heavy-duty gasoline engines
800823	Title: Exhaust emissions from in-use passenger cars equipped with three-way catalysts
800841	Title: Mathematical models for catalytic converter performance
800842	Title: Aging of pelleted and monolithic automotive emission control catalysts
830984	Title: The emission control capability of catalyst-equipped vehicles at extended mileages under field conditions
841244	Title: Future automotive emission control technology and strategy
871989	Title: Short test for gasoline powered vehicle emission control
891971	Title: Accuracy of A/F calculation from exhaust gas composition of SI engines
891973	Title: Exhaust emission control on the new 300 SL and 500 SL structure and mode of operation
SAE West Coast International Meeting	
861111	Title: Emission control options for heavy-duty engines
Small Engine Technology Conference and Exposition	
1999-01-3255	Title: Motorcycle noise and exhaust emissions—Statutory testing methods versus real traffic situations

1999-01-3258	Title: Development of a low-emission, high-performance motorcycle
1999-01-3259	Title: Provision for emission reduction of sports utility motorcycle
1999-01-3263	Title: Increase of flow rate of super-mini suck nozzle and its application for general-use small engine
1999-01-3265	Title: Combustion characteristics and exhaust gas emissions of lean mixture ignited by direct diesel fuel injection with internal EGR
1999-01-3266	Title: A study on the effects of recirculated exhaust gas upon NOx and soot emissions in diesel engines with scrubber EGR system
1999-01-3269	Title: Development of stratified scavenging two-stroke cycle engine for emission reduction
1999-01-3271	Title: Stratified scavenging applied to a small-capacity, two-stroke scooter for the reduction of fuel consumption and emissions
1999-01-3281	Title: Development of catalysts for two-stroke engines
1999-01-3282	Title: Development of a catalytic exhaust system for a two-stroke scooter engine
1999-01-3283	Title: Three-way catalyst technology for off-road equipment engines
1999-01-3285	Title: AVL SDIS Mk.II—Low-cost automotive F1 applied to 2-stroke engines for future CARB—Regulations
1999-01-3287	Title: A study of exhaust emission control for direct-fuel-injection, two-stroke engine
1999-01-3299	Title: The impact of catalytic aftertreatment on particulate matter emissions from small motorcycles
1999-01-3301	Title: Thermal and poisoning effects on the performance of motorcycle emission control catalysts
1999-01-3302	Title: Development of low-emissions small off-road engines
1999-01-3306	Title: Development of a CFD system using PCC method and its application to an exhaust muffler design for motorcycles
1999-01-3309	Title: Time-resolved emission sampling in a direct-injection engine
1999-01-3328	Title: Investigation on relationship between thermal efficiency and NOx formation in ultra-lean combustion
1999-01-3329	Title: Experimental and computational analysis of a tuned exhaust system for a small two-stroke engine
1999-01-3332	Title: Development and progress of the exhaust-system device for 2-stroke engines
1999-01-3338	Title: Best available technology for emission reduction of small 4S SI engines
1999-01-3345	Title: The effect of high ethanol blends on emissions from small utility engines
2002-32-1806	Title: A new approach for isomerized LPG-diesel, dual-fuel engine by two different isomerization catalysts acidic Al ₂ O ₃ versus Al ₂ O ₃ /Pt—An experimental study
2002-32-1810	Title: Study of the impact to the water quality by marine engine exhaust emissions
2002-32-1811	Title: Catalytic reduction of marine stern-drive engine emissions
2002-32-1829	Title: TCT—Total combustion technology
2002-32-1837	Title: Small engine catalyst for US emission regulations
2002-32-1841	Title: Investigation of low-emission, two-stroke cycle engine chainsaw

2002-32-1844	Title: Development of an electronically controlled carburetion system to reduce the exhaust emissions of small IC engines for handheld power tools
2002-32-1846	Title: Basic investigation of particulate matters (O-PM) and polycyclic aromatic hydrocarbons emitted by two-stroke motorcycles
891799	Title: Catalytic exhaust emission control of small internal combustion engines
951760	Title: Emission control of four-stroke motorcycle engine
951762	Title: Reducing utility engine exhaust emissions with a thermal reactor
951764	Title: Analysis on fuel economy improvement and exhaust emission reduction in a two-stroke engine by using an exhaust valve
951765	Title: Exhaust catalyst selection for small two-stroke engines
951768	Title: Durability of ceramic catalytic converters for motorcycles
951783	Title: Evaluation of a low-emissions concept on a 50 cc 2-stroke scooter engine
951784	Title: Emission and fuel consumption reduction in a two-stroke engine using delayed charging
951800	Title: Development of computerized lubrication system of 2-stroke gasoline engines for exhaust smoke reduction
951814	Title: Catalytic converter applications for two-stroke, spark-ignited marine engines
Subzero Engineering Conditions Conference and Exposition	
890003	Title: Automotive exhaust emissions at low ambient temperature
890021	Title: Vehicle emission characteristics under cold ambient conditions
920004	Title: Measurement of regulated and unregulated emissions at low ambient temperature
920012	Title: Optimizing three-way catalyst emission control system for low ambient temperature operations
920014	Title: Emissions and fuel consumption at FTP test cycles at +22°C and - 2°C from vehicles equipped with block heaters
940083	Title: Cold start automotive research efforts at the University of Alaska Anchorage
Total Life Cycle Conference and Exposition	
2000-01-1463	Title: Life-cycle management in the automotive supply chain: Results of a survey of Saturn Tier I suppliers
2000-01-1471	Title: Construction of a DFE approach applied to the automotive industry - Report on the EDIT Project
2000-01-1472	Title: Life Cycle Engineering - Advantages for economy and ecology
2000-01-1477	Title: "Diesel smoke problem in India"
2000-01-1480	Title: ExternE: A European accounting framework for life cycle impact assessment and external costs of transport
2000-01-1491	Title: Life cycle engineering as a tool for design for environment
2000-01-1492	Title: Application of life cycle assessment methodology to comparative LADA automobiles

2000-01-1493	Title: Identifying the environmental impact drivers and tradeoff options in the life cycle of automobiles - A software-based methodology for the sound restriction of system boundaries
2000-01-1497	Title: Credible life cycle inventory data for studies of automotive aluminum
2000-01-1499	Title: Optimizing vehicle life using life cycle energy analysis and dynamic replacement modeling
2000-01-1501	Title: System performance simulation based on life cycle considerations
2000-01-1502	Title: Concepts for pro-active life cycle design support tools
2000-01-1503	Title: Review of the allocation procedure in ISO 14041
2000-01-1504	Title: Life cycle inventories of conventional and alternative automobile fuel/propulsion systems: Summary and conclusions
2000-01-1515	Title: Setting boundaries to develop a LCA of an automobile: Brazilian case study
2000-01-1517	Title: LCA-based design for environment in the automotive industry
951856	Title: Vehicle total life cycle exhaust emissions
982181	Title: A method for the site-dependent life cycle impact assessment of toxic air pollutants from traffic emissions
982199	Title: Comparison of methodologies for calculating use-stage environmental burdens for an automobile
982215	Title: Possibilities to reduce exhaust emissions of road motor vehicles in Slovakia
982216	Title: Scenarios for the future energy demand and CO ₂ emissions from the global transport sector
982217	Title: Direct-injection, internal-combustion engines—The automotive industry's contribution to reduced CO ₂ emissions
Vehicle Thermal Management Systems Conference and Exhibition	
2001-01-1716	Title: Impact of US02 and Euro4 emission legislation on powertrain cooling challenges and solutions for heavy-duty trucks
2001-01-1747	Title: Use of simulation tools in EGR development process
2001-01-1748	Title: Development of EGR coolers for truck and passenger car application
2001-01-1753	Title: Laser welding of EGR coolers—A new process technology for heat exchanger manufacturing
931071	Title: An integrated computational model for the optimization of monolith catalytic converters
931079	Title: Meeting heat flow challenges in automotive catalyst design with CFD
931086	Title: Catalytic converter preheating by using a chemical reaction
931087	Title: Predicted cold start emission reductions resulting from exhaust thermal energy conservation to quicken catalytic converter lightoff
931094	Title: A study of warm-up processes in SI engine exhaust systems
971838	Title: An early-design methodology for predicting transient fuel economy and catalyst-out exhaust emissions

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2003-01-3522	Title: Numerical simulation of a bus underhood flow
2003-01-3545	Title: Component tolerances impact on critical clearances for Ford Fiesta supercharger exhaust assembly
2003-01-3557	Title: Finite difference model for journal bearings applied in the camshaft support elements
2003-01-3569	Title: Acoustic and tactile transfer functions measurements on automotive development
2003-01-3577	Title: CFD approach on underhood thermal management of passenger cars and trucks
2003-01-3647	Title: Dynamic powertrain simulation
2003-01-3649	Title: The Zetec RoCam engine on its globalization way
2003-01-3657	Title: Reduction of fatigue resistance on bolts with threads rolled after heat treatment, as a result of superficial treatment
2003-01-3687	Title: Study of the turbulence intensity variation within the combustion chamber of a SI engine due to turbocharging
2003-01-3720	Title: Performance controlling of spark ignition engine by the variations of the intake valve opening angle
2003-01-3721	Title: Intake gas recycled valve modelling of spark ignition engines
2003-01-3726	Title: Performance and emission analysis of the turbocharged spark-ignition engine converted to natural gas
2003 JSAE/SAE International Spring Fuels and Lubricants Meeting	
2003-01-1770	Title: Combustion chamber deposits and PAH formation in SI engines fueled by producer gas from biomass gasification
2003-01-1771	Title: The influence of injector deposits on mixture formation in a DISC SI engine
2003-01-1798	Title: A comparison of the flow fields generated for spark and controlled autoignition
2003-01-1799	Title: Transient temperature measurement of unburned gas in an engine cylinder using laser interferometry with a fiberoptic sensor
2003-01-1801	Title: Combustion diagnostics of a spark ignition engine by using gasket ion sensor
2003-01-1802	Title: The effect of intake system geometry on the sensitivity of hot film type air flow meter
2003-01-1803	Title: PIV characterization of a 4-valve engine with a camshaft profile switching (CPS) system
2003-01-1804	Title: Study of antiknock performance under various octane numbers and compression ratios in a DISI engine
2003-01-1807	Title: Effects of fuel and diluents on stratified charge turbulent combustion in simplified conditions
2003-01-1808	Title: Characteristics of combustion in stratified mixture
2003-01-1809	Title: Insight on early spray formation process of a highpressure swirl injector for DISI engines
2003-01-1810	Title: The effects of fuel temperature on a direct injection gasoline spray in a constant volume chamber
2003-01-1811	Title: Characterization of mixture formation processes in D.I. gasoline sprays by the laser absorption scattering (LAS) technique—Effect of injection conditions

2003-01-1812	Title: Stratification features of swirl nozzle sprays and slit nozzle spray in DI gasoline combustion
2003-01-1831	Title: The effect of active species in internal EGR on preignition reactivity and on reducing UHC and CO emissions in homogeneous charge engines
2003-01-1838	Title: Numerical simulation of multicomponent fuel spray
2003-01-1839	Title: A numerical study of weakly turbulent premixed combustion with flame speed closure model
2003-01-1840	Title: Fractal dimension growth in flame front wrinkles during the early phase of flame propagation in an SI engine
2003-01-1841	Title: Modelling of wall impinging behavior with a fan-shaped spray
2003-01-1844	Title: Transient response of a turbocharged SI engine with an electrical boost pressure supply
2003-01-1845	Title: Port fuel injection and combustion simulation of a racing engine
2003-01-1860	Title: Effect of MHD principles on the performance of a 4stroke petrol engine
2003-01-1867	Title: Effects of fuel properties on the stratified-charge combustion of direct-injection gasoline engine with EGR
2003-01-1872	Title: Emission reduction technologies adopted for Japan U-LEV certified vehicles
2003-01-1902	Title: Results of JCAP I studies and outline of JCAP II program
2003-01-1910	Title: A novel gasoline fuel optimizer for improved combustion and vehicle performance
2003-01-1917	Title: Mixture formation and combustion characteristics of directly injected LPG spray
2003-01-1919	Title: Characteristics of icing phenomenon on injector in a liquid phase LPG injection SI engine
2003-01-1952	Title: Oil transport in the piston ring pack (Part I): Identification and characterization of the main oil transport routes and mechanisms
2003-01-1953	Title: Oil transport in the piston ring pack (Part II): Zone analysis and macro oil transport model
2003-01-1956	Title: Effect of engine oil additives on motorcycle clutch system
2003-01-1993	Title: Oil distribution optimization for friction reduction in a high-speed racing engine (CART)
2003-01-1994	Title: A new technique for dynamic oil aeration monitoring
2003-01-1995	Title: Air-X, an innovative device for on-line oil aeration measurement in running engines
2003-01-2006	Title: Development of a direct injection spark ignition engine test for injector fouling
2003-01-2007	Title: Spatially resolved determination of fuel/air ratio inside a direct injection SI engine under real fuel conditions
2003-01-2012	Title: Fleet tests to determine the octane response at different altitudes for vehicles equipped with knock sensors
2003-01-2013	Title: Indicated mean effective pressure measuring method using optical fiber pressure sensor
2003-01-2014	Title: An investigation of long and short duration tests for evaluating engine non-starts caused by CCD flaking
2003-01-2015	Title: Numerical analysis of flow characteristics for intake valve design

2003-01-2024	Title: Direct injection gasoline (DIG) injector deposit control with additives
2003 SAE/JSAE Small Engine Technology Conference and Exhibition	
2003-32-0001	Title: The application of piezoceramic actuation to direct fuel injection
2003-32-0008	Title: Visualization of the flow inside the transfer channels of small two-stroke cylinders
2003-32-0009	Title: Combustion stability and control analysis of scooter engine
2003-32-0011	Title: Investigating combustion enhancement and emissions reduction with the addition of $2H_2 + O_2$ to a SI engine
2003-32-0013	Title: Development of a 660 cc turbocharged spark-ignition direct-injection engine
	Title: Development of a simple model to predict spatial distribution of cycle-averaged wall heat flux using artificial neural networks
2003-32-0018	
2003-32-0019	Title: Low speed running characteristics of a small two-stroke engine with auxiliary exhaust ports
2003-32-0020	Title: Modelling of scavenging and plugging in a twin-cylinder, two-stroke engine using CFD
2003-32-0021	Title: A novel micro free-piston swing engine (MFPSE) and the validation of its feasibility (part 1)
2003-32-0023	Title: The effect of fuel manifold injection and injection timing on performance and emissions for a spark ignition engine
2003-32-0024	Title: Behavior of a small four-stroke engine using as fuel methanol-gasoline mixtures
2003-32-0026	Title: Design and development of a novel balancing system for single and in-line twin cylinder engines
2003-32-0027	Title: Design and development of a lightweight, high-performance 1.0-liter, 4-stroke engine for recreational products
	Title: Implementation of both a second-moment closure and a third-order nonlinear eddy-viscosity turbulence models to KIVA-3V code
2003-32-0028	
2003-32-0029	Title: The evaluation of discharge coefficients in the cylinders of high-performance, two-stroke engines
2003-32-0030	Title: Scavenging efficiency and combustion performance in 2T gasoline engine
2003-32-0032	Title: The potential of the ceramic valve in IC engines
2003-32-0033	Title: Development of titanium engine valves for motorcycles
2003-32-0038	Title: A study of knocking using ion current and light emission
2003-32-0039	Title: Application of an electric boosting system to a small, four-cylinder S.I. engine
2003-32-0040	Title: A calculation methodology for cam overlap optimization towards combustion quality at idle in IC SI engines
2003-32-0043	Title: Simulation of scooter crankcase failure using FEM and dynamic testing in laboratory
2003-32-0047	Title: Emission and performance evaluation of a 25 cc stratified scavenging two-stroke engine
2003-32-0048	Title: Reduction of exhaust gas emission in a SI two-stroke engine with direct fuel mixture injection
2003-32-0050	Title: Optimization of turbocharger characteristics for personal watercraft
2003-32-0051	Title: Development of the high-performance, four-stroke engine mounted on personal watercraft

2003-32-0052	Title: Performance improvement of a four-cylinder gasoline engine with continuous variable valve timing mechanism using a three-dimensional cam
2003-32-0053	Title: Interconnection technology for engine generators
2003-32-0054	Title: Development of advanced plating system for cylinder bores of motorcycles
2003-32-0056	Title: How gearbox ratios influence lap time and driving style—An analysis based on time-optimal maneuvers
2003-32-0058	Title: Modelling the sound source of an intake and predicting the intake sound pressure level for a motorcycle
2003-32-0066	Title: Development of spraying technology for improving the wear resistance of engine cylinder bores
2003-32-0067	Title: Drivetrain effects on small engine performance
2003-32-0072	Title: Numerical simulation of intake port flow by using VECTIS CFD code
2003-32-0073	Title: Intake manifold optimization by using 3-D CFD analysis
2003-32-0074	Title: Optimization of a direct-injected 2-stroke cycle snowmobile
2003-32-0075	Title: Improving the University of Idaho clean snowmobile
2003-32-0076	Title: Kettering University's 2003 design for the Clean Snowmobile Challenge
2003-32-0077	Title: Comparison of an E10 direct injection two-stroke cycle engine and an E85 four-stroke cycle engine
2003-32-0078	Title: An assessment of intake and exhaust philosophies for variable valve timing
2003-32-0081	Title: Scavenging measurements in a direct-injection, two-stroke engine
2003-32-0082	Title: Low-pressure, in-cylinder fuel injection
2003-32-0083	Title: Adaptation of four-stroke motorcycle engine to continuously variable transmission for snowmobile application
2003-32-0084	Title: Fuel injection system for small motorcycles
44th Annual Earthmoving Industry Conference	
931181	Title: Optimization of inlet port design in a uniflow-scavenged engine using a 3-D turbulent flow code
Automotive and Transportation Technology Congress and Exhibition	
2001-01-3194	Title: Rotary engine design
2001-01-3195	Title: Thermodynamic reference eco-cycle of IC engine
2001-01-3198	Title: Exhaust pressure signal for automotive engines diagnosis
2001-01-3217	Title: Design of carbon pistons using transient heat transfer and stress analyses
2001-01-3231	Title: Modeling and control of transient engine conditions
	Title: Stratified-charged SI and CI Engines in SRFNPH are functioned by forming of REABP and Radicals—SI-CVCC, SI-GDI, CI-OSKA, CI-MK—(SRFNPH: simultaneous reduction of SFC, NO _x , particulate, HC REABP: Re-entrainment of active burned products)
2001-01-3232	

2001-01-3233	Title: Multidimensional modeling of the scavenging and injection processes of a small two-stroke engine compared to LDV measurements
2001-01-3234	Title: Improved energy conversion efficiency of Otto-type engine (relations between work and EC efficiency from the theoretical to the net)
2001-01-3235	Title: Modeling of a four-valve S.I. engine combustion: A comparison of two 3-D computer codes
2001-01-3248	Title: Technologies for carbon-neutral passenger transport—A comparative analysis
2001-01-3249	Title: Fuel for tomorrow's cars—Do we have to leave the hydrocarbons?
2001-01-3271	Title: The new "torque strategy" for the control of the spark ignition engine—Development of a motorized butterfly valve through experimental techniques and computational modeling
2001-01-3273	Title: Visualization and PIV measurements of in-cylinder axisymmetric flows
2001-01-3277	Title: On-board injection rate measurements at DI-systems with a micromachined mass flow sensor
2001-01-3278	Title: Smart actuator for sensorless electromagnetic variable valve actuation
2001-01-3291	Title: Comparative LCA of electric mopeds versus internal combustion mopeds
2001-01-3297	Title: Machining of advanced materials for automotive components
2001-01-3317	Title: Modeling the exhaust system in two-stroke small engines
2001-01-3341	Title: Simulation of energy conversion in advanced automotive vehicles
2001-01-3367	Title: A New TEHD approach for sophisticated simulation of journal bearings
2001-01-3368	Title: Simulation of the piston and piston ring dynamic
2001-01-3371	Title: Mechanics and stress analysis of piston ring in multibody single-cylinder internal combustion engine—Fe analysis
2001-01-3373	Title: Development of high-strength carbo-nitriding process
2001-01-3374	Title: Fatigue life analysis of crankshaft at various surface treatments
2001-01-3382	Title: Control of mixture composition using cylinder pressure sensors
2001-01-3384	Title: Adaptive control of the fuel injected per cycle and of the ignition advance for the spark ignition engine using fuzzy inferential systems
2001-01-3418	Title: Description of the hybrid technology mounted to production model
2001-01-3421	Title: Very advanced automotive powertrains with the crankless prime movers
2001-01-3453	Title: Simulation of a vehicle with an ICE, CVT, and ISG powertrain—A pre-study for concept evaluation and dimensioning
2002-01-2156	Title: IC engine: Tracking control for an inlet manifold with EGR
2002-01-2157	Title: Influence of throttle control system in vehicle-driveline dynamic and in car performance perception
2002-01-2167	Title: CFD-aided design of an airbox for race cars
2002-01-2168	Title: Reduction of exhaust gas emission in a two-stroke engine with pneumatic fuel injection

2002-01-2170	Title: Study regarding the necessity of vehicle calibration according to the peculiarities of the central and east European markets
2002-01-2180	Title: Scavenge streams analysis in high-speed 2T gasoline engine
2002-01-2181	Title: Analysis of loop scavenging process in a small power SI two-stroke engine
2002-01-2183	Title: Stress distribution in a crankshaft crank using a geometrically restricted finite element model
2002-01-2193	Title: Modelling methodology of a spark-ignition engine and experimental validation—Part I: Single-zone combustion model
2002-01-2194	Title: Modelling methodology of a spark-ignition engine and experimental validation—Part II: Gas exchange process
2002-01-2196	Title: Performance and fuel consumption estimation of a hydrogen enriched gasoline engine at part-load operation
2002-01-2197	Title: Thermo-hydraulic oil loop modelling for I.C.E. warm-up investigation
2002-01-2198	Title: Effect of thermodynamic irreversibility of internal combustion engines on power output and thermal efficiency
2002-01-2207	Title: Efficient Computation of Engine Noise Radiation Characteristics
2002-01-2209	Title: A combined experimental - numerical approach for motorcycle crank noise: Modelling
2002-01-2224	Title: A model of energetic interactions between a car engine, the cabin heating system and the electrical system
2002-01-2236	Title: A combustion model for analyzing the effects of natural gas composition on the operation of a spark ignition engine
2002-01-2237	Title: SI engine fuelled with injected liquid buthane—Chosen aspects of examination
2002-01-2244	Title: A new sensor element with high suppression of external fields for rotational speed sensors in engine management applications
2002-01-2249	Title: The tribo-contact dynamics phenomenon in torsional impact of loose gears—Promoting gear rattle
Future Car Congress	
2000-01-1546	Title: Lightweight engine design strategies
2000-01-1547	Title: Tribological performance of NFC coatings under oil lubrication
2000-01-1583	Title: Nissan's gasoline SULEV technology
2000-01-1594	Title: The Cooperative Automotive Research for Advanced Technology Program (CARAT): Accelerating the commercialization of innovative technology
2002-01-1893	Title: Time-resolved and quantitative characterization of highly transient gasoline sprays by x-radiography
2002-01-1900	Title: Near-term fuel economy potential for light-duty trucks
2002-01-1901	Title: Fuel economy improvement via hybridization versus vehicle performance level

2002-01-1910	Title: The opportunity for IC engines in a hybrid world
Future Transportation Technology Conference	
	Title: The development of an object-oriented tool for the modelling and simulation of hybrid powertrains for vehicular applications
2003-01-2249	
2003-01-2264	Title: New CNG concepts for passenger cars: High torque engines with superior fuel consumption
2003-01-2275	Title: Designing a miniature engine for large-engine performance
2003-01-2276	Title: Improving the power curve of an ICE using electromagnetic valve actuation
2003-01-2277	Title: Intake design for maximum performance
2003-01-2279	Title: A novel compressed air starting system
2003-01-2314	Title: Limited emissions and nanoparticulates of a scooter with 2-stroke direct injection (TSDI)
2003-01-2315	Title: A strategic study—The green and e-commerce impacts to future automotive engine system R&D
Government/Industry Meeting	
2003-01-2070	Title: A contribution to understanding automotive fuel economy and its limits
International Mobility Technology Conference and Exhibit	
2001-01-3800	Title: Underhood airflow simulation of a passenger car using computational fluid dynamics
2001-01-3806	Title: Close-coupled converter modelling with a thinwall substrate for a gasoline engine
2001-01-3838	Title: Powertrain process to translate customer perceptions into technically driven database
2001-01-3844	Title: Ceramic and metal injection molding for automotive applications
2001-01-3855	Title: Object-oriented modelling of piston engines
2001-01-3878	Title: Modal analysis of valve train test rig support structure
2001-01-3917	Title: Development of an internal combustion alcohol-fueled engine
2001-01-3923	Title: Identification and quantification of knock in internal combustion engines using spectral analysis
2001-01-3929	Title: A case study of co-design in the Brazilian automotive industry
2001-01-3945	Title: Powertrain vibrations versus internal noise, eternal challenge
International Pacific Conference on Automotive Engineering and High Temperature Engineering Conference	
931873	Title: Rapid combustion system development using CAD/CAM
931897	Title: Unsteady flow phenomena and volume effects in automotive engines manifolds.
931900	Title: Detecting knock in noisy spark ignition engines
931901	Title: Measurement and simulation of valve motion
931902	Title: An experimental study on knock sensing for a spark ignition engine
931904	Title: Numerical simulation of the gas exchange in two-stroke passenger car gasoline engines
931905	Title: Effect of swirl rate on mixture formation in a spark ignition engine based on laser 2-D visualization techniques
931907	Title: Analysis of thermal conduction in piston of gasoline engine by boundary element method

931908	Title: Simulation of spark ignition engine combustion using lagrangian code
931981	Title: A study of in-cylinder local heat transfer characteristics of a spark ignition engine
931984	Title: On the solution of unsteady heat transfer problems in ICE
932004	Title: Advanced optimization techniques in valvetrain design
IX International Conference on Vehicle Structural Mechanics and CAE	
951090	Title: Modal expansion of experimental vibration data for numerical acoustic radiation prediction
951094	Title: Flexible chassis effects on dynamic response of engine mount systems
951104	Title: Optimization of engineering components with the sko method
951122	Title: Oil pan design improvements based on finite element modal analysis results
Mobility Technology Conferences and Exhibit	
921449	Title: New materials for automotive pistons
921451	Title: Configurations and materials of oil control rings to meet the new internal combustion engines requirements
921453	Title: Liner honing quality main characteristics
921476	Title: Variable valve timing—The "mirabilis" camshaft—Its impact on the environment and fuel consumption
921479	Title: Thermodynamic evaluation of variable valve timing
	Title: Experimental study of the effects of intake temperature on the performance of turbocharged gas-powered engines
921494	
921523	Title: Obtainment of same thermal efficiency in spark engines with different compression ratios
Motorsports Engineering Conference and Exhibition	
2000-01-3537	Title: Fundamental parameter design issues which determine race car performance
2000-01-3545	Title: Rapid evaluation of powertrain subsystems and components
2000-01-3546	Title: Racing engine design options investigated by engine simulation
2000-01-3553	Title: Oil development for Nascar racing
2002-01-3295	Title: Improvements to maximize power in a restricted 2002 Formula SAE base engine
2002-01-3296	Title: Racing applications and validation of a hard-carbon, thin-film coating
	Title: Summary of results of development and validation of hot- honing system to provide improved engine performance
2002-01-3299	
2002-01-3315	Title: Parametric design of FIA F1 engines
2002-01-3316	Title: Exhaust system design for a four-cylinder engine
2002-01-3317	Title: Parametric design of FIM WGP engines
2002-01-3318	Title: Prediction of Formula 1 engine and airbox performance using coupled virtual 4-stroke and CFD simulations

2002-01-3319	Title: The effect of nanoparticle additions on the heat capacity of common coolants
2002-01-3321	Title: Comparison between Formula 1 and CART engine performance based on acoustic emission analysis
2002-01-3328	Title: Strategies to evaluate power output in racing engines—Case study: 2002 World Offshore Class I Regulations
2002-01-3330	Title: Formula 1 engine evolution analysis using the engine acoustic emission
	Title: Enhancing the performance of high-powered motorcycles by a proper definition of geometry and mass distribution
2002-01-3345	
2002-01-3347	Title: Potential for a ground-effects top fuel dragster
2002-01-3354	Title: Ecotec 2.0-liter race engine
2002-01-3355	Title: Lubrication, tribology and motorsport
	Title: Putting the stock back in stock car racing: Developing the General Motors Corporation LS1 V8 for short-track competition
2002-01-3356	
2002-01-3357	Title: The direct injection system of the 2001 Audi turbo V8 Le Mans engines
2002-01-3359	Title: Demands on Formula One engines and subsequent development strategies
2002-01-3362	Title: Durability aspects of turbocharged versus naturally aspirated racing engines
942474	Title: A feasibility study of the Ford 4.6L, 4-valve modular, V8 engine for use in road racing applications
942476	Title: Dynamometer testing of a Formula 1 engine: the equipment, procedures and problems
942477	Title: What is limiting your engine air flow: using normalized steady air flow bench data
942478	Title: Acceleration test method for a high-performance, two-stroke racing engine
942486	Title: Chaos analysis on in-cylinder pressure measurements
942487	Title: Cylinder-pressure-based combustion analysis in race engines
942488	Title: Optimizing race engine performance one cylinder at a time
942492	Title: Race car performance optimization
942500	Title: Rotary valve system for a four-cycle, G-Kart racing engine
942501	Title: Optimal rocker arm design in high-speed, internal combustion engines
942502	Title: Optimal design of high-speed, valve train systems
942503	Title: Torsional vibration analysis of belt-driven camshafts in a high-speed IC engine
942515	Title: A detailed investigation of exhaust system design in high-performance, two-stroke engines
942516	Title: Optimization of a 125cc., racing 2-S engine based on modeling and testing
	Title: The design considerations, design methodology and materials of the Lamborghini 3.5L Formula 1 engine crankshaft
942517	
942518	Title: Piston and piston ring design and development for the Formula 1 engine
942528	Title: Evaluation of reed valves in high-performance, two-stroke engines
942529	Title: Turbocharged, spark ignition, two-stroke engine

942531	Title: An analysis of the probable effects of engine geometry on the inlet pipe pressure, flow and engine volumetric efficiency
942532	Title: Design of a land-speed record motorcycle engine
942533	Title: Numerical study of volumetric efficiencies in a high-speed, four valve, four cylinder, spark ignition engine Title: Numerical correlation of combustion evolution and port and combustion chamber shape in a high-speed, four-valve, spark ignition engine
942534	
962499	Title: Impact of accelerative forces on performance in race engines with wet-fuel manifolds
962500	Title: Alternative performance turbocharger bearing design
962501	Title: Advanced numerical simulation techniques for fatigue and NVH optimization of motorsport engines
962502	Title: Abrasive flow machining of cylinder heads and its positive effects on performance and cost characteristics
962513	Title: Camshaft timing drive analysis for a Winston Cup race engine
962514	Title: Computer optimization of camshaft lift profiles for a NASCAR V-8 engine with restrictor plate
962525	Title: Optimizing internal combustion engine performance through response surface methodology
962526	Title: Experimental and computational analysis of a high-performance motorcycle engine
962527	Title: Relationship between discharge coefficients and accuracy of engine simulation
962534	Title: Coefficients of discharge in high performance two-stroke engines
962535	Title: Cylinder pressure analysis in high performance two-stroke engines
962542	Title: Numerical optimization of a racing engine with variable intake and exhaust geometry and valve actuation
962543	Title: An analysis of the output of the 1993 3.5L Chrysler-Lamborghini CL-01 Formula 1 engine
962544	Title: The Chrysler/Lamborghini 3.5L Formula One engine: control system development and calibration methodology Title: Beyond rapid prototyping—A seamless transition from CAD to manufacturing of functional metal parts with complex geometry
962550	
983024	Title: The optimization of the coolant system flow in a NASCAR Winston cup engine
983026	Title: Engine knock, a renewed concern in motorsports—A literature review
983035	Title: Comparision of V10 and V12 F1 engines
983036	Title: Comparison between V12 and W12 F1 engines
983037	Title: IRL Aurora V8 design and development
983046	Title: Empiricism and simulation in the design of the high performance four-stroke engine
983047	Title: Reconstruction of Formula 1 engine instantaneous speed by acoustic emission analysis
983048	Title: Simulation of a high performance turbocharged S.I. engine

983071	Title: Design and development of an 850 cc single crankshaft V-4 two-stroke engine for SCCA D-sports racing
983072	Title: Measurement of exhaust gas temperatures in a high performance two-stroke engine
983078	Title: Synthesis of a Formula SAE engine
Powertrain and Fluid Systems Conference and Exhibition	
2002-01-2655	Title: Stratified mixture formation and piston surface wetting in a DISI engine
2002-01-2656	Title: Fuel-air mixing homogeneity and performance improvements of a stratified-charge DISI combustion system
2002-01-2657	Title: Dynamometer development results for a stratified-charge DISI combustion system
	Title: Fuel economy and engine-out emissions from a single- cylinder, two-valve, direct-injection S.I. engine operating in the stratified-combustion regime
2002-01-2658	Title: A study of injector deposits, combustion chamber deposits (CCD) and intake valve deposits (IVD) in direct injection spark ignition (DISI) engines
2002-01-2659	
2002-01-2660	Title: Reducing deposits in a DISI engine
2002-01-2661	Title: Flash-boiling effects on the development of gasoline direct-injection engine sprays
2002-01-2662	Title: An analysis of ambient air entrainment into split injection D.I. gasoline spray by LIF-PIV technique
2002-01-2663	Title: Transient simulation of DGI engine injector with needle movement
2002-01-2664	Title: Visualization and analysis of spray impingement under cross-flow conditions
2002-01-2674	Title: Electrical contact resistance bench wear testing: Comparison with engine test results
2002-01-2675	Title: Use of virtual tests in establishing BOI/VGRA
2002-01-2676	Title: The single technology matrix process for base oil interchange
2002-01-2677	Title: The role of engine oil formulations on fluid diagnostics
2002-01-2685	Title: Effect of fuel humidity on the performance of a single- cylinder research engine operating on hydrogen
2002-01-2686	Title: Hydrogen addition for improved lean-burn capability of slow- and fast-burning natural gas combustion chambers
2002-01-2687	Title: Emissions from hydrogen-enriched CNG production engines
2002-01-2694	Title: Cycle-resolved computations of compressible flow in engine
2002-01-2695	Title: Predictions of transient fuel spray phenomena in the intake port of a SI engine
2002-01-2697	Title: Experimental and numerical study of spray generated by a high-pressure gasoline swirl injector
2002-01-2699	Title: The influence of nitric oxide on the occurrence of autoignition in the end gas of spark ignition engines
2002-01-2701	Title: Development and validation of a knock model in spark ignition engines using a CFD code

2002-01-2707	Title: The study of the effects of nonthermal plasma- photocatalyst combined reactor on hydrocarbon decomposition and reduction during cold start and warm-up in a SI ENGINE
2002-01-2710	Title: Improvement of repeatability in tailpipe emission measurement with direct injection spark ignition (DISI) vehicles
2002-01-2732	Title: Initial flame propagation stabilized by the analysis of G-equation
2002-01-2733	Title: Simple modelling of combustion for natural gas engines
2002-01-2734	Title: Modelling the effects of combustion variability for application to idle speed control in SI engines
2002-01-2736	Title: Modelling of engine cyclic variation by a thermodynamic model
2002-01-2738	Title: Estimation of the stoichiometric air-fuel ratio in liquefied petroleum gas-injected engines
2002-01-2745	Title: The effects of engine speed and injection pressure transients on gasoline direct injection engine cold start
2002-01-2746	Title: Soft spray formation of a low-pressure, high-turbulence fuel injector for direct-injection gasoline engines
2002-01-2747	Title: Some concepts of DISI engine for high fuel efficiency and low emissions
2002-01-2751	Title: LIF characterization of intake valve fuel films during cold start in a PFI engine
2002-01-2752	Title: Experimental investigation of changing fuel path dynamics in twin-independent variable camshaft timing engines
2002-01-2754	Title: Experimental study of a hybrid electrohydrodynamic, air- assisted liquid atomizer
2002-01-2755	Title: The SAE Clean Snowmobile Challenge 2002—Summary and results
2002-01-2756	Title: Refining the University of Idaho clean snowmobile
2002-01-2757	Title: Kettering University's design of an automotive-based, four-stroke-powered clean snowmobile
2002-01-2758	Title: Colorado State University Clean Snowmobile Challenge 2002
2002-01-2759	Title: Reducing the emissions and noise of a turbocharged, four-stroke snowmobile
2002-01-2760	Title: The University of Alberta four-stroke Ski-Doo MXZ-X conversion Title: Design and testing of single-cylinder, turbocharged, four-stroke snowmobile with E.F.I. and catalytic exhaust treatment
2002-01-2761	
2002-01-2762	Title: Development solutions to a cleaner, quieter, two-stroke snowmobile
2002-01-2763	Title: A clean, quiet, environmentally friendly snowmobile Title: Thorough analysis of a two-stroke cycle engine versus a four-stroke cycle engine: Minnesota State University, Mankato's entry for the SAE Clean Snowmobile Challenge 2002
2002-01-2764	
2002-01-2765	Title: Noise data from snowmobile pass-bys: The significance of frequency content
2002-01-2802	Title: A simulation model for gasoline engine cold-start fuel calibration
2002-01-2804	Title: Spark ignition engine hydrocarbon emissions behaviors in stopping and restarting
2002-01-2805	Title: Mixture preparation and hydrocarbon emissions behaviors in the first cycle of SI engine cranking

2002-01-2806	Title: Influence of atomization quality on mixture formation, combustion and emissions in a MPI-engine under cold-start conditions—Part II
2002-01-2807	Title: Influence of atomization quality on mixture formation, combustion and emissions in a MPI-engine under cold-start conditions—Part I
2002-01-2809	Title: Technological evaluation of fuel efficiency improvement concepts to meet future regulatory requirements in the North American market
2002-01-2812	Title: Application of oxide aluminum-chrome carbide coatings in automotive engines
2002-01-2815	Title: The new DaimlerChrysler Corporation 5.7L HEMI®V8 engine
2002-01-2816	Title: The New DaimlerChrysler 5.7L HEMI V-8 engine: Design and advanced simulation techniques
2002-01-2817	Title: A developing process of newly developed electromagnetic valve actuator—Effect of design and operating parameters
2002-01-2831	Title: On the nature of autoignition leading to knock in HCCI engines
2002-01-2832	Title: Development of a gasoline engine system using HCCI technology—The concept and the test results
2002-01-2833	Title: Combustion chamber deposit flaking—Studies using a road test procedure
2002-01-2834	Title: A comparison of the effects of additives on spark- ignited combustion in a laminar flow system and in an engine under cold-start conditions
2002-01-2835	Title: A physical solution to engine knock
2002-01-2837	Title: A new methodology to analyze cycle-to-cycle aerodynamic variations
2002-01-2838	Title: Combustion diagnostics of a spark ignition engine using a spark plug as an ion probe
2002-01-2839	Title: Automotive ignition transfer efficiency
2002-01-2841	Title: Turbulence properties of high- and low-swirl in-cylinder flows
2002-01-2842	Title: Turbulent burning velocities of outwardly propagating flames
2002-01-2843	Title: Mechanism of combined combustion of premixed gas and droplets
2002-01-2844	Title: A study of LPG lean burn for a small SI engine
2002-01-2845	Title: Performance, fuel economy, and emissions optimization for a 2.2L multipoint fuel injection gasoline engine
2002-01-2846	Title: A new experimental method for determining port-generated swirl flow
2002-01-2858	Title: HCCI combustion phasing in a multi-cylinder engine using variable compression ratio
2002-01-2859	Title: Characterization of pressure waves in HCCI combustion
2002-01-2861	Title: The effect of POx on the autoignition chemistry of n- heptane and isooctane in an HCCI engine
2002-01-2862	Title: Simulation of HCCI—Addressing compression ratio and turbocharging
2002-01-2864	Title: The effect of in-cylinder flow and turbulence on HCCI operation
2002-01-2869	Title: Piston-liner crevice geometry effect on HCCI combustion by multi-zone analysis

2002-01-2870	Title: A computer-generated reduced iso-octane chemical kinetic mechanism applied to simulation of HCCI combustion
2002-01-2899	Title: Development of the unburned exhaust gas ignition (UEGI) technology to achieve fast light-off of catalysts and emissions reduction
2002-01-2902	Title: Development of piston friction force measurement system
2003-01-3090	Title: Injector durability and emissions from liquid LPG port-injected spark ignition engine
2003-01-3093	Title: Engine cycle simulation of ethanol and gasoline blends
2003-01-3100	Title: Numerical study of the effects of droplet size distribution on fuel transport and air-fuel mixing in a gasoline direct-injection engine
2003-01-3101	Title: Contributors to the fuel economy advantage of DISI engines over PFI engines
2003-01-3102	Title: Experimental investigation into the liquid sheet break-up of high-pressure DISI swirl atomizers
2003-01-3103	Title: Modelling of air-fuel mixing in a two-stroke direct injection engine
2003-01-3104	Title: In-cylinder tumble flow characteristics and implications for fuel/air mixing in direct injection gasoline engines
2003-01-3105	Title: Development and analysis of a spray-guided DISI combustion system concept
2003-01-3108	Title: Gasoline injection and spray combustion in a cell with conditions typical of direct injection engines
2003-01-3116	Title: New family of 1.1-liter/cylinder structural/agricultural engines with high-pressure, common-rail injection
2003-01-3117	Title: Advance noise path analysis, a robust engine mount optimization tool
2003-01-3122	Title: Knock modelling: An integrated tool for detailed chemistry and engine cycle simulation
2003-01-3123	Title: Optimizing engine concepts by using a simple model for knock prediction
2003-01-3124	Title: Simulation of a turbocharged SI-engine with two software and comparison with measured data
2003-01-3125	Title: The analysis of observed burn rates in a spark-ignition engine and the relation to fuel properties
2003-01-3126	Title: Modelling transient fuel effects with variable cam timing
2003-01-3127	Title: A transient, multi-cylinder engine model using Modelica
2003-01-3128	Title: Integration of 3D combustion simulations and conjugate heat transfer analysis to quantitatively evaluate component temperatures
2003-01-3134	Title: Influence of the intake system design on a small spark-ignition engine performance—A theoretical analysis
2003-01-3135	Title: Impact of railplug circuit parameters on energy deposition and durability
2003-01-3136	Title: Prediction tool for the ion current in SI combustion
2003-01-3138	Title: Model for kinetic formation of CO emissions in internal combustion engines
2003-01-3148	Title: Determination of residual gas fraction in IC engines
2003-01-3149	Title: Inaudible knock and partial-burn detection using in-cylinder ionization signal

2003-01-3151	Title: In-nozzle and spray diagnostic techniques for real-sized pressure swirl and plain orifice gasoline direct injectors
2003-01-3152	Title: Optical investigations in stratified gasoline combustion systems with central injector position leading to optimized spark locations for different injector designs
2003-01-3161	Title: Characterization of mixture formation processes in DI gasoline engine sprays with split injection strategy via laser absorption and scattering (LAS) technique
2003-01-3162	Title: A study of injector deposits, combustion chamber deposits (CCD) and intake valve deposits (IVD) in direct injection spark ignition (DISI) engines II
2003-01-3163	Title: Fuel injection pressure effects on the cold-start performance OF a GDI engine
2003-01-3164	Title: Formation of fuel mixture in a SI two-stroke engine with direct pneumatic injection
2003-01-3185	Title: Measurement of laminar burning velocity of multi-component fuel blends for use in high-performance si engines
2003-01-3186	Title: Fuel effects on SIDI efficiency and emissions
2003-01-3202	Title: Direct measurement of powertrain component efficiencies for a light-duty vehicle with a CVT operating over a driving cycle
2003-01-3208	Title: Statistical process control and design of experiment process improvement methods for the powertrain laboratory
2003-01-3209	Title: Supercharging Ford's 4.6L for affordable performance
2003-01-3211	Title: Novel two-stroke engine concept, feasibility study
2003-01-3213	Title: A study on a spark plug for charging of stratified mixture in a local area
2003-01-3214	Title: Supercharging HCCI to extend the operating range in a multi-cylinder VCR-HCCI engine
2003-01-3216	Title: Ion current sensing for HCCI combustion feedback
2003-01-3229	Title: Autoignition model optimized based on simple artificial brain
2003-01-3236	Title: PLIF measurements of fuel distribution in a PFI engine under cold-start conditions
2003-01-3237	Title: Effects of substantial spark retard on SI engine combustion and hydrocarbon emissions
2003-01-3259	Title: Engine knock toughness improvement through water jacket optimization
2003-01-3266	Title: MBT timing detection and its closed-loop control using in- cylinder pressure signal
2003-01-3279	Title: Saving petroleum with cost-effective hybrids
SAE 2000 World Congress	
2000-01-0026	Title: Active noise cancellation in future air intake systems
2000-01-0027	Title: Requirements to noise reduction concepts and parts in future engine compartments
2000-01-0028	Title: Air flow noise of plastic air intake manifolds
2000-01-0036	Title: Dynamic characteristics of cylindrical hydraulic engine mounts with simple construction utilizing air compressibility

2000-01-0040	Title: General guidelines for improving burst pressure strength of welded nylon air intake manifolds
2000-01-0041	Title: Development of plastic intake manifold by DRI process
2000-01-0043	Title: Establishing thermoplastic cam cover capability in North American market
2000-01-0044	Title: The reduction of air-rush noise in plastic engine intake manifolds
2000-01-0061	Title: Manufacturing feasibility of all-aluminum automotive engines via application of high silicon aluminum alloy
2000-01-0063	Title: Development of a hard surfacing process for the inner bores of aluminum engines
2000-01-0123	Title: An approach on modeling for functional development of automobile
2000-01-0177	Title: Objective evaluation of exciting engine sound in passenger compartment during acceleration
2000-01-0192	Title: Aspects of laminar and turbulent burning velocity relevant to SI engines
2000-01-0195	Title: The phenomena of flame propagation in a cylindrical combustion chamber with a swirling mixture
2000-01-0196	Title: Bi-modal combustion chamber for a stratified charge engine
2000-01-0199	Title: Performance of a flame jet ignition system in a two-stroke engine
2000-01-0201	Title: A semi-empirical model of spark-ignited turbulent flame growth
2000-01-0237	Title: End-gas temperature measurements in a DOHC spark-ignition engine using CARS
2000-01-0240	Title: Measurement of fuel distribution in the piston cavity of direct injection SI engine by using LIF
2000-01-0242	Title: A visualization study of liquid fuel distribution and combustion inside a port-injected gasoline engine under different start conditions
2000-01-0243	Title: Multicomponent liquid and vapor fuel distribution measurements in the cylinder of a port-injected, spark-ignition engine
2000-01-0246	Title: Cyclic variability of large-scale turbulent structures in directed and undirected IC engine flows
2000-01-0247	Title: Prediction of tumble speed in the cylinder of the 4-valve, spark-ignition engines
2000-01-0248	Title: Gasoline direct injection—A promising engine concept for future demands
2000-01-0249	Title: Technology assessment of boosted direct-injection, stratified-charge gasoline engines
2000-01-0250	Title: Effect of compression ratio on the combustion of a pressure-charged, gasoline direct-injection engine
2000-01-0251	Title: Turbocharging the DI gasoline engine
2000-01-0252	Title: Optical investigation of knocking location on S.I. engines with direct-injection
2000-01-0256	Title: Fundamental characteristics of an air-assisted, direct-injection combustion system as applied to 4-stroke automotive gasoline engines
2000-01-0257	Title: Development of a charge motion controlled combustion system for DI SI engines and its vehicle application for EU-4 emission regulations
2000-01-0259	Title: Modification of the injection map of a motor of port fuel injection, four times, with arrangement to the European drive cycle

2000-01-0261	Title: Nonlinear model-based throttle control
2000-01-0262	Title: Determination of a nonlinear, unified and robust individual cylinder air fuel ratio estimator
2000-01-0271	Title: A spray/wall interaction submodel for the KIVA-3 wall film model
2000-01-0273	Title: Numerical modeling of fuel sprays in DISI engines under early-injection operating conditions
2000-01-0275	Title: A turbulent combustion model for a stratified charged, spark ignited internal combustion engine
2000-01-0292	Title: Modeling and simulation of a cooling system using multiport approach
2000-01-0294	Title: CFD simulation by automatically generated tetrahedral and prismatic cells for engine intake duct and coolant flow in three days.
2000-01-0364	Title: Simplified engine combustion diagnostics using "synthetic" variables
2000-01-0366	Title: A time-domain-based diagnostic system for misfire detection in spark- ignition engines by exhaust-gas pressure analysis
2000-01-0367	Title: Misfire detection on S.I. engines, by instantaneous torque analysis
2000-01-0394	Title: High wear and heat resistant P/M valve guides
2000-01-0395	Title: Self-lubrication type P/M materials for the lead-free valve seat
2000-01-0396	Title: New copper alloy powder for laser-clad valve seat used in aluminum cylinder heads
2000-01-0397	Title: Assembled camshaft with sintered cam lobes: Torsional fatigue strength and wear performance
2000-01-0398	Title: An extraordinary rotor pump
2000-01-0402	Title: Evaluation of press & sinter connecting rods with warm compaction process
2000-01-0403	Title: Performance of high-density p/m connecting rods
2000-01-0531	Title: Application of a new combustion concept to direct-injection gasoline engine
2000-01-0532	Title: Enhanced mixture preparation approach for lean stratified SI combustion by a combined use of GDI and electronically controlled valve-timing.
2000-01-0533	Title: Effects of swirl and tumble on in-cylinder fuel distribution in a central injected DISI engine
2000-01-0534	Title: Characteristics of mixture formation and combustion in a spray-guided concept gasoline direct-injection engine: An experimental and numerical approach
2000-01-0538	Title: Application of optical techniques to the study of mixture preparation in direct injection gasoline engines and validation of a CFD model.
2000-01-0544	Title: Momentary engine speed signal measurement: Noise analysis and compensation
2000-01-0545	Title: Unconventional approach to achieving a default throttle position
2000-01-0548	Title: Calorimetric characterization of commercial ignition systems
2000-01-0549	Title: Investigation of misfire nature using optical combustion sensor in a SI automotive engine
2000-01-0552	Title: Ion sensing for combustion stability control of a spark-ignited, direct- injected engine
2000-01-0559	Title: Crankangle-based torque estimation: Mechanistic/stochastic
2000-01-0560	Title: Torque estimation and misfire detection using block angular acceleration

2000-01-0561	Title: An universally applicable thermodynamic method for T.D.C. determination
2000-01-0562	Title: A valvetrain design analysis tool with multiple functionality
2000-01-0564	Title: Engine valve temperature simulation system
2000-01-0565	Title: Performance scaling of spark-ignition engines: Correlation and historical analysis of production engine data
2000-01-0566	Title: Optimization of a four-stroke engine by means of experimental and 1-D numerical analysis
2000-01-0567	Title: Control-oriented modeling of a pressure wave supercharger
2000-01-0569	Title: Modeling the effect of plenum-runner interface geometry on the flow through an inlet system
2000-01-0570	Title: On the flow modeling through the valve assembly in engine cycle simulations
2000-01-0591	Title: Development of a dedicated ethanol (E-85)-powered Chevrolet Silverado for the 1999 Ethanol Vehicle Challenge
2000-01-0599	Title: Optimization of an engine cradle in frequency domain
2000-01-0601	Title: A study on the balancing of the three-cylinder engine with balance shaft
2000-01-0613	Title: Development of supercarburized tappet shim to improve fuel economy
2000-01-0648	Title: Aspects of mixture formation and combustion in GDI engines
2000-01-0649	Title: Combustion in spark ignition engines with direct injection
2000-01-0650	Title: Strategies for future engine combustion systems—Homogeneous or stratified charge
2000-01-0656	Title: Modeling of the interaction of intake flow and fuel spray in DISI engines
2000-01-0658	Title: Using 1-D and 3-D models for the simulation of gas exchange processes
2000-01-0659	Title: Modeling the time-dependent flow through a throttle valve
2000-01-0668	Title: Second generation of high-response V6 Engine series (3.0 and 3.5 liters)
2000-01-0669	Title: Similarity rules and parametric design of race engines
2000-01-0670	Title: Development of the high-power, low-emission engine for the "Honda S2000"
2000-01-0671	Title: Development of the high-speed 2ZZ-GE engine
2000-01-0672	Title: AVL Spectros - A concept for lightweight modular engine design
2000-01-0864	Title: An integrated powertrain (IPT) model—Stage one
2000-01-0896	Title: Low emission technologies for high-performance handheld outdoor products
2000-01-0900	Title: Analysis of a stratified charging concept for high-performance, two-stroke engines
2000-01-0903	Title: Scavenging flow optimization of two-stroke diesel engine by use of CFD
2000-01-0904	Title: Techniques for manufacturing and coating liners of small engines
2000-01-0905	Title: Development of P/M titanium Engine valves
2000-01-0909	Title: Dynamic analysis of a 3D finger follower valve train system coupled with flexible camshafts
2000-01-0922	Title: The effect of crankshaft offset on piston friction force in a gasoline engine
2000-01-0923	Title: Long-term testing of Base Resistant Elastomers (BRE) suitable for power cylinder systems

2000-01-0928	Title: Combustion-pressure-based engine management system
2000-01-0929	Title: Approximation and control of the engine torque using neural networks
2000-01-0930	Title: In-cylinder pressure estimation from structure-borne sound
2000-01-0932	Title: Cylinder-pressure-based engine control using pressure- ratio-management and low-cost non-intrusive cylinder pressure sensors
2000-01-0933	Title: Closed-loop control of spark advance and air-fuel ratio in SI engines using cylinder pressure
2000-01-0934	Title: Engine/powertrain/vehicle modeling tool applicable to all stages of the design process
2000-01-0935	Title: Identification and validation of an air mass flow predictor using a nonlinear stochastic state representation
2000-01-0937	Title: Entropy generation in flow restrictions: Modeling and identification for engine control
2000-01-0938	Title: A computer code for S.I. engine control and powertrain simulation
2000-01-0939	Title: An engine coolant temperature model and application for cooling system diagnosis
2000-01-0952	Title: Operating characteristics of a spark-ignition engines using the second law of thermodynamics: Effects of speed and load
2000-01-0953	Title: A technique for estimating completeness of combustion and its use in modeling cycle-by-cycle variations in combustion
2000-01-0956	Title: Heat release regressions for GDI engines
2000-01-0958	Title: A model for the estimation of inducted air mass and the residual gas fraction using cylinder pressure measurements
2000-01-0960	Title: A modeling and experimental study of initial flame kernel development and propagation in SI engines
2000-01-0961	Title: Use of multizone combustion models to analyze and predict the effect of cyclic variations on SI engines
2000-01-0965	Title: Engine thermal management with electric cooling pump
2000-01-0968	Title: FEA computations applied to engine cooling fans
2000-01-0999	Title: Application of sinter-hardenable materials for advanced automotive applications such as gears, cams, and sprockets
2000-01-1019	Title: IC-engine downsizing and pressure-wave supercharging for fuel economy
2000-01-1022	Title: An analysis of the parallel combustion two-stroke engine
2000-01-1042	Title: Concept of interactive development of a GDI system with high-pressure modulation
2000-01-1043	Title: Analysis method for the spray characteristics of a GDI system with high pressure modulation
2000-01-1045	Title: A study on fuel spray pattern control of fuel injector of gasoline direct injection engines
2000-01-1081	Title: A review of investigations using the second law of thermodynamics to study internal-combustion engines

2000-01-1084	Title: Prediction of heat transfer to the walls for autoignition-related situations in SI engines
2000-01-1086	Title: A standard method for measuring fuel system pulse damper attenuation
2000-01-1087	Title: Twice Electronic Fuel Injection (TEFI)—A new idea of lean combustion in S.I. engines
2000-01-1088	Title: A stochastic model of the fuel injection of the SI engine
2000-01-1207	Title: Cyclic variations of initial flame kernel growth in a Honda VTEC-E lean-burn spark-ignition engine
2000-01-1210	Title: A study of the effects of spark plug electrode design on 4-cycle spark-ignition engine performance
	Title: Application of a new technique for the evaluation of cycle-by-cycle variation of completeness of combustion to changes of compression ratio
2000-01-1213	
2000-01-1214	Title: Temperature and heat flux measurements in a spark-ignition engine
2000-01-1221	Title: Design and development of a mechanical variable valve actuation system
	Title: Variation of both symmetric and asymmetric valve events on a 4-valve SI engine and the effects on emissions and fuel economy
2000-01-1222	
2000-01-1223	Title: Benefits of the electromechanical valve train in vehicle operation
2000-01-1224	Title: Application of a variable valve event and timing system to automotive engines
2000-01-1227	Title: The third generation of valvetrains—New fully variable valvetrains for throttle-free load control
2000-01-1231	Title: MMC all-aluminum cylinder block for high-power SI engines
2000-01-1238	Title: Thermal stresses induced by knocking combustion in spark-ignition engines
	Title: Estimating the air/fuel ratio from Gaussian parameterizations of the ionization currents in internal combustion SI engines
2000-01-1245	
2000-01-1246	Title: Adaptive air-fuel ratio control of an SI engine using fuzzy logic parameters evaluation
2000-01-1247	Title: On-line working neural estimator of SI engines operational parameters
2000-01-1248	Title: Hybrid air/fuel ratio control using the adaptive estimation and neural network
2000-01-1260	Title: A nonlinear wall-wetting model for the complete operating region of a sequential fuel-injected SI engine
2000-01-1261	Title: On the validity of mean value engine models during transient operation
2000-01-1262	Title: A neuro-fuzzy-based method for the design of combustion engine dynamometer experiments
	Title: Quasi-dimensional and CFD modeling of turbulent and chemical flame enhancement in an ultra-lean-burn S.I. engine
2000-01-1263	
2000-01-1264	Title: Comprehensive charge-cooler model for simulating gas dynamics in engine manifolds
2000-01-1266	Title: A contribution to engine and vehicle performance prediction
2000-01-1282	Title: Piston design flexibility enhanced by new manufacturing technology using "smart" material
2000-01-1330	Title: Coriolis fuel meter—A modern and reliable approach to continuous and accurate fuel consumption measurement
2000-01-1338	Title: A study of microgrooved bearing performance by using numerical analysis

2000-01-1339	Title: Hybrid ceramic ball bearings for turbochargers
2000-01-1340	Title: A method to determine the two components of the crankshaft load on a bearing cap in firing engines
2000-01-1341	Title: Measured crankshaft bearing oil flow and temperatures with a full and partial groove main bearing
2000-01-1377	Title: Misfire detection from ionization feedback utilizing the SmartFire® plasma ignition technology
SAE 2001 World Congress	
2001-01-0038	Title: Co-simulation: Developing a virtual vehicle modeling capability
2001-01-0058	Title: A study of evaluating the real-time property for engine control software
2001-01-0221	Title: Cold start impact on vehicle energy use
2001-01-0239	Title: Power stage partitioning for E-Valve applications
2001-01-0240	Title: Meta-CVD system—An electro-mechanical cylinder and valve deactivation system
2001-01-0241	Title: Single-cylinder engine tests of a motor-driven, variable-valve actuator
2001-01-0243	Title: A study of a continuous variable valve event and lift (VEL) system
2001-01-0245	Title: VarioCam Plus—A highlight of the Porsche 911 turbo engine
2001-01-0247	Title: Intake and exhaust systems equipped with a variable valve control device for enhancing of engine power
2001-01-0248	Title: A keynote on future combustion engines
2001-01-0249	Title: Particularities of combustion in direct injection spark ignition engines
2001-01-0251	Title: Controlled combustion in an IC-engine with a fully variable valve train
2001-01-0252	Title: Combustion characteristics of H ₂ -CO-CO ₂ mixture in an IC engine
2001-01-0253	Title: Numerical modeling for auto-ignition and combustion processes of fuel sprays in high-pressure environment
2001-01-0257	Title: Controlling cyclic combustion variations in lean-fueled spark-ignition engines
2001-01-0258	Title: IC engines for 100 miles/gallon cars
2001-01-0259	Title: Eliminating maps from engine fueling control algorithms
2001-01-0260	Title: A production wide-range AFR control algorithm for direct-injection gasoline application
2001-01-0261	Title: Active damping of engine idle speed oscillation by applying adaptive PID control
2001-01-0262	Title: Air-to-cylinder observer on a turbocharged SI engine with wastegate
2001-01-0263	Title: High performance idle speed control applying the sliding mode control with H _∞ robust hyperplane
2001-01-0264	Title: Secondary O ₂ feedback using prediction and identification sliding mode control—Second report
2001-01-0266	Title: Further development of an Ion Current Combustion Control System (ICCS)
2001-01-0267	Title: A new approach for a multi-fuel, torque-based ECU concept using automatic code generation
2001-01-0268	Title: Preparing for CARTRONIC—Interface and new strategies for torque coordination and conversion in a spark ignition engine-management system

2001-01-0269	Title: An approach to torque-based engine management systems
2001-01-0279	Title: Design and implementation of a new generation of turbo charger test benches using hot gas technology
2001-01-0326	Title: Saturn engine stop-start system with an automatic transmission
2001-01-0327	Title: Newly developed AZ series engine
2001-01-0330	Title: DaimlerChrysler's new 1.6l, multi-valve 4-cylinder engine series
2001-01-0331	Title: General Motors Corporation powertrain's new VORTEC 4200 inline 6 engine
2001-01-0332	Title: Engine control using intake, combustion and transmission models
2001-01-0334	Title: Feasibility of detailed vehicle modeling
2001-01-0347	Title: Advances in high-performance PM alloys for automotive applications
2001-01-0348	Title: Nondestructive measures of structural integrity in powder metal parts using resonance—Case study
2001-01-0349	Title: Metal injection-molded components in automotive applications
2001-01-0365	Title: Performance comparison between chain and belt cam-drive systems
2001-01-0366	Title: IAV's steam engine—A unique approach to fulfill emission levels from SULEV to ZEV
2001-01-0367	Title: Mechanical performance of v-ribbed belt drives (theoretical modeling)
2001-01-0368	Title: Research on adaptation of pressure wave supercharger (PWS) to gasoline engine
2001-01-0369	Title: Approximation of IC engine valve acceleration from proximity probe displacement data
2001-01-0371	Title: Development of a new air cleaner filter
2001-01-0395	Title: P/M high-speed steels for valve seat insert application
2001-01-0396	Title: The development of sintered materials containing dispersed die steel hard particles for intake valve seat inserts
2001-01-0403	Title: Impact of decarburization on the fatigue life of powder metal-forged connecting rods
2001-01-0404	Title: Newly developed P/M materials to replace malleable and ductile cast irons
2001-01-0405	Title: Successes in transportation casting designs
2001-01-0408	Title: An ADI crankshaft designed for high performance in TVR's Tuscan Speed Six sports car
2001-01-0410	Title: DHT alloys: New self-lubricating, wear and gall resistant, high-strength aluminum alloys
2001-01-0422	Title: Development of creep-resistant magnesium alloys for powertrain applications: Part 1 of 2 Title: Tensile creep and microstructure of magnesium-aluminum-calcium-based alloys for powertrain applications—Part 2 of 2
2001-01-0423	Title: Heat resistant magnesium alloys for powertrain applications
2001-01-0424	Title: Bolt-load retention behavior of a die cast magnesium-rare earth alloy
2001-01-0425	Title: Optimizing mechanical performance of injection molded multiple gated rotating thermoplastic components: Part 1—Consideration of structural analysis and knit line effects
2001-01-0438	

2001-01-0439	Title: Optimizing mechanical performance of injection molded multiple gated rotating thermoplastic components: Part 2—Knit line/weld inter-phase integrity
2001-01-0548	Title: High-energy spark-flow coupling in an IC engine for ultra-lean and high EGR mixtures
2001-01-0550	Title: Mixing control and combustion in gasoline direct injection engines for reducing cold-start emissions
2001-01-0552	Title: Fuel evaporation parameter identification during SI cold start
2001-01-0553	Title: Dynamic EGR estimation for production engine control
2001-01-0554	Title: A model-based environment for production Engine Management System (EMS) development
2001-01-0556	Title: On-board optimization of driveability character depending on driver style by using a new closed loop approach
2001-01-0557	Title: Object-oriented modeling of intake air flow control system
2001-01-0558	Title: A production wide-range AFR sensor response diagnostic algorithm for direct- injection gasoline application
2001-01-0559	Title: OBD engine fault detection using a neural approach
2001-01-0561	Title: Information-based selection of neural networks training data for S.I. engine mapping
2001-01-0562	Title: On-line state prediction of engines based on fast neural network
2001-01-0569	Title: Analytical and empirical methods for optimization of cylinder liner bore distortion
2001-01-0571	Title: Contact pressure distribution of piston rings—Calculation based on piston ring contour
2001-01-0576	Title: The design of turbocharged engines using 1D simulation
2001-01-0578	Title: Computer simulation of a four-stroke spark ignition engine
2001-01-0581	Title: Air charge estimation in camless engines
2001-01-0608	Title: Influence of nozzle geometry on spray atomization and shape for port fuel injector
2001-01-0609	Title: Implementation of fuel film compensation algorithm on the Lamborghini Diablo 6.0 engine
2001-01-0610	Title: Stratification of in-cylinder mixture distributions by tuned port injection in a 4-valve SI gas engine
2001-01-0637	Title: An integrated process of CFD analysis and design optimization with underhood thermal application
2001-01-0658	Title: Innovative secondary air injection systems
2001-01-0661	Title: Finite element simulation and experimental validation of V-ribbed belt tracking
2001-01-0663	Title: Air management flap with integrated electrical actuator
2001-01-0665	Title: Secondary air charger—High integrated secondary air system for intake manifolds
2001-01-0666	Title: Twin turbo strategy operation
2001-01-0667	Title: Thermodynamic analysis of variable valve timing influence on SI engine efficiency
2001-01-0668	Title: Efficient layout and calibration of variable valve trains
2001-01-0669	Title: Characterization of the dynamic response of a cylinder deactivation valvetrain system
2001-01-0670	Title: A theoretical comparison of various VVA systems for performance and emission improvements of SI engines

2001-01-0671	Title: Variable valve—Control systems for spark ignition engine
2001-01-0675	Title: Automated safety critical software development for distributed control systems: A COTS approach
2001-01-0676	Title: FlexRay—The communication system for advanced automotive control systems
2001-01-0700	Title: Integration of fluid flow modeling in the vehicles Renault development process
2001-01-0728	Title: Belt-driven starter-generator for future 42-volt systems
2001-01-0729	Title: Development of vapor reducing fuel tank system
2001-01-0734	Title: A study of stratified charge combustion characteristics in new concept direct injection SI gasoline engine
2001-01-0735	Title: Vehicle application of a 4-cylinder tumble DISI engine
2001-01-0736	Title: Turbocharging a gasoline direct injection engine
2001-01-0776	Title: Battery simulation
2001-01-0777	Title: A verification study for cam phaser position control using robust engineering techniques
2001-01-0849	Title: Optimizing the General Motors Corporation 4.3L rocker cover assembly material testing and finite element analysis
2001-01-0877	Title: Engine control strategy to optimize a shift transient during clutch engagement
2001-01-0878	Title: Ford's PRODIGY hybrid electric vehicle powertrain weight reduction actions
2001-01-0913	Title: A study of crevice flow in a gas engine using laser-induced fluorescence
2001-01-0916	Title: Quantification of fuel concentrations and estimation of liquid/vapor ratios in direct-injection gasoline sprays by laser-induced fluorescence
2001-01-0938	Title: An Integrated Powertrain (IPT) model—Stage 2: Systems integration, supervisory control and simulation of emissions control technology
2001-01-0939	Title: 1D unsteady flows with chemical reactions in the exhaust duct-system of S.I. engines: Predictions and experiments
2001-01-0951	Title: Evaluating commercial and prototype HEVs
2001-01-0958	Title: Power semiconductors for starter-alternator systems
2001-01-0959	Title: A review of cell equalization methods for lithium ion and lithium polymer battery systems
2001-01-0962	Title: Development of fan spray simulation for gasoline direct injection engines
2001-01-0963	Title: Modeling of internal flow in high pressure swirl injectors
2001-01-0964	Title: Technique for analyzing swirl injectors of direct-injection gasoline engines
2001-01-0966	Title: Direct injection of variable gasoline/methanol mixtures: Injection and spray characteristics
2001-01-0967	Title: Developments in the use of multi-purpose numerical simulation tools to optimize combustion control parameters for the 2nd generation of lean-burn stratified GDI engines
2001-01-0968	Title: Air-fuel mixing in a homogeneous charge DI gasoline engine

2001-01-0970	Title: Methods and analysis of fuel injection, mixture preparation and charge stratification in different direct-injected SI engines
2001-01-0972	Title: Manufacturing of bladder fuel tank for vapor-reducing fuel tank system
2001-01-0973	Title: Machining of automobile engine cams using two cutting tools controlled with linear servomotors
2001-01-0978	Title: A new tightening method for bolted joints by the simultaneous application of torque and compressive force
2001-01-0980	Title: Thin-sheet austenite stainless steel pipe for automotive fuel filler pipe application
2001-01-0984	Title: Electronic throttle control with contactless position sensor and smart power full-bridge
2001-01-0985	Title: An improved anti-pulsation mass airflow sensor
2001-01-0986	Title: Engine application of a battery voltage-driven DI fuel injection system
2001-01-0987	Title: The coaxial cavity resonator as a RF IC engine ignition source
2001-01-0989	Title: Electronic engine control—Minimizing errors in test cell fuel measuring system calibrations
2001-01-0991	Title: High-accuracy low-cost cylinder pressure sensor for advanced engine controls
2001-01-0993	Title: Misfire detection for prechamber SI engines using ion-sensing and rotational speed measurements
2001-01-0994	Title: Combustion monitoring by use of the spark plug for DI engine
2001-01-0995	Title: Engine control using torque estimation
2001-01-1009	Title: A numerical contribution to the improvement of individual cylinder AFR control in a 4-cylinder S.I. engine
2001-01-1012	Title: Knock prediction in reciprocating gas-engines using detailed chemical kinetics
2001-01-1014	Title: Thermal modeling of engine components for temperature prediction and fluid flow regulation
2001-01-1017	Title: Thermal analysis of electric motors in engine cooling fan systems
2001-01-1018	Title: Development of a cooling module containing a radiator and a condenser—Part 1: Product design
2001-01-1019	Title: Development of a cooling module containing a radiator and a condenser—Part 2: Alloy development
2001-01-1020	Title: Exhaust heat recovery system for modern cars
2001-01-1021	Title: Towards optimization of automotive waste heat recovery using thermoelectrics
2001-01-1022	Title: OCP—Materials
2001-01-1030	Title: Experimental studies on Controlled Auto-ignition (CAI) combustion of gasoline in a 4-stroke engine
2001-01-1037	Title: Optimum engine component design and process validation using metal casting simulation tools
2001-01-1071	Title: Multicomponent fuel consideration for spray evaporation field and spray-wall interaction
2001-01-1073	Title: Engine lubrication system model for sump oil temperature prediction
2001-01-1075	Title: A new transient elastohydrodynamic (EHD) bearing model linkable to ADAMS®
2001-01-1076	Title: Theoretical analysis of engine bearing considering both elastic deformation and oil film temperature distribution

2001-01-1077	Title: New aluminum alloy bearing with higher wear resistance
2001-01-1079	Title: Analysis of the frequency, causes and consequences of a common quality problem in the babbit coating of trimetal journal bearings
2001-01-1092	Title: Optical combustion measurements of a high-performance two-stroke engine
2001-01-1118	Title: PTFE compounds in automotives
2001-01-1119	Title: The evolution of fluoroelastomer: SIFEL, a new class of easily processed high-performance elastomer, adhesive and sealant
2001-01-1120	Title: Development of multi-layer plastic membrane (bladder membrane) for vapor- reducing fuel tank
2001-01-1121	Title: Development of a novel polyolefinic thermoplastic vulcanizate for fuel line covering applications
2001-01-1123	Title: A comparative study of the integrity of joints between multilayer fuel line constructions and different connector "barb" designs—Part 2
2001-01-1127	Title: Permeation and stress relaxation resistance of elastomeric fuel seal materials
2001-01-1140	Title: Lightweight thermoplastic composite throttle bodies for car and truck applications
2001-01-1142	Title: Performance of HT-thermoplastic spur gears made out of Polyaryletherketone (PAEK)
2001-01-1144	Title: Development of a plastic manifold noise syntheses technique
2001-01-1175	Title: Round robin study of freezing point of coolants using manual and automatic methods
2001-01-1179	Title: Elastomer service life prediction in organic acid coolants
2001-01-1180	Title: The effects of contaminated engine coolants on the service life of elastomers
2001-01-1181	Title: Standard test method for cavitation and erosion-corrosion characteristics of aluminum pumps with engine coolants
2001-01-1182	Title: A chemical base for engine coolant/antifreeze with improved thermal stability properties
2001-01-1185	Title: Heat exchange characteristics of silicate and carboxylate-based coolants in air-cooled engine parts
2001-01-1186	Title: Combustion system of a lean-burn piston engine with catalytic prechamber
2001-01-1189	Title: Experimental investigations on the performance characteristics of a producer gas-fueled spark ignition engine
2001-01-1193	Title: Feasibility study of an online gasoline fractionating system for use in spark-ignition engines
2001-01-1199	Title: Localization of knock events in direct-injection gasoline engines
2001-01-1200	Title: Spark plugs for gasoline direct injection engines
2001-01-1201	Title: Development of new concept iridium plug
2001-01-1202	Title: A review of fuel, intake and combustion system deposit issues relevant to 4- stroke gasoline direct fuel injection engines
2001-01-1203	Title: Piston wetting in an optical DISI engine: Fuel films, pool fires, and soot generation
2001-01-1207	Title: Internal mixture formation and combustion—From gasoline to ethanol
2001-01-1208	Title: A low-cost modular small-engine system utilizing extruded aluminum

2001-01-1220	Title: Smart IGBT for advanced ignition systems
2001-01-1223	Title: A new approach for the validation of engine management strategies specifications through simulation algorithms
2001-01-1225	Title: A deforming droplet model for fuel spray in direct-injection gasoline engines
2001-01-1228	Title: Multi-dimensional modeling of mixing and combustion of a two-stroke direct- injection spark ignition engine
2001-01-1230	Title: Air/fuel distribution simulation in a port-injected gasoline lean-burn engine
2001-01-1231	Title: Characteristics of vaporizing continuous multi-component fuel sprays in a port fuel injection gasoline engine
2001-01-1236	Title: Computational study of joint effects of shear, compression and swirl on flow and turbulence in a valveless piston-cylinder assembly
2001-01-1238	Title: Predictions of on-engine efficiency for the radial turbine of a pulse turbocharged engine
2001-01-1248	Title: Integrated cooling systems for passenger vehicles
2001-01-1249	Title: Experimental study of heat transfer from the heated rib-roughed wall to a steady or pulsating flow
2001-01-1266	Title: Reduction of cooling air drag of road vehicles: An analytical approach
2001-01-1270	Title: Aerodynamic evaluation on Formula SAE vehicles
2001-01-1293	Title: Quantitative measurements of direct-injection gasoline fuel sprays in near- nozzle region using synchrotron x-ray
2001-01-1308	Title: Some critical technical issues on the steady flow testing of cylinder heads
2001-01-1311	Title: LEV II applications based on a lean start calibration
2001-01-1313	Title: Low emission concept for SULEV
2001-01-1314	Title: Development of a SULEV capable technology for a full-size gasoline PFI V8 passenger cAR
2001-01-1338	Title: Influence of catalysis on combustion in spark ignition engine
2001-01-1348	Title: Design and development of a battery-voltage-driven fuel injector for direct- injection gasoline engines
2001-01-1355	Title: Development of "virtual and real simulator" for engine
SAE 2002 World Congress	Title: Experimental and computational analysis of a high- performance, four-stroke motorcycle engine equipped with a variable geometry exhaust system
2002-01-0001	Title: The prediction of 1D unsteady flows in the exhaust system of a S.I. engine including chemical reactions in the gas and solid phase
2002-01-0003	Title: Tuned manifold systems—Application of 1-D pipe model
2002-01-0004	Title: Modelling exhaust systems using one-dimensional methods
2002-01-0005	

2002-01-0007	Title: A cycle simulation including the second law of thermodynamics for a spark-ignition engine: Implications of the use of multiple-zones for combustion
2002-01-0009	Title: Modelling of combustion and non-equilibrium ionization in spark ignition engines
2002-01-0059	Title: Optimization of exhaust systems
2002-01-0079	Title: New aspects of temperature behavior of AJ52x, creep resistant magnesium alloy
2002-01-0110	Title: Cycle-to-cycle variations: Their influence on cycle resolved gas temperature and unburned hydrocarbons from a camless gasoline compression ignition engine
2002-01-0113	Title: Feasibility study of two-stage hybrid combustion in gasoline direct injection engines
2002-01-0114	Title: Modelling study of combustion and gas exchange in a HCCI (CAI) engine
2002-01-0162	Title: Thermal design of high pressure ratio turbocharger compressor wheels
2002-01-0163	Title: Test bench for turbocharger groups characterization
2002-01-0173	Title: Vehicle foresight: Customer correlation of engine components tests using life prediction modelling
2002-01-0194	Title: A new air-fuel ratio feedback control for ULEV/SULEV standard
2002-01-0196	Title: Engine monitoring of a Formula 1 racing car based on direct torque measurement
2002-01-0202	Title: Developing a generalized modular modelling structure for dynamic engine simulation
2002-01-0203	Title: Engine control without internal combustion engine map: Non-stationary stochastic state model for prediction of cylinder air mass
2002-01-0220	Title: Fuel design concept for low emission in engine systems 3rd report: Analysis of spray characteristics for mixed fuels
2002-01-0236	Title: Intelligent simplification—Ways towards improved fuel economy
2002-01-0237	Title: FEM approximation of internal combustion chambers for knock investigations
2002-01-0238	Title: The effect of knock on heat transfer in SI engines
2002-01-0239	Title: Heat release in the end-gas prior to knock in lean, rich and stoichiometric mixtures with and without EGR
2002-01-0244	Title: Influence of intake tumble ratio on general combustion performance, flame speed and propagation at a Formula One- type, high-speed research engine
2002-01-0252	Title: The driveability test facility wind tunnel No. 8
2002-01-0295	Title: The effect of crankshaft flexibility on the EHL of connecting rod bearings
2002-01-0298	Title: Parametric study for design factors on engine bearings by using TEHL analysis
2002-01-0331	Title: Accuracy limits of IMEP determination from crankshaft speed measurements
2002-01-0332	Title: Reinventing the internal combustion (IC) engine head and exhaust gaskets
2002-01-0334	Title: The Trangine - A Novel Powertrain
2002-01-0335	Title: Combining high performance with Euro IV capability in a naturally aspirated production engine
2002-01-0341	Title: Engine applications for warm compacted sprockets

2002-01-0343	Title: Fuel injectors, sensors and actuators manufactured by bi-metal powder injection molding
2002-01-0371	Title: An analytic model for cylinder pressure in a four-stroke SI ENGINE
2002-01-0372	Title: A universal heat transfer correlation for intake and exhaust flows in an spark-ignition internal combustion engine
2002-01-0375	Title: Simulation tools for development of advanced engine braking and variable valve actuation systems
2002-01-0376	Title: Modelling of exhaust valve opening in a camless engine
2002-01-0377	Title: 1-D model of radial turbocharger turbine calibrated by experiments
2002-01-0416	Title: A study on gasoline-fueled compression ignition engine—A trial of operation region expansion
2002-01-0420	Title: Performance and analysis of a 4-stroke multi-cylinder gasoline engine with CAI combustion
2002-01-0422	Title: Variable valve actuated controlled auto-ignition: Speed load maps and strategic regimes of operation
2002-01-0450	Title: Third generation of high-response and high-output 3.5L V-6 engine
2002-01-0451	Title: Simulation of engine's structure-borne noise excitation due to the timing chain drive
2002-01-0452	Title: Vauxhall 14-40—An 80th year review of its technology
2002-01-0453	Title: Application of time-frequency representation techniques to the impact-induced noise and vibration from engines
2002-01-0456	Title: Evaluation of wide-open-throttle torque production based on engine acoustic emission
2002-01-0457	Title: Formula SAE dual plenum induction system design
2002-01-0458	Title: On the use of spatial transmissibility to evaluate the NVH performance of engine cover assembly
2002-01-0459	Title: CAE process to eliminate powertrain noise and vibration
2002-01-0466	Title: Human factors issues in the application of a novel process description environment for machine design and control developed under the foresight vehicle program
2002-01-0467	Title: Distributed engineering of automotive manufacturing machines under the foresight vehicle program
2002-01-0469	Title: A user-oriented interface methodology for automotive manufacturing machines developed under the foresight vehicle progra
2002-01-0471	Title: Modelling and improving maintenance decisions: Having foresight with simulation and artificial intelligence
2002-01-0476	Title: Model-Based Architecting for Reliability, Availability, and Maintainability Software in Automotive Applications
2002-01-0477	Title: Development of next-generation air-fuel ratio control system, "COSMIC"
2002-01-0480	Title: Misfire detection based on engine speed time-frequency analysis
2002-01-0484	Title: Experimental analysis of dynamics and friction in valve train systems
2002-01-0485	Title: Measurement of bore distortion in a firing engine

2002-01-0486	Title: A characteristic parameter to estimate the optimum counterweight mass of a 4-cylinder in-line engine
2002-01-0490	Title: Tribological characteristics of electrolytic coatings for aluminum engine cylinder lining applications
2002-01-0491	Title: Development of a low friction piston with a new flexible skirt structure for a 3.5-L V6 gasoline engine
2002-01-0523	Title: Cold starting performance of a 42-volt integrated starter generator system
2002-01-0584	Title: Effect of thermal fatigue phenomena of aluminum alloy by artificial aging
2002-01-0585	Title: Thermal plastic-elastic creep analysis of engine cylinder head
2002-01-0589	Title: CVT split power transmissions, a configuration versus performance study with an emphasis on the hydromechanical type
2002-01-0605	Title: Development of a highly efficient manufacturing method for a plastic intake manifold
2002-01-0608	Title: Development of Sintered Valve Guide Material with Improved Machinability
2002-01-0616	Title: A transient hydrostatic dynamometer for testing single-cylinder prototypes of multi-cylinder engines
2002-01-0622	Title: Casting and machining process analysis at General Motors Corporation powertrain
2002-01-0626	Title: A wear-resistant coating for aluminum-silicon alloys using microarc oxidation and an application to an aluminum cylinder block
2002-01-0627	Title: Analysis of transient drive cycles using CRUISE-BOOST co-simulation techniques
2002-01-0628	Title: Aggregating technologies for reduced fuel consumption: A review of the technical content in the 2002 National Research Council Report on CAFE
2002-01-0631	Title: Choosing the right elastomer for air intake and engine oil system gaskets
2002-01-0644	Title: Ignition system characteristics and effects on combustion for a two-stroke engine
2002-01-0648	Title: Fundamental study of single droplet and droplets array combustion with premixed gas
2002-01-0657	Title: Thermal fatigue analysis of cast aluminum cylinder heads
2002-01-0659	Title: Thermomechanical design in the automotive industry
2002-01-0660	Title: Functional improvement on valve stem seal
2002-01-0663	Title: 3D engine analysis and MLS cylinder head gaskets design
2002-01-0664	Title: Fatigue analysis for isolated rocker cover capscrews
2002-01-0702	Title: In-depth study of vehicle powertrains to identify causes of loose components rattle in transmissions
2002-01-0704	Title: Fuel system investigation and performance development of a prototype V6 gasoline direct injection engine
2002-01-0705	Title: Application of air-assisted direct fuel injection to pressure-charged gasoline engines
2002-01-0706	Title: Synergies of variable valve actuation and direct injection

2002-01-0708	Title: Automated model-based GDI engine calibration adaptive online DoE approach
2002-01-0709	Title: Boosted gasoline direct injection engines: Comparison of throttle and VGT controllers for homogeneous charge operation
2002-01-0711	Title: Live engine heat flow from intake valve centerline to coolant passage using 8 thermocouples in series with various materials
2002-01-0713	Title: Coolant flow control strategies for automotive thermal management systems
2002-01-0739	Title: 3D spray measurement system for high density fields using laser holography
2002-01-0741	Title: Investigation into air-fuel ratio measurement of a high- performance two-stroke engine by an optical method
2002-01-0742	Title: Development and evaluation of a novel optical interface for spark ignition engine research
2002-01-0747	Title: High bandwidth heat transfer and optical measurements in an instrumented spark ignition internal combustion engine
2002-01-0748	Title: On the calibration of single-shot planar laser imaging techniques in engines
2002-01-0750	Title: A comparison of two quantitative laser-induced fluorescence techniques applied to a new air-guided direct injection SI combustion chamber
2002-01-0770	Title: Crankshaft concept design flowchart for product optimization
2002-01-0801	Title: A hardware-in-the-loop test bench for the validation of complex ECU networks
2002-01-0830	Title: Direct injection of fuel mixture in a spark ignition two-stroke engine
2002-01-0831	Title: Effects of in-cylinder flow on fuel concentration at the spark plug, engine performance and emissions in a DISI engine
2002-01-0833	Title: Correlation concept between mixture formation and ignition applied to a GDI high-speed engine
2002-01-0834	Title: Characterization of the combustion in a direct injection spark ignition engine
2002-01-0835	Title: Simulations of fuel/air mixing, combustion, and pollutant formation in a direct injection gasoline engine
2002-01-0836	Title: Study of interaction between spray and air motion, and spray wall impingement
2002-01-0837	Title: Examination of iso-octane/ketone mixtures for quantitative LIF measurements in a DISI engine
2002-01-0838	Title: Vaporization of individual fuel drops on a heated surface: A study of fuel-wall interactions within direct- injected gasoline (DIG) engines
2002-01-0839	Title: The volumetric efficiency of direct and port injection gasoline engines with different fuels
2002-01-0840	Title: CFD predictions in model engines—Reduction of in- cylinder wall films by using a plain orifice electrostatic atomizer
2002-01-0841	Title: Gas-dissolved gasoline spray—An experimental study
2002-01-0843	Title: Compression estimation from simulated and measured cylinder pressure

2002-01-0847	Title: Estimation of air-fuel ratio of individual cylinders in SI engines by means of MISiC sensor signals in a linear regression model
2002-01-0848	Title: Online detection of cylinder-to-cylinder variations by a vibration analysis system
2002-01-0849	Title: Automated EMS calibration using objective driveability assessment and computer aided optimization methods
2002-01-0851	Title: Turbine housing design optimization and qualification rig for high temperatures
2002-01-0853	Title: Fuel rail with integrated damping effect
2002-01-0854	Title: Thermal fatigue life of exhaust manifolds predicted by simulation
2002-01-0855	Title: Study on crankcase-supercharging
2002-01-0856	Title: Study on the internal flow of radial turbine rotating blades for automotive turbochargers
2002-01-0858	Title: Development of a magnetic coupling water pump for a four-stroke 50 cm ³ scooter engine
	Title: Direct coupled 1D/3D-CFD-computation (GT-Power/Star-CD) of the flow in the switch-over intake system of an 8-cylinder SI engine with external exhaust gas recirculation
2002-01-0901	
2002-01-0902	Title: EGR—A challenge for modern plastic intake manifolds
2002-01-0903	Title: Computer-aided configuration design of internal combustion engines—CED system
2002-01-0904	Title: Modelling of the air-assisted injection system of a new, low-emission two-stroke engine
2002-01-0918	Title: Induction hardened ductile iron camshafts
2002-01-0919	Title: High-temperature molding for thin-wall steel castings
2002-01-0930	Title: Hybrid powertrain with an engine-disconnecting clutch
2002-01-0952	Title: Towards shape optimization of radiator cooling tanks
2002-01-0990	Title: Development of the Toyota Mild-Hybrid System (THS-M)
	Title: The variable compression (SVC) and the combustion control (SCC)—Two ways to improve fuel economy and still comply with world-wide emission requirements
2002-01-0996	
2002-01-0997	Title: Influence of mixture formation on injection and combustion characteristics in a compact GDI engine
2002-01-0998	Title: Dynamic stage of combustion in a direct injection methanol-fueled engine
2002-01-1101	Title: Phasing strategy for an engine with twin variable cam timing
2002-01-1103	Title: Variable compression ratio—A design solution for fuel economy concepts
2002-01-1104	Title: An impulse charging system for SI and diesel engines
2002-01-1105	Title: Analysis of advantages and of problems of electromechanical valve actuators
2002-01-1107	Title: The control of a VVA-equipped SI engine operation by means of 1D simulation and mathematical optimization
2002-01-1109	Title: Production electro-hydraulic variable valve-train for a new generation of I.C. engines
2002-01-1110	Title: A detailed two-dimensional numerical study of spark ignition including ionization
2002-01-1113	Title: Improving the numerical accuracy of spray simulations

2002-01-1118	Title: Turbulence modelling in CFD simulation of ice intake flows: The discharge coefficient prediction
2002-01-1119	Title: A methodology for in-cylinder flow field evaluation in a low stroke-to-bore SI engine
2002-01-1120	Title: An unstructured parallel solver for engine intake and combustion stroke simulation
2002-01-1132	Title: Study of the benefits and drawbacks of a substantial increase of rail-pressure in GDI-injector assemblies
2002-01-1133	Title: Investigation of a DISI fuel injector for a close-arranged spray-guided combustion system
2002-01-1134	Title: A microinjector for DI-gasoline applications
2002-01-1135	Title: Fuel spray simulation of slit nozzle injector for direct-injection gasoline engine
2002-01-1136	Title: Nozzle hole film formation and its link to spray characteristics in swirl-pressure atomizers for direct injection gasoline engines
2002-01-1137	Title: Experimental validation of a GDI spray model
2002-01-1138	Title: Characterization and phenomenological modelling of mixture formation and combustion in a direct injection spark ignition engine
2002-01-1139	Title: Prediction of no emissions from stratified charge spark-ignition engines
2002-01-1140	Title: Effects of piston wetting on size and mass of particulate matter emissions in a DISI engine
2002-01-1143	Title: In-vehicle engine torque model validation
2002-01-1145	Title: Flame spectrum analysis with the use of artificial neural networks
2002-01-1147	Title: New calibration methods and control systems with artificial neural networks
2002-01-1151	Title: ICE Idle Speed Control Using Fuzzy Idle
2002-01-1187	Title: Computing the optimum knock sensor locations
2002-01-1188	Title: A method for identifying the natural frequency of the timing belt
2002-01-1203	Title: Coolant velocity correlations in an IC engine coolant jacket
2002-01-1204	Title: Thermal-velocity coupling in vehicle thermal system calculations
2002-01-1207	Title: CFRM concept for vehicle thermal system
2002-01-1208	Title: A new approach to improving fuel economy and performance prediction through coupled thermal systems simulation
2002-01-1210	Title: Design and development of the UC Davis FutureTruck
2002-01-1217	Title: Enhanced vehicle stability with engine drag control
2002-01-1219	Title: Modelling road vehicle dynamics with Modelica
2002-01-1276	Title: High-frequency IMEP estimation and filtering for torque-based SI engine control
2002-01-1283	Title: Theoretical analysis of the fuel stream in the gasoline direct injection engine
2002-01-1285	Title: Coupling of 1-D and 3-D CFD models to predict transient hydraulics in an engine cooling circuit
2002-01-1297	Title: Validation of CFD commercial codes for vehicle design and development

2002-01-1301	Title: Support vector machine-based determination of gasoline direct-injected engine admissible operating envelope
2002-01-1303	Title: Seamless solutions for powertrain systems
2002-01-1314	Title: A new concept thrust washer for gasoline and diesel engines
2002-01-1315	Title: Lubrication and ventilation system of modern engines—Measurements, calculations and analysis
2002-01-1319	Title: The controlled vane-type oil pump for oil supply on demand for passenger car engines
SAE 2003 World Congress	
2003-01-0001	Title: Optimizing the scavenging system for a two-stroke cycle, free piston engine for high efficiency and low emissions: A computational approach
2003-01-0003	Title: On the applications of low-Reynolds cubic k- ϵ turbulence models in 3D simulations of ICE intake flows
2003-01-0004	Title: Experimental analysis and CFD simulation of GDI sprays
2003-01-0005	Title: A 3D Eulerian model to improve the primary breakup of atomizing jet
2003-01-0007	Title: Fuel spray simulation of high-pressure swirl injector for DISI engines and comparison with laser diagnostic measurements
2003-01-0009	Title: The analysis of natural gas engine combustion specificities in comparison with isooctane through CFD computation
2003-01-0010	Title: Investigation of the effect of double ignition on the combustion processes in a 2-valves gasoline engine through 3D simulation
2003-01-0011	Title: Modelling autoignition and engine knock under spark ignition conditions
2003-01-0012	Title: An Analysis of 3D simulation of SI combustion with an improved version of the KIVA-3V code: Numerical formulation and experimental validation
2003-01-0020	Title: VVT+port deactivation application on a small displacement SI 4 cylinder 16V engine: An effective way to reduce vehicle fuel consumption
2003-01-0022	Title: A study of a mechanical continuous variable rocker arm (VRA)
2003-01-0023	Title: Cam phaser actuation rate performance impact on fuel consumption and NO _x emissions over the FTP-75 drive cycle
2003-01-0025	Title: VAVACT—Variable valve actuation mechanism
2003-01-0026	Title: Variable valve actuation—Switchable and continuously variable valve lifts
2003-01-0027	Title: The employment of a 1D simulation model for A/F ratio control in a VVT engine
2003-01-0029	Title: Two-step variable valve actuation for fuel economy, emissions, and performance
2003-01-0030	Title: Improved robustness and energy consumption for sensorless electromagnetic valve train
2003-01-0031	Title: When to integrate or not to integrate—A VVA system decision
2003-01-0032	Title: Controlled autoignition combustion process with an electromechanical valve train

2003-01-0033	Title: Optimization techniques and results for the operating modes of a camless engine
2003-01-0036	Title: An electromechanical valve drive incorporating a nonlinear mechanical transformer
2003-01-0037	Title: Application of a simple mechanical phasing mechanism for independent adjustment of valves in a pushrod engine
2003-01-0038	Title: Using camless valvetrain for air hybrid optimization
2003-01-0058	Title: Analysis on behaviors of swirl nozzle spray and slit nozzle spray in relation to DI gasoline combustion
2003-01-0060	Title: Analysis of visualized fuel flow inside the slit nozzle of direct injection SI gasoline engine
2003-01-0061	Title: Experimental characterization of flat-spray injector in gasoline direct injection engines
2003-01-0063	Title: Spatial distribution of droplet diameter of wall-impinging-spray for direct injection gasoline engines
2003-01-0064	Title: Modification of an experimental model GDI tumbling flow by direct injection
2003-01-0065	Title: Coupling laser sheet tomography and P.L.I.F. for the study of atmospheric stratified charge combustion
2003-01-0066	Title: Analysis of mixture formation process in a stoichiometric direct injection gasoline engine
2003-01-0067	Title: Modelling of air/fuel mixing in a stratified gasoline direct injection engine using multicomponent fuel representation
2003-01-0068	Title: Investigation of the fuel injection, mixing and combustion processes in an SIDI engine using quasi-3D LIF imaging
2003-01-0069	Title: Determination of flame-front equivalence ratio during stratified combustion
2003-01-0079	Title: Fundamental study on flame propagation in partially-premixed spray at constant pressure
2003-01-0081	Title: A well-to-wheel comparison of several powertrain technologies
2003-01-0110	Title: FlexRay—The communication system for future control systems in vehicles
2003-01-0121	Title: Investigation of acceleration performance feeling on a rotary engine sports car with driving simulator
2003-01-0131	Title: A new calibration system for ECU development
2003-01-0148	Title: Robust piston design and optimization using piston secondary motion analysis
2003-01-0149	Title: Robust engineering of engine-cooling system
2003-01-0188	Title: Comparative mechanical properties of AE42 and AJ52x high-temperature diecast magnesium alloys for elevated temperature applications
2003-01-0191	Title: A comparative study of new magnesium alloys developed for elevated temperature applications in automotive industry
2003-01-0221	Title: Attribute analysis and criteria for automotive exhaust systems
2003-01-0222	Title: Motorized throttle positioning simulation model

2003-01-0225	Title: A contribution to predictive engine calibration based on vehicle drive cycle performance
2003-01-0240	Title: Finite element analysis of static elastic characteristics of the rubber isolators in automotive dynamic systems
2003-01-0244	Title: New conceptual lead-free overlays consisted of solid lubricant for internal combustion engine bearings
2003-01-0245	Title: Journal bearing analysis in engines using simulation techniques
2003-01-0257	Title: Dynamic testing and CAE modelling of engine mounts and their application in vehicle crash analysis
2003-01-0272	Title: Smart thermostat and coolant pump control for engine thermal management systems
2003-01-0274	Title: The need for an electrical water valve in a THERmal Management Intelligent System (THEMIS™)
2003-01-0275	Title: Influence of fan system electric power on the heat performance of engine-cooling module
2003-01-0276	Title: Simulation-based vehicle thermal management system—Concept and methodology
2003-01-0352	Title: Methods of pressure cycle processing for engine control
2003-01-0354	Title: Nonlinear analysis of combustion engine vibroacoustic signals for misfire detection
2003-01-0356	Title: Feedback error learning neural networks for air-to-fuel ratio control in SI engines
2003-01-0358	Title: Model-based idle speed control for a high-performance engine
2003-01-0360	Title: A simple linear approach for transient fuel control
2003-01-0366	Title: Secondary air injection in the exhaust after-treatment system of S.I. engines: 1D fluid dynamic modelling and experimental investigation
2003-01-0367	Title: A Theoretical and experimental activity on the dynamical behavior of ICE varying area manifolds
2003-01-0368	Title: Exhaust-gas dynamics model for identification purposes
2003-01-0369	Title: Development of a new intake system for a small spark- ignition engine—Modelling the flow through the inlet valve
2003-01-0370	Title: A multi-pipe junction model for one-dimensional, gas- dynamic simulations
2003-01-0371	Title: Robust engine design using engine simulations
2003-01-0372	Title: ""Virtual engine/powertrain/vehicle"" simulation tool solves complex interacting system issues
2003-01-0373	Title: Simulation of pre-chambers in an engine combustion chamber using available software
2003-01-0374	Title: Numerical simulation to improve engine control during tip-in maneuvers
2003-01-0398	Title: Benefits and challenges of variable compression ratio (VCR)
2003-01-0399	Title: Boosting of turbocharger dynamics: Simulation and comparison of different solutions
2003-01-0401	Title: Performance and fuel economy enhancement of pressure charged SI engines through turboexpansion—An initial study
2003-01-0402	Title: Development of an actuator for a fast moving flap for impulse charging
2003-01-0403	Title: Design and evaluation of the ELEVATE two-stroke automotive engine
2003-01-0404	Title: Super ignition spark plug with fine center and ground electrodes

2003-01-0406	Title: Lightweight engine structures—Mechanical, acoustic and production aspects
2003-01-0409	Title: The effect of geometry on stiffness and deformation in exhaust manifolds for in-line 4-cylinder engines
2003-01-0410	Title: Turbocharging the Chrysler 2.4L engine
2003-01-0412	Title: Assessing tank-to-wheel efficiencies of advanced technology vehicles
2003-01-0441	Title: C-A-S-T is not a four letter word
2003-01-0473	Title: Thermal examination of a MLS gasket with integrated sensor technology for an effective heat management
2003-01-0474	Title: MLS cylinder head gasket wave stopper
2003-01-0479	Title: The 1D CAE program for cylinder head gasket design
2003-01-0481	Title: Proteus®—MLS cylinder head gasket analysis tool
2003-01-0484	Title: MLS influence on engine structure and sealing function
2003-01-0532	Title: Equations for physical properties of automotive coolants
2003-01-0533	Title: Advances in automotive heat exchanger technology
2003-01-0540	Title: Direct injection for future SI engines—Stand-alone combustion layout or integrated part of multi-function fuel/air management approach?
2003-01-0541	Title: Direct injection concept as a support of engine down- sizing
2003-01-0542	Title: Downsizing a gasoline engine using turbocharging with direct injection
2003-01-0543	Title: Combustion characteristics of a reverse-tumble, wall- controlled, direct-injection, stratified-charge engine
2003-01-0544	Title: Reduction of emissions and fuel consumption in a 2- stroke direct injection engine with multidimensional modelling and an evolutionary search technique
2003-01-0545	Title: Overview of central-injection, air-assisted SIDI technology emissions and fuel consumption
2003-01-0546	Title: Characterization of combustion chamber deposits from a gasoline direct injection SI engine
2003-01-0547	Title: Piston fuel films as a source of smoke and hydrocarbon emissions from a wall-controlled spark-ignited direct-injection engine
2003-01-0550	Title: Knowledge-based CAx tools for the development of environmentally sound products
2003-01-0562	Title: Investigations on combustion and heat transfer in a large gaseous-fuelled engine
2003-01-0563	Title: Numerical study on knock for an SI engine by thermally coupling combustion chamber and cooling circuit simulations
2003-01-0565	Title: Development of a hydrocarbon adsorption filter
2003-01-0566	Title: Comparison of methodologies for chemical measurement of air-to-fuel ratio at very lean conditions
2003-01-0567	Title: A new catalyzed hydrocarbon trap control system for ULEV/SULEV standard
2003-01-0597	Title: The powertrain of the all-new Maybach—Comfort and driving performance on the highest level

2003-01-0613	Title: CFRM concept at vehicle idle conditions
2003-01-0614	Title: Actively controlled cooling jets
2003-01-0616	Title: Improving engine coolant system performance with the science of sealing technology
2003-01-0617	Title: Simulation of transient heat transfer for coupling 3-D moving component system within internal combustion chamber
2003-01-0623	Title: Flow characterization of a high-performance S.I. engine intake system—Part 1: Experimental analysis
2003-01-0624	Title: Spark ignition engine mass air flow control for precise torque management
2003-01-0625	Title: Investigations of the gas injection system on a HD-CNG- engine
2003-01-0626	Title: Influence of turbulence on catalytic combustion in spark ignition engine
2003-01-0627	Title: Strategies to reduce HC emissions during the cold starting of a port-fuel-injected gasoline engine
2003-01-0628	Title: Fundamental study on effects of residual fuel droplets on flame propagation in SI engines
2003-01-0629	Title: Dilution interest on turbocharged SI engine combustion
2003-01-0630	Title: Lean-burn characteristics of a gasoline engine enriched with hydrogen from a plasmatron fuel reformer
2003-01-0632	Title: Flow characterization of a high-performance S.I. engine intake system—Part 2: Numerical analysis
2003-01-0633	Title: Traveling spark ignition
2003-01-0635	Title: Optimization of in-cylinder flow for fuel stratification in a three-valve, twin-spark-plug SI engine
2003-01-0638	Title: Lean-burn natural gas spark ignition engine—An overview
2003-01-0639	Title: Measurement of knock and ion current in a spark ignition engine with and without NO addition to the intake air
2003-01-0640	Title: Combustion stability at idle: A non-indicated methodology for analysis
2003-01-0658	Title: Impact of ultra thinwall catalyst substrates for TIER2 emission standards
2003-01-0659	Title: Effect of cell shape on mass transfer and pressure loss
2003-01-0661	Title: Influence of cell shape between square and hexagonal cells
2003-01-0662	Title: A study on the strength of catalytic converter ultra- thin-wall substrates
2003-01-0663	Title: Development of a methodology to separate thermal from oil aging of a catalyst using a gasoline-fueled burner system
2003-01-0664	Title: Theories and capabilities of intumescent mat numerical modelling
2003-01-0702	Title: Development of a general-purpose, thermal-hydraulic software and its application to fuel injection systems
2003-01-0710	Title: Semiconductor solutions for piezo injector systems
2003-01-0712	Title: Mechatronic solution for electronic turbocharger
2003-01-0713	Title: Instantaneous crankshaft torque measurements—Modelling and validation

2003-01-0714	Title: The role of the electrodes for the ionization sensor signal
2003-01-0715	Title: Analysis of the ionization equilibrium in the post-flame zone
2003-01-0717	Title: The potential of using the ion-current signal for optimizing engine stability—Comparisons of lean and EGR (stoichiometric) operation
2003-01-0719	Title: The development and implementation of an engine-off natural vacuum test for diagnosing small leaks in evaporative emissions systems
2003-01-0720	Title: Effects of burn rate parameters on nitric oxide emissions for a spark ignition engine: Results from a three-zone, thermodynamic simulation
2003-01-0721	Title: A model for the unsteady motion of pollutant particles in the exhaust system of an I.C. engine
2003-01-0722	Title: Modelling ignition and combustion in spark-ignition engines using a level set method
2003-01-0723	Title: Pressure diagnostics of closed system in a direct injection spark ignition engine
2003-01-0724	Title: Numerical study and analysis of pollutant production and emission control using ion current prediction in the SI engine
2003-01-0725	Title: An improved friction model for spark-ignition engines
2003-01-0726	Title: Fatigue analysis methodology for predicting engine valve life
2003-01-0727	Title: Simulation of an engine valve stress/strain response during a closing event
2003-01-0728	Title: Prediction of in-cylinder pressure, temperature, and loads related to the crank-slider mechanism of I. C. engines: A computational model
2003-01-0729	Title: Computerized analysis of fuel systems performance dynamics
2003-01-0750	Title: Evaluation of HCCI for future gasoline powertrains
2003-01-0751	Title: The thermal effect of internal exhaust gas recirculation on controlled auto-ignition
2003-01-0752	Title: A parametric study of HCCI combustion—The sources of emissions at low loads and the effects of GDI fuel injection
2003-01-0753	Title: Demonstrating a SI-HCCI-SI mode change on a Volvo 5- cylinder electronic valve control engine
2003-01-0754	Title: CSI - controlled auto ignition—The best solution for the fuel consumption - versus emission trade-off?
2003-01-0787	Title: High-performance phenolic resin idler pulley
2003-01-0809	Title: Cost competitiveness of fuel cell vehicles through novel hybridization approaches
2003-01-0812	Title: Research on the Co-free intelligent catalyst
2003-01-0813	Title: Design of a practical intelligent catalyst
2003-01-0814	Title: Development of a low precious-metal automotive perovskite catalytic system for LEV-II
2003-01-0815	Title: A catalyzed hydrocarbon trap using metal-impregnated zeolite for SULEV systems
2003-01-0816	Title: Development of third generation of gasoline P-ZEV technology
2003-01-0817	Title: Development of PZEV exhaust emission control system

2003-01-0818	Title: A metal substrate with integrated oxygen sensor; functionality and influence on air/fuel ratio control
2003-01-0819	Title: FTP and US06 performance of advanced high cell density metallic substrates as a function of varying air/fuel modulation
2003-01-0822	Title: The dimensional stability of cast 319 aluminum
2003-01-0825	Title: Casting of aluminum—Fly ash composites for automotive applications
2003-01-0826	Title: Relation between aluminum die-casting conditions and dimensional stability
2003-01-0830	Title: Development of thermal fatigue resistant austenitic cast alloys for high-temperature engine exhaust gas systems
2003-01-0831	Title: MADI™: Introducing a new, machinable, austempered ductile iron
2003-01-0847	Title: Automotive hybrid system optimization using dynamic programming
2003-01-0861	Title: Drivetrain modelling, simulation, and analysis using VHDL-AMS
2003-01-0862	Title: Drive—An integrated system approach to automotive powertrain simulation
2003-01-0864	Title: Math-based, computer-aided prototyping for automotive mechatronic applications
2003-01-0866	Title: Investigations of a direct injection system with a ""Simulatable Specification"" of smart bridge driver ICs
2003-01-0917	Title: Characterizing the non-proportional and out-of-phase extent of stress and strain histories
2003-01-0918	Title: Transient non-linear FEA and TMF life estimates of cast exhaust manifolds
2003-01-0921	Title: A study of a variable compression ratio system with a multi-link mechanism
2003-01-0923	Title: A simple high-efficiency S.I. engine design
2003-01-0924	Title: CFD simulation of connecting rod bearing lubrication
2003-01-0926	Title: Automated generation of crankshaft dynamic model to reduce engine development time
2003-01-0937	Title: Impact of the inlet flow distribution on the light-off behavior of a 3-way catalytic converter
2003-01-0939	Title: Modelling and measuring exhaust backpressure resulting from flow restriction through an aftertreatment system
2003-01-0940	Title: Exhaust manifold design to minimize catalyst light-off time
2003-01-0942	Title: New heat- and oil-resistant thermoplastic vulcanizate (TPV) for demanding underhood applications
2003-01-0943	Title: Liquid injection sealing: New and novel approach to meet gasketing needs
2003-01-0946	Title: The effects of configuration on sealing force measurement and compression stress relaxation response
2003-01-0947	Title: Evaluation of new ACM polymers in sealing applications using advances in compressive stress relaxation test measurement
2003-01-0949	Title: The development of lab-simulation test to accelerate the durability validation of engine mounting and wiring harness

2003-01-0951	Title: Development of a computerized electrodynamic resonant fatigue test machine and its applications to automotive components
2003-01-0979	Title: Development of the ferritic stainless steel welding wire providing fine-grain microstructure weld metal for the components of automotive exhaust system
2003-01-0981	Title: Numerical simulation of piston rings instability
2003-01-0982	Title: Development of a technique to predict oil consumption with consideration for cylinder deformation—Prediction of ring oil film thickness and amount of oil passing across running surface under cylinder deformation
2003-01-0983	Title: The effects of crank ratio and crankshaft offset on piston friction losses
2003-01-0996	Title: Aerodynamic drag of engine-cooling airflow with external interference
2003-01-1000	Title: On-line oxygen storage capacity estimation of a catalyst
2003-01-1001	Title: Transient emissions of a SULEV catalytic converter system dynamic simulation versus dynamometer measurements
2003-01-1002	Title: Catalytic converters in a 1D cycle simulation code considering 3D behavior
2003-01-1004	Title: Control-oriented models for exhaust gas aftertreatment; a review and prospects
2003-01-1025	Title: Bringing MATLAB® into the test cell
2003-01-1033	Title: Three-dimensional shape measurement with high-energy x-ray CT-scan
2003-01-1035	Title: Real-time calibration and debug techniques of embedded processors with the Nexus 5001 interface
2003-01-1048	Title: A common software architecture for diesel and gasoline engine control systems of the new generation EDC/ME(D)17
2003-01-1049	Title: Benefits of using a real-time engine model during engine ECU development
2003-01-1050	Title: Real-time engine models
2003-01-1051	Title: Calibration of an aftermarket EFI conversion system for increased performance and fuel economy with reduced emissions
2003-01-1052	Title: An integrated system of models for performance and emissions in SI engines: Development and identification
2003-01-1053	Title: Optimization of new advanced combustion systems using real-time combustion control
2003-01-1054	Title: An algorithm for the calibration of wall-wetting model parameters
2003-01-1056	Title: Estimation of engine combustion parameters under induction coil disturbances
2003-01-1057	Title: Model-based component fault detection and isolation in the air-intake system of an SI engine using the statistical local approach
2003-01-1058	Title: An approach for misfire diagnosis in critical zones of the operating range of a high-performance engine

2003-01-1059	Title: Exhaust-intake manifold model for estimation of individual cylinder air-fuel ratio and diagnostic of sensor- injector
2003-01-1094	Title: Predicting the bending life of wire harnesses by CAE analysis
2003-01-1097	Title: Application of oxide aluminum-chrome carbide composites in automotive engines
2003-01-1098	Title: An innovative oil control ring designed by powder metallurgy techniques
2003-01-1099	Title: Advanced hypersonic flamespray coatings for cylinder liners in light metal engines
2003-01-1101	Title: Research on diamond-like carbon coatings for low- friction valve lifters
2003-01-1102	Title: Abnormal wear on piston top groove
2003-01-1106	Title: Dynamic simulation of a piston for compressor application and correlation with bench tests
2003-01-1107	Title: Reliability on piston design for engine and productivity requirements
2003-01-1108	Title: Improved in-cylinder local CAD-resolved equivalence ratio measurement probe for SI engines
2003-01-1109	Title: In-situ fuel concentration measurement near spark plug by 3.392 mm infrared absorption method—Application to spark ignition engine
2003-01-1113	Title: Computational and optical investigation of liquid fuel film on the cylinder wall of an SI engine
2003-01-1114	Title: A two-tracer LIF strategy for quantitative oxygen imaging in engines applied to study the influence of skip- firing on in-cylinder oxygen contents of an SIDI engine
2003-01-1116	Title: Wavelength-agile laser sensors for measuring gas properties in engines
2003-01-1117	Title: Development of a multi-sensors head gasket for knock localization
2003-01-1118	Title: New knock localization methodology for SI engines
2003-01-1119	Title: Real-time digital signal processing of ionization current for engine diagnostic and control
2003-01-1120	Title: The effect of in-cylinder gas flow on the interpretation of the ionization sensor signal
2003-01-1121	Title: Structural and material features that influence emissions from thermoplastic multilayer fuel tanks
2003-01-1161	Title: Aftertreatment catalyst design for the New DaimlerChrysler supercharged 4-cylinder engine with direct gasoline injection
2003-01-1162	Title: Development of a rapid sulfation technique and fundamental investigations into desulfation process
2003-01-1163	Title: Temperature impact on modelling and control of lean NOx trap
2003-01-1164	Title: A phenomenological control-oriented lean NOx trap model
2003-01-1165	Title: Exhaust switch without moving parts for temperature control of NOx-adsorbers
2003-01-1166	Title: Improvement of thermal resistance for lean NOx catalyst
2003-01-1221	Title: Reliability and robustness analysis of engine ring-pack performance
2003-01-1223	Title: A PG-based powertrain model to generate component loads for fatigue reliability testing
2003-01-1255	Title: Analysis of vehicle performance at the FutureTruck 2002 competition
2003-01-1265	Title: Design and development of the University of Tennessee 2002 FutureTruck

2003-01-1267	Title: Development of the University of Idaho parallel hybrid FutureTruck
2003-01-1270	Title: Georgia Tech's FutureTruck split-parallel hybrid SUV design
2003-01-1288	Title: Software development process and software components for x-by-wire systems
2003-01-1310	Title: Development of high-impact-strength, case-hardening steel
2003-01-1328	Title: Powertrain driveability evaluation: Analysis and simplification of dynamic models
2003-01-1334	Title: Finite element acoustic analysis of an engine exhaust shield by sequentially coupled method
2003-01-1356	Title: Engine performance and emissions near the dilute limit with hydrogen enrichment using an on-board reforming strategy
2003-01-1357	Title: The measurement and control of cyclic variations of flow in a piston cylinder assembly
2003-01-1365	Title: AMC-SC1: A new magnesium alloy suitable for powertrain applications
2003-01-1387	Title: The impact of axial bearing profile on engine bearing performance
2003-01-1389	Title: Improving exhaust header performance with multiple response surface methods
SAE 2004 World Congress and Exhibition	
2004-01-0006	Title: Development and market launch of the world's first oil module with a fully plastic housing
2004-01-0011	Title: Finite element analysis of modules made of thermoplastic materials and elastomeric gaskets for powertrain applications
2004-01-0033	Title: Development and optimization of a small-displacement, spark-ignition, direct-injection engine—Stratified operation
2004-01-0034	Title: Development and optimization of a small-displacement, spark-ignition, direct-injection engine—Full-load operation
2004-01-0036	Title: Turbocharging concepts for downsized DI gasoline engines
2004-01-0037	Title: Optimization of the stratified-charge regime of the reverse-tumble, wall-controlled gasoline direct-injection engine
2004-01-0038	Title: Mapping complex engines
2004-01-0039	Title: GDI compact four-stroke engine—An advanced concept for vehicle application
2004-01-0040	Title: Combined compensation strategy for the minimization of the pollutant emission of GDI engines under variable atmospheric conditions
2004-01-0042	Title: Solid-state ¹ H NMR spin-lattice relaxation in combustion chamber deposits from a gasoline direct injection engine
2004-01-0043	Title: An integrated simulation model for the prediction of GDI engine cylinder emissions and exhaust after-treatment system performance
2004-01-0044	Title: Investigation of cycle-to-cycle variations of in-cylinder processes in gasoline direct injection engines operating with variable tumble systems
2004-01-0045	Title: Combustion imaging and analysis in a gasoline direct injection engine

2004-01-0046	Title: A study of mixture formation and combustion for spray-guided DISI
2004-01-0047	Title: Thermal comfort and engine warm-up optimization of a low-flow advanced thermal management system
2004-01-0048	Title: Modelling and validation of automotive ""smart"" thermal management system architectures
2004-01-0049	Title: On-vehicle controllable cooling jets
2004-01-0051	Title: Development and validation of coolant temperature and cooling air flow CFD simulations at Volvo Cars
2004-01-0055	Title: A study of anticorrosive technology in super long-life coolant
2004-01-0056	Title: Improving engine coolant system performance with the science of sealing technology; PART II: Compact seal design
2004-01-0058	Title: Ford's H ² RV: An industry first HEV propelled with a H ₂ -fueled engine—A fuel efficient and clean solution for sustainable mobility
2004-01-0061	Title: NVH challenges and improvements implemented in Ford H ² RV: An HEV-propelled with a supercharged hydrogen internal combustion engine
2004-01-0064	Title: Development of new-generation hybrid system THS II—Drastic improvement of power performance and fuel economy
2004-01-0099	Title: Wall film dynamics modelling for impinging sprays in engines
2004-01-0201	Title: Analysis and diagnostics of time-triggered CAN (TTCAN) systems
2004-01-0209	Title: High-performance and cost-effective electronic controller architecture for powertrain systems
2004-01-0276	Title: Accelerated life cycle development for electronic throttle control software using model-based/auto-code technology
2004-01-0304	Title: Embedded system tool to support debugging, calibration, fast prototyping and emulation
2004-01-0305	Title: A transient test system for single-cylinder research engines with real-time simulation of multi-cylinder crankshaft and intake manifold dynamics
2004-01-0352	Title: Use of system design techniques in the optimization of integrated powertrains incorporating an IVT
2004-01-0358	Title: Designing embedded real-time systems (ERTS) with model-driven architecture (MDA)
2004-01-0386	Title: Resonance detection and acoustic behavior in polymer intake manifolds using holographic interferometry techniques
2004-01-0387	Title: Two-degree-of-freedom Helmholtz resonator analysis
2004-01-0395	Title: Intake manifold whistle suppression in a product development environment
2004-01-0399	Title: Relation between exhaust pulsating flow and radiation noise: Development of exhaust radiation noise simulation technology
2004-01-0400	Title: Powertrain NVH refinement
2004-01-0406	Title: A new method of engine sound design for car interior noise using a psychoacoustic index

2004-01-0407	Title: Surface-radiated noise of exhaust systems—Calculation and optimization with CAE
2004-01-0411	Title: NV countermeasure technology for a cylinder-on-demand engine—Development of active booming noise control system applying adaptive notch filter
2004-01-0412	Title: An acoustic design procedure for intake systems: 1D analysis and experimental validation
2004-01-0413	Title: NV countermeasure technology for a cylinder-on-demand engine—Development of active control engine mount
2004-01-0418	Title: An in-cycle hardware-in-the-loop (HiL) simulator for future engine control strategy development
2004-01-0419	Title: Rapid prototyping ECU of a SI engine with fuel injection and ignition control
2004-01-0420	Title: Modelling combustion variability in LPG-injected engines for improved engine performance at idle
2004-01-0421	Title: Physical modelling and use of modern system identification for real-time simulation of spark ignition engines in all phases of engine development
2004-01-0424	Title: Coordinating control-oriented research on algorithm of engine torque estimation for parallel hybrid electric powertrain system
2004-01-0425	Title: Evolution and design of the 2003 Cornell University engine control module for an FSAE racecar
2004-01-0490	Title: Effects of near surface porosity on automotive powertrain gears
2004-01-0492	Title: The application of different NDT processes for automotive PM components
2004-01-0499	Title: Opportunities for P/M in variable valve timing devices
2004-01-0502	Title: The development of a cobalt-free exhaust valve seat insert
2004-01-0514	Title: Recuperative throttling of SI engines for improved fuel economy
2004-01-0515	Title: Effects of engine operating conditions on in-cylinder air/fuel ratio detection using a production ion-sensing device
2004-01-0516	Title: Transient in-cylinder AFR management based on optical emission signals
2004-01-0517	Title: Digital knock signal conditioning using fast ADC and DSP
2004-01-0518	Title: Smart IGBT's for advanced distributed ignition systems
2004-01-0519	Title: Study on engine management system using in-cylinder pressure sensor integrated with spark plug
2004-01-0520	Title: Misfire detection in automotive engines using structure-borne sound
2004-01-0521	Title: Reconstruction of pressure signals on structure-borne sound for knock investigation
2004-01-0522	Title: An ion current algorithm for fast determination of high combustion variability
2004-01-0523	Title: Optimal boost control for an electrical supercharging application
2004-01-0538	Title: Theoretical and experimental analysis of the spray characteristics of a pressure pulse GDI system
2004-01-0539	Title: Optimization by CFD simulation of spray formation parameters to adapt direct injection high-pressure fuel injectors to high-speed SI engines
2004-01-0540	Title: Fuel spray pattern control using L-step nozzle for swirl-type injector
2004-01-0541	Title: The fuel spray structure of high-pressure direct swirl injector for gasoline injection system

2004-01-0542	Title: Fuel breakup near nozzle exit of high-pressure swirl injector for gasoline direct injection engine
2004-01-0543	Title: Optimization of gasoline-dissolved CO ₂ injectors
2004-01-0544	Title: Experimental determination of the oxygen concentration in the start cylinder of a direct-started engine Title: Development of a new light stratified-charge DISI combustion system for a family of engines with upfront CFD coupling with thermal and optical engine experiments
2004-01-0545	
2004-01-0546	Title: Combustion improvement of a light stratified-charge direct injection engine
2004-01-0547	Title: Dynamometer development of a lightly stratified direct injection combustion system
2004-01-0548	Title: Evaluation of a direct-injected stratified charge combustion system using tracer PLIF
2004-01-0549	Title: Stratified-charge fuel preparation influence on the misfire rate of a DISI engine
2004-01-0550	Title: CFD modelling of a vortex-induced stratification combustion (VISC) system
2004-01-0551	Title: The new AVL CSI engine—HCCI operation on a multicylinder gasoline engine
2004-01-0569	Title: Combustion-assisted belt-cranking of a V-8 engine at 12 volts Title: A comparative assessment of alternative powertrains and body-in-white materials for advanced technology vehicles
2004-01-0573	Title: Simulation of non-steady multidimensional heat transfer within piston/cylinder liner sliding couple of internal combustion engine
2004-01-0599	
2004-01-0600	Title: Numerical simulation of the profile influence on the conrod bearings performance
2004-01-0601	Title: New approaches in the hypersonic flame spray coating for cylinder liners in aluminum crankcases Title: Advanced robot-assisted manufacturing and control system for the internal HVOF series coating process of cylinder bores in lightweight engine manufacturing
2004-01-0602	
2004-01-0603	Title: Optical topography measurement and material characterization of Alu cylinder walls
2004-01-0605	Title: Experimental investigations on the effect of liner surface properties on wear in non-firing engine simulator
2004-01-0606	Title: Offset crankshaft effects on SI engine combustion and friction performance
2004-01-0608	Title: Performance and reliability of deep drawn hollow valves in the automotive engines Title: Demonstration of two-dimensional temperature characterization of valves and transparent piston in a GDI optical engine
2004-01-0609	
2004-01-0610	Title: A design approach of asymmetrical cam profile and its effect on performance of high-speed automotive engine
2004-01-0612	Title: Friction temperature of the piston rings with consideration of the cylinder wall thickness
2004-01-0613	Title: Improving misfire diagnostic through coupled engine/vehicle numerical simulation
2004-01-0614	Title: Predictive engine part load modelling for the development of a double variable cam phasing (DVCP) strategy

2004-01-0616	Title: Measurement and simulation of SI engine fire-up on hydrogen fuel
2004-01-0617	Title: Thermodynamic analysis of an over-expanded engine
2004-01-0618	Title: Development of transient knock prediction technique by using a zero-dimensional knocking simulation with chemical kinetics
2004-01-0619	Title: A quasi-dimensional, three-zone model for performance and combustion noise evaluation of a twin-spark, high-EGR engine
2004-01-0622	Title: Three-zone model of combustion and chemical non-equilibrium ionization in the SI engine
2004-01-0623	Title: Turbulent temperature fluctuations in spark ignition engines and their effect on NOx emissions
2004-01-0631	Title: Implementation of a non-local critical-plane fatigue analysis program with applications to cylinder heads and blocks
2004-01-0640	Title: Air-fuel ratio calculation for a natural gas-fuelled spark ignition engine
2004-01-0644	Title: Research and development program of the next-generation environmentally friendly vehicles (EFVs) in Japan
2004-01-0645	Title: Clean engine vehicle—A natural gas-driven Euro-4/SULEV with 30% reduced CO ₂ emissions
2004-01-0654	Title: Progress toward a magnesium-intensive engine: The USAMP Magnesium Powertrain Cast Components Project
2004-01-0655	Title: Powertrain components—Opportunities for the die cast AE family of alloys
2004-01-0656	Title: High-temperature Mg alloys for sand and permanent mold casting applications
2004-01-0657	Title: Evaluation of high-temperature, cast magnesium alloy, front engine covers
2004-01-0659	Title: AJ (Mg-Al-Sr) alloy system used for new engine block
2004-01-0684	Title: Six Sigma disciplines in automotive applications
2004-01-0700	Title: Transportation and climate change: The potential for hydrogen systems
2004-01-0702	Title: Analysis and comparison of 3 code generation tools
2004-01-0704	Title: A model for electronic control units software requirements specification
2004-01-0709	Title: A development method for object-oriented automotive control software embedded with automatically generated program from controller models
2004-01-0722	Title: A study on reducing the computing burden of misfire detection using a conditional monitoring method
2004-01-0768	Title: Real-time simulation of detailed vehicle and powertrain dynamics
2004-01-0778	Title: Numerical investigation of the EHL performance and friction heat transfer in piston and cylinder liner system
2004-01-0785	Title: Virtual testing and design of experiments for functional validation of cam phaser control
2004-01-0787	Title: Topology optimization of solid-compliant torsional spring: Maximization of energy dissipation for reduction of power train vibration

2004-01-0855	Title: Detection of obstructions in automotive manifolds by aeroacoustic means
2004-01-0868	Title: Investigation and recommendation of material tests for fuel-related seal applications
2004-01-0873	Title: New developments in ethylene acrylic elastomers (AEM)—A review
2004-01-0889	Title: Use of stainless precision strip for multi-layer cylinder-head gaskets
2004-01-0890	Title: Development of high-heat-resistant, high-nitrogen-containing austenitic stainless steel for exhaust gasket
2004-01-0893	Title: Development of powertrain coordination at DaimlerChrysler Corp.
2004-01-0896	Title: Modelling and diagnostic constraints of missing combustion phenomena
2004-01-0898	Title: Identification and speed control of SI engine for idle operating mode
2004-01-0901	Title: Control device of electronically controlled fuel injection system of air-cooled engines for small motorcycles
2004-01-0902	Title: Validation and calibration process of powertrain model for engine torque control development
2004-01-0903	Title: Methods to reduce air-charge characterization data for high degree of freedom engines
2004-01-0905	Title: Open-source software for engine model development and testing
2004-01-0922	Title: Cylinder pressure reconstruction and its application to heat transfer analysis
2004-01-0942	Title: A study of controlling the auto-ignition and combustion in a gasoline HCCI engine
2004-01-0972	Title: Influence of hydrogen-rich-gas addition on combustion, pollutant formation and efficiency of an IC-SI engine
2004-01-0973	Title: Addition of CNG and reformer gas to the gasoline-fuelled SI engine
2004-01-0975	Title: Knock behavior of a lean-burn, H ₂ and CO-enhanced, SI gasoline engine concept
2004-01-0977	Title: Effects of high turbulence flow on knock characteristics
2004-01-0981	Title: Analysis of HC emissions on single cylinder during transient conditions
2004-01-0983	Title: Analysis of combustion parameters and their relation to operating variables and exhaust emissions in an upgraded multivalve bi-fuel CNG SI engine
2004-01-0984	Title: The heavy-duty gasoline engine—An alternative to meet emissions standards of tomorrow
2004-01-0985	Title: Development of a new 5.6L Nissan V8 gasoline engine
2004-01-0987	Title: Development of high ignitability with small size spark plug
2004-01-0988	Title: Advanced gasoline engine turbocharging technology for fuel economy improvements
2004-01-0989	Title: Paradoxical approach to improve fuel economy for small practical motorcycles
2004-01-0990	Title: Engine cylinder blocks and heads NVH improvements: Bolt accelerations computation methodology
2004-01-0991	Title: Establishment of a test method for fuel pump vapor lock
2004-01-0994	Title: Investigation of predictive models for application in engine cold-start behavior
2004-01-0995	Title: Simulation of a small turbocharged gasoline engine in transient operation
2004-01-0996	Title: Heat losses from the turbine of a turbocharged SI-engine—Measurements and simulation

2004-01-0997	Title: Analytical investigation of cam strategies for SI engine part-load operation
2004-01-0998	Title: A correlation between re-defined design parameters and flow coefficients of SI engine intake ports
2004-01-0999	Title: A comprehensive 1D model for the simulation of a small-size, two-stroke SI engine
2004-01-1000	Title: Simulation of a COMPREX® pressure exchanger in a 1-D code
2004-01-1001	Title: Prediction of S.I. engine emissions during an ECE driving cycle via integrated thermo-fluid dynamic simulation
2004-01-1022	Title: Role of T7 heat treating on the dimensional stability of automotive A319 Al alloys
2004-01-1028	Title: Hypereutectic Al-20%Si alloy engine block using high-pressure die-casting
2004-01-1029	Title: A comparative investigation on the high temperature fatigue of three cast aluminum alloys
2004-01-1033	Title: Advantages of a new hard carbon for water pump seals for automotive engines
2004-01-1037	Title: Development of FIPG for magnesium alloys
2004-01-1039	Title: A new coating for multi-layer steel exhaust gaskets
2004-01-1040	Title: Determining reasons for head gasket failures in air-cooled engines with a simple testing methodology
2004-01-1054	Title: Modelling and control of hybrid electric motorcycle with direct-driven wheel motor
2004-01-1130	Title: Measuring robustness as a parameter in a transfer function
2004-01-1142	Title: Metamodel development based on a nonparametric isotropic covariance estimator and application in a V6 engine
2004-01-1143	Title: Probabilistic computations for the main bearings of an operating engine due to variability in bearing properties
2004-01-1158	Title: Development of an integrated computer environment for optimization of engine management system calibration
2004-01-1240	Title: An overview of hardware-in-the-loop testing systems at Visteon
2004-01-1242	Title: AVL's sensor data management
2004-01-1252	Title: 2005 Ford GT powertrain—Supercharged supercar
2004-01-1257	Title: 2005 Ford GT—Maintaining your cool at 200 MPH
2004-01-1262	Title: A new analysis method for accurate accounting of IC engine pumping work and indicated work
2004-01-1263	Title: Overview of current continuously variable valve lift systems for four-stroke, spark-ignition engines and the criteria for their design ratings
2004-01-1264	Title: Simulation-based engine calibration: Tools, techniques, and applications
2004-01-1265	Title: Design and control of a two-stage, electro-hydraulic valve actuation system
2004-01-1268	Title: Comparison of dual retard VCT to continuously variable event valvetrain
2004-01-1270	Title: Advanced emission and fuel economy concept using combined injection of gasoline and hydrogen in SI engines

2004-01-1288	Title: Reliability-based fatigue strength testing by the staircase method
2004-01-1338	Title: Objective metrics of fuel economy, performance and driveability-A review
2004-01-1340	Title: Carbon dioxide measuring technology in engine combustion chambers
2004-01-1345	Title: Coupled analysis of thermal flow and thermal stress of an engine exhaust manifold
2004-01-1346	Title: Finite element study of belt-drive frictional contact under harmonic excitation
2004-01-1347	Title: Finite element study of dynamic response of serpentine belt-drives with isolator clutches
2004-01-1349	Title: A novel transient drop sizing technique for investigating the role of gasoline injector sprays in fuel mixture preparation
2004-01-1350	Title: Determination of the gas-phase temperature in the vaporizing spray of a GDI-injector using pure rotational CARS
2004-01-1351	Title: Different velocity data analysis for flows near a spark plug in the combustion chamber of a spark ignition engine
2004-01-1354	Title: In-cylinder measurements of fuel stratification in a twin-spark, three-valve SI engine
2004-01-1355	Title: Is toluene a suitable LIF tracer for fuel film measurements?
2004-01-1356	Title: Measurement and analysis of the residual gas fraction in an SI engine with variable cam timing
2004-01-1360	Title: Neural network control of a bi-fuel engine
2004-01-1362	Title: HiL-calibration of SI engine cold start and warm-up using neural real-time model
2004-01-1363	Title: Detection of engine misfire events using an artificial neural network
2004-01-1364	Title: Nonlinear recurrent neural networks for air-fuel ratio control in SI engines
2004-01-1365	Title: Crank angle estimation with Kalman filter for ignition control of a scooter engine
2004-01-1366	Title: Cylinder air charge estimator in turbocharged SI engines
2004-01-1368	Title: Novel approach to engine timing through monitoring intake pressure fluctuations in small engines with applications for low cost, low invasive fuel injection systems
2004-01-1369	Title: SI engine cylinder pressure estimation using torque sensors
2004-01-1372	Title: A load torque estimator
2004-01-1386	Title: New operating strategies afforded by fully variable valve trains
2004-01-1389	Title: Characterization of engine variable cam phaser fluid dynamics and phaser's ability to reject system disturbances
2004-01-1391	Title: INA EcoValve—A continuously variable valve lift (CVVL) system
2004-01-1392	Title: A study of a mechanical continuous variable rocker arm (VRA): Part II—Double intake valve control
2004-01-1393	Title: Potential of an innovative, fully variable valvetrain
2004-01-1394	Title: Initial experimental results with unthrottled load control using a mechanical fully variable valve lift system for high-speed operation
2004-01-1395	Title: Potential of a mechanical fully-variable valve lift system for engines with a side-mounted camshaft

2004-01-1396	Title: Comparison of different kinematic solutions for mechanical continuously variable valve lift systems
2004-01-1408	Title: Developing planar laser-induced fluorescence for the investigation of the mixture formation process in hydrogen engines
2004-01-1409	Title: Measurement of 3-D in-cylinder flow fields using doppler global velocimetry
2004-01-1414	Title: Flow losses at circular T-junctions representative of intake plenum and primary runner interface
2004-01-1449	Title: Engine cambore distortion analysis from design to manufacturing
2004-01-1454	Title: Analysis of engine dynamics under transient run-up conditions
2004-01-1455	Title: Development of a reed valve model for engine simulations for two-stroke engines
2004-01-1456	Title: Friction reduction trends in modern engines
2004-01-1457	Title: Valve train dynamic analysis and validation
2004-01-1458	Title: Determining TDC position using symmetry and other methods
2004-01-1459	Title: Non-replicated factorial experimental design and its use in the analysis of SI engine simulation
2004-01-1460	Title: CHEPP—A chemical equilibrium program package for Matlab
2004-01-1461	Title: An easily tunable wall-wetting model for PFI engines
2004-01-1462	Title: Heat release regression model for gas-fuelled SI engines
2004-01-1463	Title: Development of IMEP analysis for transient data
2004-01-1490	Title: Development of an engine management strategy and a cost-effective catalyst system to meet SULEV emission requirements demonstrated on a V-6 engine
2004-01-1498	Title: Fatigue failure of rollers in crankshaft fillet rolling
2004-01-1499	Title: Prediction of defects and analysis of grain flow in crank shaft forging by process modelling
2004-01-1500	Title: Optical measurement of residual stress at the deep-rolled crankshaft fillet
2004-01-1501	Title: Testing and modelling of frequency drops in resonant bending fatigue tests of notched crankshaft sections
2004-01-1511	Title: Modelling and analysis of transient vehicle underhood thermo-hydrodynamic events using computational fluid dynamics and high-performance computing
2004-01-1512	Title: CFD homogeneous mixing flow modelling to simulate subcooled nucleate boiling flow
2004-01-1522	Title: Estimation of engine NVH variability
2004-01-1528	Title: Deep rolling response of notched medium-carbon bar steels
2004-01-1530	Title: Dependence of flow characteristics of a high-performance S.I. engine intake system on test pressure and tumble generation conditions—Part 1: Experimental analysis
2004-01-1531	Title: Dependence of flow characteristics of a high-performance S.I. engine intake system on test pressure and tumble generation conditions—Part 2: Numerical analysis
2004-01-1533	Title: Limits on charge dilution, fuel and air proportions for stable combustion in spark ignition engines
2004-01-1535	Title: Demand analysis for decision-based design of vehicle engine

2004-01-1536	Title: Mount rate robust optimization for idle shake performance
2004-01-1537	Title: Use of fault tree analysis for automotive reliability and safety analysis
2004-01-1559	Title: Propagation of uncertainty in optimal design of multilevel systems: Piston-ring/cylinder-liner case study
2004-01-1561	Title: Model-based analysis of performance-cost tradeoffs for engine manifold surface finishing
2004-01-1597	Title: IDC waterproof connector for flat wiring harness
2004-01-1599	Title: Influence of design parameters on the lubrication of a high-speed connecting rod bearing
2004-01-1601	Title: Modelling and simulation of variable displacement vane pumps for IC engine lubrication
2004-01-1616	Title: Automated limit space characterization and mapping
2004-01-1617	Title: Pseudo-empirical efficiency model of a gearbox for passenger cars, to optimize vehicle performance and fuel consumption simulation
2004-01-1619	Title: Dynamic vehicle simulation—Forward, inverse and new mixed possibilities for optimized design and control
2004-01-1620	Title: Longitudinal vehicle dynamics modelling on the basis of engine modelling
2004-01-1635	Title: Continuously variable transmission control system for Toyota intelligent idling stop system
2004-01-1636	Title: CVT ratio control algorithm by considering powertrain response lag
2004-01-1646	Title: Fixed emitting point method—An accelerated test program to determine fatigue limit of automotive components
2004-01-1651	Title: Angular-based event testing
2004-01-1655	Title: A study on engine valve and seat insert wearing depending on speed change
2004-01-1691	Title: Powertrain mount loads prediction and sensitivity analyses
2004-01-1705	Title: Fast EMC emission measurements in time domain
2004-01-1718	Title: Design and assessment of technical training
2004-01-1723	Title: Improved approaches to the measurement and analysis of torsional vibration
2004-01-1761	Title: Measurement of temperature distribution nearby flame quenching zone by real-time holographic interferometry
2004-01-1770	Title: Transitioning automotive testing from the road to the lab
2004-01-1771	Title: Dynamic modelling of a port-fuel-injected engine with sensitivity analysis
SAE Automotive Dynamics and Stability Conference	
2000-01-1625	Title: Accurate models for complex vehicle components using empirical methods
SAE Brasil International Conference on Fatigue	
2001-01-4061	Title: Fatigue assessment and reliability in automotive design
SAE Brazil '93 Mobility Technology Conference and Exhibit	
931622	Title: Cooling of automotive pistons: Study of liquid-cooling jets

931669	Title: Influence of top ring end gap types at blow-by of internal combustion engines
931679	Title: Torque plate honing on block cylinder bores.
SAE Brazil 94	
942391	Title: Development of dynamometer cyclic test for oil consumption evaluation
942394	Title: Nitrited steel piston rings for internal combustion engines
942396	Title: On the influence of the surface geometry of thrust main bearings for internal combustion engines
942397	Title: Measurment of temperatures in pistons utilizing NTC's
942399	Title: Real-time knock analysis for automatic engine mapping and calibration
942414	Title: Methods for the reduction of noise and vibration in vehicles using an appropriate engine mount system
SAE Brazil 95	
	Title: Simulation of vibrating vehicle structures as part of the design process of engine mount systems and vibration absorbers
952211	
952220	Title: Computer model for design of automobile engines
952226	Title: Compacted graphite iron: new opportunities for engine design
952236	Title: Effect of top rings on piston slap noise
952239	Title: Multilayer laminated composites for noise and thermal control
952250	Title: Cavitation erosion on cylinder liners
952299	Title: Engine test beds - yesterday - today - tomorrow
952301	Title: Dynamic engine testing: why?
952305	Title: Distribution of air flow according to heat removal requirement of an internal combustion engine
SAE Brazil 96 V International Mobility Technology Conference and Exhibit	
962318	Title: Steel piston rings—A solution with lower environmental impact
962378	Title: Development of a Mercedes-Benz natural gas engine M366LAG with a lean-burn combustion system
962382	Title: Metrological study on the setting of the top dead center in internal combustion engines
962395	Title: Piston slap excitation: literature review
962396	Title: Advanced simulation techniques for optimization of powertrain NVH and fatigue behavior
SAE Earthmoving Industry Conference and Exposition	
941082	Title: Modeling of exhaust systems with CFD
SAE Future Transportation Technology Conference and Exposition	
	Title: Concept for modeling and optimization of the mixture formation using gasoline direct injection in compact high-speed engines
1999-01-2935	
2000-01-3071	Title: Correlation of two-stroke "two-volume" scavenging models with test data
2000-01-3072	Title: The influence of the combustion chamber head material of a gasoline engine on exhaust HC

2000-01-3073	Title: Trammel engine crank mechanism
2000-01-3090	Title: Design of a restricted induction system for a high-speed, four-cylinder engine
2000-01-3092	Title: Engine control inputs and signal conditioning for crankshaft and camshaft positioning
2001-01-2482	Title: Assessing the fuel economy potential of light-duty vehicles
2001-01-2489	Title: Gas engine combustion principles and applications
2001-01-2501	Title: Comparative study of hybrid powertrain strategies
2001-01-2521	Title: Advanced automotive propulsion systems—Alternatives, combinations and trends
2001-01-2524	Title: Diffusive combustion of fuel spray in a DI gasoline engine
2001-01-2528	Title: Hydrogen vehicle fueling alternatives: An analysis developed for the International Energy Agency
2001-01-2529	Title: A sodium borohydride on-board hydrogen generator for powering fuel cell and internal combustion engine vehicles
2001-01-2538	Title: Honda Insight validation using PSAT
2001-01-2553	Title: Intake system design for a Formula SAE application
931800	Title: Effects of railplugs on the dilution tolerance of a spark ignition engine
931811	Title: Effect of hydrogen jet on mixture formation in a high-pressure injection hydrogen fueled engine with spark ignition
951963	Title: Limited-temperature cycle
961669	Title: Natural gas powered heavy-duty truck demonstration
961672	Title: An experimental and numerical study of combustion chamber for lean-burn natural gas engines
961679	Title: Air-injection, and other, combustion-turbulence generators for extended expansion-stroke spark-ignition engines
961688	Title: Injected heavy-duty propane engine
961690	Title: Development of a hydrogen fueled internal combustion engine designed for single speed/power operation
961710	Title: Direct injection in two-stroke spark-ignition engines: some proposals and researches
972659	Title: Friction losses of a novel prototype variable expansion-ratio, spark-ignition, four-stroke engine
972665	Title: Evolution of heavy-duty natural gas engines—Stoichiometric, carbureted and spark-ignited to lean-burn, fuel-injected and micro-pilot
972674	Title: Development of a new small passenger car turbocharger
972692	Title: Development of a dedicated LPG-fueled, spark-ignition engine and vehicle for the 1996 Propane Vehicle Challenge
981910	Title: Rapid development of cylinder heads by DSPC
SAE Government Industry Meeting and Exposition	

2000-01-2206	Title: Experimental evaluation of SI engine operation supplemented by hydrogen rich gas from a compact plasma boosted reformer
SAE International Congress and Exposition	
1999-01-0002	Title: Development of a method to measure engine air cleaner fractional efficiency
1999-01-0003	Title: Determination of wear index to predict fuel filtration performance
1999-01-0135	Title: Effect of coolant type on engine operating temperatures
1999-01-0170	Title: Direct injection gasoline engines—Combustion and design
1999-01-0171	Title: A comparison of gasoline direct injection systems and discussion of development techniques
1999-01-0173	Title: Experimental and numerical approach to injection and ignition optimization of lean GDI-combustion behavior
1999-01-0174	Title: Influence of fuel injection timing over the performances of direct injection spark ignition engine
1999-01-0175	Title: Modeling fuel preparation and stratified combustion in a gasoline direct injection engine
1999-01-0176	Title: Intake flow simulation and comparison with PTV measurements
1999-01-0177	Title: Effect of air motion on fuel spray characteristics in a gasoline direct injection engine
1999-01-0178	Title: Numerical prediction of stratified charge distribution in a gasoline direct-injection engine—Parametric studies
1999-01-0198	Title: Spray-study equipment: Hot-gas supply and unit injector actuator for bomb studies
1999-01-0203	Title: Enhanced engine position acquisition and treatment
1999-01-0204	Title: Ion current sensing for spark ignition engines
1999-01-0205	Title: Characteristics of multi spark ignition system
1999-01-0206	Title: Barometric pressure estimator for production engine control and diagnostics
1999-01-0207	Title: Improvement of error in piezoelectric pressure transducer
1999-01-0208	Title: Measurement of residual gas fraction using a fast response NO sensor
1999-01-0209	Title: A novel approach to real-time estimation of the individual cylinder combustion pressure for S.I. engine control
1999-01-0212	Title: Engine breathing—Steady speed volumetric efficiency and its validity under transient engine operation
1999-01-0213	Title: Steady-flow loss-coefficient estimation for exhaust manifold pulse-converter type junctions
1999-01-0214	Title: Effects of pulsating flow on exhaust port flow coefficients
1999-01-0215	Title: Engine crankcase pumping flow model
1999-01-0216	Title: Identifiability of turbocharged IC engine models
1999-01-0217	Title: Inlet system choice of spark ignition engine based on numerical analysis of filling a cylinder
1999-01-0218	Title: Two-zone heat release analysis of combustion data and calibration of heat transfer correlation in an I.C. engine

1999-01-0219	Title: A three-zone model for investigation of gas behavior in the combustion chamber of SI engines in relation to knock
1999-01-0221	Title: Time irreversibility and comparison of cyclic-variability models
1999-01-0237	Title: A simple engine cooling system simulation model
1999-01-0266	Title: Technology for future air intake systems
1999-01-0283	Title: Output and fuel consumption of motorcycle multi-valve engines
1999-01-0287	Title: A study for wear and fatigue of engine bearings on rig test by using elastohydrodynamic lubrication analysis
1999-01-0314	Title: Plastic manifold rapid prototyping advances
1999-01-0315	Title: Plastic intake manifolds—Geometric growth for 7 years
1999-01-0319	Title: Top acoustic of plastic air intake manifolds
1999-01-0324	Title: Controlled combustion engines (CCE) Title: Development and application of enhanced compacted graphite iron for the bedplate of the new Chrysler 4.7 liter V-8 engine
1999-01-0325	
1999-01-0326	Title: Volvo-Cosworth 4.3 liter V-10 concept engine
1999-01-0327	Title: Design of SI engines in regard to volume production beyond Year 2000 Title: Using the 2nd law of thermodynamics to optimize variable valve timing for maximizing torque in a throttled SI engine
1999-01-0328	
1999-01-0329	Title: The Meta VVH system—The advantages of continuously mechanical variable valve timing
1999-01-0330	Title: Valve timing by means of a rotary actuator
1999-01-0336	Title: A dual material approach for P/M automotive camshaft timing sprockets
1999-01-0338	Title: Machinability improvement for sintered bearing cap of automobile engines by a method of surface modification
1999-01-0417	Title: Using DSPC to create production permanent mold for casting in-line, 4-cylinder head launching production in 120 days—A case study
1999-01-0497	Title: Fuel spray dynamics and fuel vapor concentration near the spark plug in a direct-injected, 4-valve SI engine
1999-01-0498	Title: Spray formation of high-pressure swirl gasoline injectors investigated by two-dimensional Mie and LIEF techniques
1999-01-0499	Title: Intake air velocity measurements for a motored direct- injection, spark-ignited engine
1999-01-0500	Title: Modeling of pressure-swirl atomizers for GDI engines
1999-01-0503	Title: A research on fuel spray and air flow fields for spark- ignited direct injection using laser measurement technology
1999-01-0504	Title: Optical investigations on a Mitsubishi GDI engine in the driving mode

1999-01-0505	Title: Characteristics of mixture formation in a direct-injection SI engine with optimized in-cylinder swirl air motion
1999-01-0506	Title: Application of design and development techniques for direct- injection, spark-ignition engines
1999-01-0527	Title: Development and validation of a detailed fuel injection system simulation model for diesel engines
1999-01-0528	Title: Scaling liquid-phase fuel penetration in diesel sprays based on mixing-limited vaporization
1999-01-0542	Title: Optimization of an electronic-throttle-control actuator for gasoline direct-injection engines
1999-01-0550	Title: The application of ionic current detection system for the combustion condition control
1999-01-0552	Title: An adaptive air/fuel ratio controller for SI engine throttle transients
1999-01-0554	Title: Spark-ignition engine fuel consumption modeling
1999-01-0555	Title: A parametric approach to spark-ignition engine inlet-port design
1999-01-0556	Title: A method of predicting brake-specific fuel consumption maps
	Title: Fluid dynamic modeling of the gas flow with chemical specie transport through the exhaust manifold of a four-cylinder SI engine
1999-01-0557	
1999-01-0558	Title: Applications of friction algorithms for rapid engine concept assessments
	Title: Simulation of the behavior of a flow control device for the high-pressure fuel injection pump of a spark-ignition engine
1999-01-0562	
1999-01-0563	Title: Effect of engine and fuel variables on liquid fuel transport into the cylinder in port-injected SI engines
1999-01-0564	Title: Multiple-hole nozzle atomization for SI engines
1999-01-0566	Title: Film atomization from valve surfaces during cold start
1999-01-0567	Title: Evaporation of in-cylinder liquid fuel droplets in an SI engine: A diagnostic-based modeling study
1999-01-0568	Title: Water injection effects in a single-cylinder CFR engine
1999-01-0570	Title: Observation of flame propagation in an LPG lean-burn SI engine
1999-01-0572	Title: The effect of NO _x knock in spark-ignition engines
1999-01-0573	Title: Extending lean misfire limit of methane-air mixtures by means of an enhanced spark discharge
1999-01-0574	Title: Development of engine for natural gas vehicle
1999-01-0575	Title: Triple stratification in a spark-ignition engine: The effect on the emissions at unthrottled light load
1999-01-0576	Title: Simulation of a cooling loop for a variable speed fan system
1999-01-0577	Title: Nucleate boiling investigations and the effects of surface roughness
1999-01-0578	Title: A review of precision engine cooling
1999-01-0609	Title: The effect of multiple spark discharge on the cold startability of an E85-fueled vehicle
1999-01-0611	Title: Development of a low-emission, dedicated ethanol-fuel vehicle with cold-start distillation system
1999-01-0621	Title: A new firing concept for internal combustion engines: "I'APIR"
1999-01-0623	Title: New cycles for automobile engines

1999-01-0641	Title: Ford Zetec-E, 14 engine timing belt drive
1999-01-0645	Title: Low cycle fatigue of aluminum cylinder heads—Calculation and measurement of strain under fired operation
1999-01-0742	Title: A steady-state vehicle model to predict engine and transmission performance
1999-01-0750	Title: An object-oriented modular simulation model for integrated gasoline engine and automatic transmission control
1999-01-0796	Title: Development of new iridium alloy for spark plug electrodes
1999-01-0798	Title: Measurement and modeling on wall-wetted fuel film profile and mixture preparation in intake port of SI engine
1999-01-0799	Title: Ignition systems for highly diluted mixtures in SI engines
1999-01-0854	Title: Towards robust H-infinity control of an SI engine's air/fuel ratio
	Title: A crank angular velocity based method for engine IMEP measurement for idle quality investigation and adaptive ignition time trimming to improve idle quality
1999-01-0855	
1999-01-0856	Title: An air-meter-based cylinder air charge estimator
1999-01-0857	Title: Air/fuel ratio control using upstream models in the intake system
1999-01-0858	Title: Application of nonlinear transformations to A/F ratio and speed control in an IC engine
1999-01-0860	Title: Model-based diagnosis of both sensor-faults and leakage in the air-intake system of an SI engine
1999-01-0883	Title: Design and life performance of valve stem seals
1999-01-0884	Title: Metered leakage prediction for reciprocating valve stem seals
1999-01-0885	Title: Further finite element analysis of reciprocating valve stem seals
1999-01-0905	Title: Development and validation of a model for mechanical efficiency in a spark-ignition engine
1999-01-0906	Title: Cylinder-by-cylinder engine models versus mean value engine models for use in powertrain control applications
1999-01-0907	Title: Integrated engine/vehicle simulation and control
1999-01-0909	Title: Mean value engine modeling of an SI engine with EGR
1999-01-0921	Title: Numerical simulation of a two-stroke liner engine-alternator combination
1999-01-0935	Title: Evaluating piezo-electric transducer response to thermal shock from in-cylinder pressure data
1999-01-0957	Title: Study of the flow field development during the intake stroke in an IC engine using 2-D PIV and 3-D PTV
1999-01-1079	Title: Laboratory and engine studies of the effect of NO _x on the response of heated exhaust gas oxygen sensors
	Title: Quantitative measurements of residual and fresh charge mixing in a modern SI engine using spontaneous Raman scattering
1999-01-1106	
1999-01-1107	Title: Cycle-by-cycle mixture strength and residual-gas measurements during cold starting

1999-01-1108	Title: Diagnostics for the study of cold-start mixture preparation in a port fuel-injected engine
1999-01-1109	Title: The application of phosphorescent particle tracking (PPT) to the visualization of gas flows in the cylinder of a 1.8-liter, 4- valve engine
1999-01-1110	Title: In-cylinder mixing rate measurements and CFD analyses
1999-01-1115	Title: A study on the possibility of estimation of in-cylinder pressure by means of measurement of spark gap breakdown voltage
1999-01-1161	Title: Robust AFR estimation using the ion current and neural networks
1999-01-1162	Title: Spark advance control using the ion current and neural soft sensors
1999-01-1164	Title: Improving real-time SI engine models by integration of neural approximators
1999-01-1165	Title: A neural estimator for cylinder pressure and engine torque
1999-01-1169	Title: Air-fuel ratio control for a high-performance engine using throttle angle information
1999-01-1170	Title: The determination of air/fuel ratio differences between cylinders in a production engine using exhaust gas oxygen sensors
1999-01-1178	Title: 2-D simulation of ignition induced by electrical discharges
1999-01-1179	Title: The effects of charge nonuniformity on autoignition in a gas- fueled motored engine
1999-01-1181	Title: Optimum parameter design of an air-shrouded injector using two-phase flow analysis
1999-01-1183	Title: A comparison of experimental and analytical steady-state intake port flow data using digital physics
1999-01-1184	Title: Efficient CFD simulations for in-cylinder flows using hybrid grids
1999-01-1185	Title: Rapid CFD simulation of internal-combustion engines
1999-01-1186	Title: Multi-dimensional wave propagation in pipe junctions
1999-01-1187	Title: Improvement of the pressure solver in KIVA
1999-01-1219	Title: Piston ring cylinder liner scuffing phenomenon: Investigation, simulation and prevention
1999-01-1220	Title: Frictional characteristics of plasma-spray-coated cylinder bores
1999-01-1222	Title: Two-dimensional numerical analysis of piston ring lubrication of an internal combustion engine
1999-01-1223	Title: Fault detection in internal combustion engines by the vibrations analysis method
1999-01-1225	Title: Influence of crankshaft material and design of the NVH characteristics of a modern, aluminum block, V-6 engine
1999-01-1226	Title: Development of a small pitch silent chain for a single-stage cam drive system
1999-01-1228	Title: A statistical investigation of high-frequency radiated noise from a composite nylon intake manifold
1999-01-1229	Title: Vibration property analysis of turbocharger blade
1999-01-1245	Title: Experimental investigations of a novel modular pulse converter turbocharging system for vehicle engines
1999-01-1247	Title: Fuel consumption and emission reduction of a small two-stroke engine through air-assisted fuel injection and delayed-charging

1999-01-1248	Title: Development of a direct-injection concept for two wheelers equipped with two-stroke engines
1999-01-1250	Title: Numerical study of scavenging flow in poppet-valved, two- stroke engines
1999-01-1251	Title: A new look at two-stroke engines for passenger cars in light of PNGV goals for the coming decade
1999-01-1252	Title: Methods to evaluate in-cylinder heat transfer and thermal load in the small internal combustion engines
1999-01-1284	Title: Motronic MED7 for gasoline direct-injection engines: Engine management system and calibration procedures
1999-01-1314	Title: A semi-empirical model of fuel transport in intake manifolds of SI engines and its application in transient conditions
1999-01-1319	Title: A new wear tester to determine valve seat insert wear resistance
1999-01-1329	Title: Quantification and reduction of IMEP errors resulting from pressure transducer thermal shock in an S.I. engine
900025	Title: Theoretical and experimental investigation of knock induced surface destruction
900448	Title: Analysis and development of camshaft drive systems using a computer simulation model
900616	Title: Mean value modeling of spark ignition engines
900649	Title: A new Nissan 3.0-liter V-6 twin-cam twin-turbo engine with dual intake and exhaust systems
900650	Title: Design and development of the new Audi 3.6 litre, 32 valve V8 engine
900651	Title: Development of a new-generation high-performance 4.5-liter V8 Nissan engine
900655	Title: Three dimensional CAD/CAM design of a four valve four cylinder aluminum head
900676	Title: A rapid wave action simulation technique for intake manifold design
900712	Title: Knock effects on spark-ignition engine emission and performance
900799	Title: A variable tuning electronically controlled high pressure injection system for 2T SI engines
900852	Title: Turbocharging the Chrysler 2.5 liter engine
910041	Title: The effect of crank angle resolution on cylinder pressure analysis
910042	Title: Measurement of cylinder bore deformation during actual operating engines
910268	Title: Numerical modeling of SI engine combustion with a flame sheet model
910302	Title: Modeling the spark ignition engine warm-up process to predict component temperatures and hydrocarbon emissions
910347	Title: Estimation of total engine loss and engine output in four stroke S.I. engines
910431	Title: Nissan's new V8 and L4 aluminum cylinder block
910558	Title: The effect of piston temperature on hydrocarbon emissions from a spark-ignited direct-injection engine
910663	Title: Two-stroke engine technology in the 1990's
910676	Title: Saturn DOHC and SOHC four cylinder engines

910677	Title: A new 1.6-liter twin-cam 16-valve Nissan engine
910678	Title: The new Audi V6 engine
910679	Title: General Motors 3.4L twin dual cam V6 engine
910680	Title: Ford's all new 4.6 liter SOHC V-8 engine for the Lincoln Town car
910683	Title: Review of Saturn's powertrain analysis methodology
910685	Title: The General Motors supercharged 3800 engine
910835	Title: Production process of metal matrix composite (MMC) engine block
920254	Title: Dynamic engine testing
920396	Title: Power plant systems and the role of CAE—Part I exhaust systems
920449	Title: Strategies to improve SI-engine performance by means of variable intake lift, timing and duration
920482	Title: Engine friction modeling
920489	Title: A review of engine bearing analysis methods at General Motors
920571	Title: Development of engine valve seats directly deposited onto aluminum cylinder head by laser cladding process
920586	Title: 3D simulation of induction port flow of a four-valve engine configuration
920589	Title: Multi-dimensional modeling of turbulent pre-mixed charge combustion
920671	Title: The Northstar DOHC V-8 engine for Cadillac
920672	Title: Development of a compact 3-liter V6 Nissan engine
920673	Title: New generation small block V8 engine
920674	Title: The Mercedes-Benz group C engines for the world sports prototype racing championships 1989 and 1990
920676	Title: General Motors high performance 4.3L V6 engine
920677	Title: Mazda new lightweight and compact V6 engines
920679	Title: A refinement of flame propagation combustion model for spark- ignition engines
920681	Title: A new generation of tools for accurate thermo-mechanical finite element analyses of engine components
920682	Title: The analysis of mean value SI engine models
920683	Title: Mathematical calculation of the performance map of internal combustion engine
920685	Title: Tuning of intake manifold of an internal combustion engine using fluid transmission line dynamics
920782	Title: Effect of port sizes and timings on the scavenging characteristics of a uniflow scavenged engine
920784	Title: High performance forged steel crankshafts—Cost reduction opportunities
920809	Title: Exergetic analysis of ethanol and gasoline fueled engines
930019	Title: The use of radioactive tracer technology to measure engine ring wear in response to dust ingestion

930059	Title: The modifying of a camshaft profile to decrease acceleration and jump of a valve of a high speed combustion engine
930060	Title: Application of rotational transformation of flow to improve engine air induction system
930067	Title: A method of evaluation for skin friction and heat transfer in the cylinder of an internal combustion engine using a boundary layer resolution
930068	Title: Engine coolant flow simulation—A correlation study
930070	Title: A CFD study of a 4-valved, fuel injected two-stroke spark ignition engine
930085	Title: Development of a plastic intake manifold
930086	Title: Design of an EGR interface for thermoplastic intake manifolds
930087	Title: Composite thermoplastic air intake manifold for the General Motors 3800 V6 engine
930089	Title: Advantages of thermoset composites in automotive engine applications
930117	Title: New high performance facing materials for cylinder head gasket applications
930118	Title: Process and performance modelling of gasket components
930122	Title: New evaluation method of metal head gasket
930215	Title: Air flow metering and combustion control for spark ignition engines
930216	Title: Relationship between monochromatic gas radiation characteristics and SI engine combustion parameters
930217	Title: Combustion chamber temperature and instantaneous local heat flux measurements in a spark ignition engine
930224	Title: Development of elliptical piston engine for motorcycle
930273	Title: Piston design for the nineties
930295	Title: A numerical evaluation of the thermal effect of the new V6 engine on the underhood environment of the 1993 Opel vectra
930315	Title: Adaptive control of individual cylinder ignition timing for improvement of idle stability
930316	Title: Powerplant systems and the role of CAE—Part II crankshafts
930324	Title: Evaluation of engine operating characteristics on a fluidic device based fuel injection system
930326	Title: Numerical simulation system for analyzing fuel film flow in gasoline engine
930329	Title: The use of fuel by spark ignition engines
930331	Title: Sub-zero cold starting of a port-injected M100 engine using plasma jet ignition and prompt EGR
930397	Title: Measurement and analysis of intra-cyclic RPM changes
930398	Title: Road test results of an I-C engine misfire detection system
930431	Title: Preliminary heat release analysis in a single-cylinder two-stroke production engine
930463	Title: The effects of charge motion on early flame kernel development

930464	Title: Simultaneous application of optical spark plug probe and head gasket ionization probe to a production engine
930478	Title: An experimental study of in-cylinder air flow in a 3.5L four-valve SI engine by high speed flow visualization and two-component LDV measurement
930479	Title: Turbulence production and relaxation in bowl-in-piston engines
930481	Title: Influence of the velocity near the spark plug on early flame development
930495	Title: Intake port flow in a fired two-stroke engine
930500	Title: Scavenging flow simulation of a four-poppet-valved two-stroke engine
930501	Title: Correlation of an alternative method for the prediction of engine performance characteristics with measured data
930503	Title: The effect of ambient pressure on the performance map of a two-stroke SI engine
930608	Title: The application of steady-flow loss correlations to intake manifold design
930609	Title: Numerical simulation of unsteady flow in engine intake manifolds
930610	Title: A wall friction model for one-dimensional unsteady turbulent pipe flows
930613	Title: Comparison of measured and predicted combustion characteristics of a four- valve S.I. engine
930615	Title: Modeling and measurement techniques for valve spring dynamics in high revving internal combustion engines
930616	Title: Analysis of dynamic interactions in valve train systems of IC-engines by using a simulation model
930617	Title: An investigation of load force and dynamic error magnitude using the lumped mass connecting rod model
930619	Title: Development of high fatigue strength free machining microalloyed steel for connecting rods
930626	Title: Computer simulation of an I.C. engine during cranking by a starter motor
930685	Title: Development of a reciprocating test rig for tribological studies of piston engine moving components—Part I: rig design and piston ring friction coefficients measuring method
930686	Title: Development of a reciprocating test rig for tribological studies of piston engine moving components—Part II: measurement of piston ring friction coefficients and rig test confirmation
930715	Title: Examination of hydrocarbon emission mechanisms in a flame propagation engine model
930766	Title: Engine air-fuel ratio control using an event-based observer
930773	Title: Gasification of porous combustion chamber deposits in a spark ignition engine
930793	Title: An integrated design analysis methodology to address piston tribological issues
930794	Title: Piston/ring assembly friction modeling by similarity analysis
930796	Title: Effect of cylinder bore out-of-roundness on piston ring rotation and engine oil consumption
930797	Title: Fire ring wear analysis for a piston engine
930818	Title: Type synthesis of mechanisms for variable valve actuation

930819	Title: A self-energizing dual-phase-shift camshaft timing pulley
930825	Title: The practical application and effects of a variable event valve timing system
930859	Title: Model-based multivariable speed and air-to-fuel ratio control of an SI engine
930860	Title: Robust, self-calibrating lambda feedback for SI engines
930865	Title: High-speed spectral infrared imaging of spark ignition engine combustion
930867	Title: Turbulence effects on developing turbulent flames in a constant volume combustion chamber
930868	Title: Visualization of flow/flame interaction in a constant-volume combustion chamber
930871	Title: Fuel and flame imaging in SI engines
930872	Title: Two-color particle image velocimetry in an engine with combustion
930873	Title: Toyota lean combustion system—The third generation system
930875	Title: Chrysler 3.5 liter V-6 engine
930876	Title: A new 4.5 liter in-line 6 cylinder engine, 1FZ-FE for the Toyota land cruiser
930877	Title: Influencing engine design using computational fluid dynamics
930878	Title: Development of a new multi-mode variable valve timing engine
930879	Title: Development of HMC axially stratified lean combustion engine
930883	Title: Optimization of the heat flow distribution in the engine compartment
930884	Title: Application of design of experiments to determine the leading contributors to engine valvetrain noise
930912	Title: New technologies for engine valve springs
930980	Title: Design of a blower-scavenged, piston-ported, V6, two-stroke automotive engine
930982	Title: An experimental investigation to optimize the performance of a supercharged two-stroke engine
930983	Title: A two-stroke cycle engine with poppet valves in the cylinder head part III—An application of gaseous fuel direct injection system
931022	Title: Fretting phenomenon on outer surface of connecting rod bearings for automotive engines
931025	Title: A model for predicting residual gas fraction in spark-ignition engines
940152	Title: Interactive engine development—A new approach
940200	Title: A practical recirculating spark ignition power plant
940201	Title: Examination of the factors that influence the durability of railplugs
940205	Title: Geometric parameters of four-valve cylinder heads and their relationship to combustion and engine full load performance
940206	Title: Study of intake system wave dynamics and acoustics by simulation and experiment
940207	Title: Concurrent simulation and testing concept in engine development
940208	Title: A new model for fuel supply dynamics in an SI engine
940210	Title: Optimal design of the intake system in 4-s.i.c.e.

940214	Title: The analysis of the dynamic contact stresses occurring in the valve-camshaft system of the internal combustion engine
940279	Title: Characterization of intake-generated flow fields in I.C. engines using 3-D particle tracking velocimetry (3-D PTV)
940280	Title: Use of experimentally measured in-cylinder flow field data at IVC as initial conditions to CFD simulations of compression stroke in I.C. engines—A feasibility study
940282	Title: Application of LIPA (Laser Induced Photochemical Anemometry) to the water analog model of a four-stroke IC engine
940288	Title: Design optimization of automotive powertrain gaskets and seals using CAE techniques
940290	Title: A system for the static and dynamic measurement of cylinder head to block separation in operating engines
940292	Title: Elastomer moulded gaskets for stationary structural components in combustion engines
940307	Title: Optimization of swirl and tumble in KMC 2.4L lean burn engine
940346	Title: Combustion chamber deposit measurement techniques
940385	Title: Combustion chamber deposit interference effects in late model vehicles
940393	Title: Scavenging of a firing two-stroke spark-ignition engine
940394	Title: Investigation of the fuel distribution in a two-stroke engine with an air-assisted injector
940396	Title: A generic engine simulation program applied to the development of a V6 automotive two-stroke engine
940397	Title: Development of a pumpless air-assisted injection system for two-cycle, S.I. engines
940402	Title: Theoretical and experimental investigations of pressure die cast cylinder with pressed conical sleeve applied in two-stroke low-power engine
940429	Title: The Northstar cam bearing caps: A new application for aluminum P/M
940430	Title: Automotive main bearing caps manufactured by powder metallurgy
940444	Title: The influence of mixture preparation on a warm 1.9L Ford engine
940447	Title: Measurement of the wall-wetting dynamics of a sequential injection spark ignition engine
940449	Title: New variable intake and mixture formation system for multi- valve SI engines
940452	Title: A critical study of the dual versus single plug systems in S.I. engines
940475	Title: Flow and combustion in a four-valve, spark-ignition optical engine
940522	Title: An investigation of steady flow through a curved inlet port
940526	Title: Numerical prediction of fuel secondary atomization behavior in SI engine based on the oval-parabola trajectories (OPT) model
940546	Title: A PC-based fuel and ignition control system used to map the 3- D surfaces of torque and emissions versus air-fuel ratio and ignition timing

940547	Title: Synchronous, simultaneous optimization of ignition timing and air-fuel ratio in a gas-fueled spark ignition engine
940554	Title: Valve lifter guides—The development of a nylon internal engine component
940607	Title: The effect of engine mounts on the noise and vibration behavior of vehicles
940608	Title: High performance active noise control system for engine noise in a car cabin
940609	Title: Vehicle interior noise prediction using sound intensity measurement
940614	Title: Effect of resonator location on resonator effectiveness using NASTRAN mode shape prediction analysis and LAMPS acoustic model
940660	Title: Rapid engine development system for internal combustion engines: from concept to production validation
940685	Title: Spatially resolved determination of the turbulent flame speed from CH band emission measurements under engine conditions
940687	Title: Early flame acceleration measurements in a turbulent spark- ignited mixture
940689	Title: Torsional response of automotive timing chain systems
940690	Title: A new approach for analyzing load distribution of toothed belts at steady states using FEM
940691	Title: Improvement of multi-layer aluminum-silicon-tin bearings for high power engines through a reinforced intermediate layer
940693	Title: Achieving a selected load distribution in the bolted joint of a cylinder head of highly variable stiffness and contact geometry
940694	Title: Analysis of stick-slip noise of piston ring
940695	Title: Engine experiments on the effects of design and operational parameters on piston secondary motion and piston slap
940696	Title: A numerical model of piston secondary motion and piston slap in partially flooded elastohydrodynamic skirt lubrication
940699	Title: Three dimensional crankshaft vibration analysis including gyroscopic effect
940758	Title: A preliminary study of chemically enhances autoignition in an internal combustion engine
940792	Title: Oil aeration in high speed combustion engines
940841	Title: On-road tests using small crankcase-supercharged 4-stroke cycle engines
940847	Title: Development of aluminum powder metallurgy composites for cylinder liners
940888	Title: The development and performance simulation of polychloroprene high temperature bush type engine mount
940948	Title: Effect of elevated piston temperature on combustion chamber deposit growth
940958	Title: Polyacrylate elastomers in engine gasket applications
940973	Title: Predictive engine spark timing control

940975	Title: Road tests of a misfire detection system
940986	Title: Optimization of in-cylinder flow and mixing for a center-spark four-valve engine employing the concept of barrel-stratification
940987	Title: Cyclic variability in spark ignition engines—A literature survey
940988	Title: PLIF measurements of the cyclic variation of mixture concentration in a SI engine
940989	Title: Time-resolved measurement of fuel transient behavior and cycle to cycle variation of local fuel/air equivalence ratio in gasoline engines
940990	Title: The influence of different frequencies in the turbulence on early flame development in a spark ignition engine.
940991	Title: Development of a new-generation lightweight 3-liter V6 Nissan engine
940992	Title: An analysis of friction reduction techniques for the direct- acting valve train system of a new-generation lightweight 3-liter V6 Nissan engine
940993	Title: Application of prediction noise and vibration analysis to the development of a new-generation lightweight 3-liter V6 Nissan engine
940994	Title: Manufacturing methods for a new-generation lightweight 3-liter V6 Nissan engine
940995	Title: Weight reduction and nose refinement of the Hyundai 1.5 liter powertrain
940996	Title: Air and liquid cooled aluminum engine block development
941049	Title: Testing of elastomer gaskets for rocker covers under simulated operating conditions
950012	Title: Detailed engine mapping using E-DACS for thorough performance analysis
950028	Title: Measurement of engine friction power by using inertia tests
950029	Title: (Test developed for) Classifying valve bridge cracking solutions in cylinder heads
950044	Title: A new method to analyze fuel behavior in a spark ignition engine
950065	Title: Fuel effects and enrichment effects on engine starting and warm-up behavior
950066	Title: Air flow characteristics during transient condition of SI engine with multi-point injections type manifold
950067	Title: Fuel transport characteristics of spark ignition engines for transient fuel compensation
950076	Title: In-cylinder air fuel ratio and combustion control for spark ignition engines
950093	Title: Development of a unique fuel flexible engine, Part I: Engine design and physical model
950096	Title: Development of a unique fuel flexible engine, Part II: Thermodynamic model analysis
950101	Title: Streamline visualization by laser sheet imaging—A useful complementary optimization tool for intake manifold design
950102	Title: Particle tracking velocimetry—A powerful tool to shape the in- cylinder flow of modern multi-valve engine concepts

950104	Title: In-cylinder fuel distribution, flow field, and combustion characteristics of a mixture injected SI engine
950105	Title: Single-shot temporally and spatially resolved chemiluminescence spectra from an optically accessible SI engine
950106	Title: In-cylinder charge homogeneity during cold-start studied with fluorescent tracers simulating different fuel distillation temperatures
950107	Title: Controlling combustion in a spark ignition engine by quantitative fuel distribution
950108	Title: Investigations of the influence of mixture preparation on cyclic variations in a SI-engine, using laser induced fluorescence
950109	Title: A model for converting SI engine flame arrival signals into flame contours
950110	Title: Fuel distributions in a firing direct-injection spark-ignition engine using laser-induced fluorescence imaging
950119	Title: Study of anti-corrosive property of engine coolant for aluminum cylinder heads
950162	Title: Single-surface flame quenching distance dependence on wall temperature, quenching geometry and turbulence
950164	Title: Spark spectroscopy for spark ignition engine diagnostics
950165	Title: Development experience of a multi-cylinder C CVS engine
950201	Title: Development of Yamaha Tumble Induction Control System (YTIS)
950202	Title: An experimental study of connecting rod big ends
950224	Title: In-cylinder flow measurement and its application for cyclic variation analysis in a two-stroke engine
950225	Title: Studies on the cyclic variations of single cylinder two-stroke engines—Cycle analysis
950226	Title: Driveability evaluation in two-stroke engine at part throttle operation by torque map
950227	Title: Investigating scavenge pressure of a two-stroke engine with a view to alleviate thermal conditions
950269	Title: Ram-tuned and air-assisted direct fuel injection systems applied to a SI two-stroke engine
950270	Title: An experimental comparison between air-assisted injection system and high pressure injection system at 2-stroke engine
950271	Title: Spray formation of air-assist injection for two-stroke engine
950272	Title: A new simplified carburetor for small engines
950273	Title: Prepared discussion of "a new simplified carburetor for small engines"
950274	Title: Numerical analysis of gasoline engine coolant flow
950286	Title: Full cycle computational fluid dynamics calculations in a motored four valve pent room combustion chamber and comparison with experiment
950287	Title: Computation and measurement of flow and combustion in a four- valve engine with intake variations

950328	Title: Sealing performance of an embossed rubber coated metal gasket
950366	Title: Trap protection by limiting A/F ratio during regeneration
950389	Title: Development of hard sintered tappet and new testing method
950390	Title: Sinter diffusion bonded idler sprocket of automotive engine
950412	Title: HAI operation in a hydrogen-only mode for emission control at cold start
950417	Title: Automotive engine modeling for real-time control using MATLAB/SIMULINK
950457	Title: Studies of mixture preparation in a spark-ignition engine using Interferometric Laser Imaging for Droplet Sizing (ILIDS)
950460	Title: Fuel distribution effects on the combustion of a direct- injection stratified-charge engine
950469	Title: Combustion chambers for natural gas SI engines—Part I: fluid flow and combustion
950486	Title: Structural design and evaluation of composite closure systems for under-the-hood applications
950506	Title: The spray characteristics of automotive port fuel injection—A critical review
950507	Title: Influence of injection timing on in-cylinder fuel distribution in a Honda VTEC-E engine
950508	Title: Fuel droplet entrainment studies for minimization of cold- start wall-wetting
950511	Title: Spray formation observation and fuel film development measurements in the intake of a spark ignition engine
950517	Title: Combustion chambers for natural gas SI engines. Part 2: combustion and emissions
950540	Title: A new technique for measuring the deformation of cylinder bores during engine operation
950541	Title: Analysis of cylinder bore distortion during engine operation
950544	Title: The effect of length on the acoustic attenuation performance of concentric expansion chambers: an analytical, computational, and experimental investigation
950584	Title: Optimum design of engine and body mounts at total system level using unconstrained minimization
950618	Title: Convective heat transfer for pulsating flow in the takedown pipe of a V-6 engine
950648	Title: 3-D LDV measurement of in-cylinder air flow in a 3.5L four- valve SI engine
950678	Title: Analysis of fuel behavior in the spark-ignition engine start- up process
950680	Title: An experimental study of combustion chamber deposits and their effects in a spark-ignition engine
950683	Title: Cyclic variations in a lean-burn spark-ignition engine without and with swirl
950685	Title: Development of KMC 2.4L lean burn engine
950686	Title: Heat transfer to the combustion chamber walls in spark- ignition engines
950687	Title: The impact of combustion phasing on cycle-by-cycle performance of a spark-ignition engine
950688	Title: Development of the stratified charge and stable combustion method in DI gasoline engines
950689	Title: Optimum control of an S.I. engine with a Lambda=5 capability
950690	Title: Studies of knock in a spark-ignition engine with "CARS" temperature measurements and using different fuels

950709	Title: Fatigue analysis of crankshafts using nonlinear transient simulation techniques
950720	Title: Influence of material and mechanical properties on thermal fatigue life of aluminum castings
950725	Title: Reynolds stress components in the flow field of a motored reciprocating engine
950726	Title: An investigation of fluid flow during induction stroke of a water analog model of an IC engine employing LIPA
950727	Title: A study of the cycle-to-cycle variation of in-cylinder flow in a motored engine through digital image processing of visualized images
950728	Title: A dynamic water flow visualization rig for automotive combustion system development
950729	Title: Characterization of barrel swirl motion under steady flow conditions
950730	Title: Barrel-swirl behavior in a four-valve engine with pentroof chamber
950741	Title: Mechanism of combustion chamber deposit interference and effects of gasoline additives on CCD formation
950743	Title: A test technique to evaluate the injector nozzle deposit formation tendency of a spark-ignition fuel
950744	Title: A technique for evaluating octane requirement additives in modern engines on dynamometer test stands
950765	Title: A probabilistic gasket design method
950805	Title: New light-weight 3-liter V6 Toyota engine with high-output torque, good fuel economy and low-exhaust emission levels
950806	Title: Analytical engine design methods: a review
950811	Title: Powertrain systems definition process
950813	Title: Turbulence and cycle-by-cycle variation of mean velocity generated by swirl and tumble flow and their effects on combustion
950814	Title: Cycle-by-cycle variations in combustion and mixture concentration in the vicinity of spark plug gap
950815	Title: Tickford five valve per cylinder technology for optimized performance and combustion
950816	Title: The application of a lost motion VVT system to a DOHC SI engine
950817	Title: Practical use of two piston ring set for gasoline engine
950818	Title: Parametric design of helical intake ports
950846	Title: Model-based air-fuel ratio control of a lean multi-cylinder engine
950935	Title: Stress analysis and design optimization of carbon piston
950936	Title: A review of ion nitrided piston ring surface treatment development and the resultant ability to provide improved operating capability
950937	Title: Effect of piston top ring design on oil consumption
950938	Title: An experimental study of the effect of cylinder bore finish on engine oil consumption
950939	Title: Oil separation in crankcase ventilation—New concepts through system analysis and measurements

950940	Title: Titanium alloy bar suitable for highly efficient wear- resistance treatment
950942	Title: Finite element study of a composite material sump pan of an I.C. engine
950948	Title: Experimental and analytical evaluation of contoured thrust bearings
950951	Title: AlSn10Ni2MnCu—A new high strength Al-bearing material
950952	Title: Development of new aluminum alloy bearing with overlay
950953	Title: An advanced aluminum-tin-silicon engine bearing alloy and its performance characteristics
950992	Title: Response of aluminum alloys to temperature exposures observed in automotive service
950994	Title: Insulated expansion tank (IET) and thermal storage for engine cold start
951001	Title: Near-wall unsteady premixed flame propagation in SI engines
951003	Title: Effects of swirl and spark plug shape on combustion characteristic in a high speed single-shot visualized SI engine
951004	Title: Experimental study on spark ignition of flowing combustible mixtures
951005	Title: Analysis of knocking mechanism applying the chemical luminescence method
951006	Title: A jet dispersed combustion (JDC) method to stimulate lean burning in SI piston engines
951013	Title: Underhood thermal management by controlling air flow
951015	Title: Air flow and heat transfer analysis of an automotive engine radiator to calculate air-to-boil temperature
951035	Title: Extended oil drain intervals: Conservation of resources or reduction of engine life?
951037	Title: Effects of lubricant composition on fuel efficiency in modern engines
951057	Title: Throttle body at engine idle—Tolerance effect on flow rate
960011	Title: A method of estimating gasoline engine performance
960012	Title: 1996 GM 7.4 liter engine upgrade
960013	Title: Bench test for scuff evaluation of surface modified piston and bore materials
960014	Title: A diamond-like carbon coating for aluminum alloy piston/bore application
960017	Title: Classical engine design calculations using spreadsheets
960037	Title: Modeling of the intake manifold filling dynamics
960039	Title: An overview of misfiring cylinder engine diagnostic techniques based on crankshaft angular velocity measurements
960040	Title: Instantaneous crankshaft torque measurement in cars
960065	Title: Mixture formation during cold starting and warm-up in spark ignition engines
960069	Title: Extent of oxidation of hydrocarbons desorbing from the lubricant oil layer in spark-ignition engines
960070	Title: Modeling near wall temperature gradients in "motored" spark ignition engines
960071	Title: Sensitivity of pressure rise to spark energy and flame travel velocity in a spark ignition engine
960072	Title: Combustion modeling in SI engines with a peninsula-fractal combustion model

960073	Title: A global model for steady-state and transient S.I. engine heat transfer studies
960074	Title: Unsteady multiphase intake flow in a port-injected gasoline engine
960075	Title: Application of fluid dynamics model to estimate cylinder intake volume
960078	Title: Comparison studies on the method of characteristics and finite difference methods for one-dimensional gas flow through IC engine manifold
960079	Title: Flow modeling for the branches intake manifold engine
960080	Title: Ideal computer analysis of a novel engine concept
960081	Title: An experimental study on premixed-charge compression ignition gasoline engine
960082	Title: A conceptualized design of a two-stage combustion engine system
960084	Title: Combustion stimulation by external gas jet in an SI piston engine
960086	Title: Development of an ideal air model and test data for the Holtzman engine
960087	Title: Development of a new concept engine for an ATV
960088	Title: Performance of SI engine using a rotary-disk novel carburetor
960089	Title: The hydrocycle rocket free-piston instant-conversion adiabatic engine and one-range, infinitely variable hydrostatic transmission system
960109	Title: Optimum fuel injection's nozzle design and maximum allowable delay to initiate combustion
960111	Title: Fuel atomization by flashing of a volatile liquid in a liquid jet
960115	Title: Spray targeting inside a production-type intake port of a 4-valve gasoline engine
960145	Title: Using predictive acoustic analysis to evaluate noise issues in under hood applications
960146	Title: Development of damping SMC and its application as material for a rockercover
960150	Title: A new material for automotive powertrain applications: olefin-based engineering polymer alloys
960185	Title: Reduction of noise and vibration in vehicles by an appropriate engine mount system and active absorbers
960208	Title: Engine valve stem seal, oil leakage control technology and performance
960212	Title: The new challenge for sealant supplier—A partnership with the automotive industry
960218	Title: Application of advanced finite element techniques to the design and development of automotive gaskets
960265	Title: Tumble flow and turbulence characteristics in a small four-valve engine
960266	Title: In-cylinder fluid motion and mixing of a dual intake valve spark ignition engine
960270	Title: Numerical & experimental study of three-dimensional flow in engine room
960273	Title: Heat transfer measurements in the intake port of a spark ignition engine
960275	Title: Effect of coolant mixture composition on engine heat rejection rate
960281	Title: Lubrication pump made of rapidly solidified aluminum alloy for high performance engine

960297	Title: Practical experience with passenger car engine blocks produced in high quality compacted graphite iron
960298	Title: Simulating the dynamic behavior of chain drive systems by advanced CAE programs
960299	Title: Pitch difference and belt tooth configuration effect on load distribution of timing belt using FEM analysis
960304	Title: A review of ceramic tribology and application of Si-based ceramics to engine valves/seat inserts
960305	Title: Study on mechanism of lubricating oil consumption caused by cylinder bore deformation
960306	Title: PIFFO - piston friction force measurements during engine operation
960351	Title: Dynamic model and computer simulation of valve train assemblies with hydraulic lash adjuster
960352	Title: Pushrod modeling and valvetrain dynamics of high speed IC engines
960353	Title: Effect of cranktrain torque on automotive timing chain drive responses
960354	Title: Determination of optimal counterweight configurations for multithrow crankshafts
960355	Title: Development of a locally nondimensional, mathematically symmetric cam profile for optimal camshaft design
960356	Title: Piston ring conformability in a distorted bore
960357	Title: Numerical and experimental study of friction on a single cylinder CFR engine
960358	Title: Use of an implicit filtering algorithm for mechanical system parameter identification
960359	Title: ODECS—A computer code for the optimal design of S.I. engine control strategies
960360	Title: Pro-Ject air-assisted fuel injection system for two-stroke S.I. engines
960362	Title: Numerical analysis of the performances of small two-stroke engine with direct injection
960363	Title: Automotive calibration of the IAPAC fluid dynamically controlled two-stroke combustion process
960364	Title: Diaphragm injection carburetor (DIC) for stratified-scavenging of small two-stroke gasoline engine
960365	Title: Diaphragm fuel injection system (DFI) for stratified-charging of small two-stroke engine
960366	Title: The effect of transfer port geometry on scavenge flow velocities at high engine speed
960367	Title: Study on exhaust control valves and direct air-fuel injection for improving scavenging process in two-stroke gasoline engines
960369	Title: Measurements and analysis of the exhaust noise of single-cylinder two-stroke engines
960383	Title: PM-connecting-rods: porosity versus performance—An inevitable conflict?
960460	Title: Effect of fuel atomization on the lean-burn characteristics under steady condition in a spark-ignition engine
960462	Title: Method and systems for power control of internal combustion engines using individual cycle cut-off
960463	Title: Diagnosis of the working unevenness of each cylinder by the transient crankshaft speed
960465	Title: Gasoline direct injection: actual trends and future strategies for injection and combustion systems

960466	Title: On the causes of in-cylinder air-fuel ratio excursions during load and fuelling transients in port-injected spark-ignition engines
960467	Title: A model of droplet thermodynamic and dynamic behavior in the port of a port-injected engine
960468	Title: Results of a computer model of droplet thermodynamic and dynamic behavior in the port of a port-injected engine
960495	Title: Correlation between knock intensity and heat transfer under light and heavy knocking conditions in a spark ignition engine
960496	Title: Spark-ignition engine knock control and threshold value determination
960497	Title: A review of the effect of engine operating conditions on borderline knock
960546	Title: Application of QFD correlation matrix technology to engine development time
960579	Title: A newly developed intelligent variable valve timing system—Continuously controlled cam phasing as applied to a new 3-liter in-line-6 engine
960580	Title: A comparative study of variable camshaft phasing and port throttling for performance and emissions
960581	Title: Camless engine
960582	Title: The effect of valve strategy on in-cylinder flow and combustion
960583	Title: Development of a lean-burn engine with a variable valve timing mechanism
960584	Title: Comparison of variable camshaft timing strategies at part load
960585	Title: Effect of early closing of intake-valve on the engine performance in a spark-ignition engine
960586	Title: Influence of late intake-valve opening on the S.I. engine performance in idle condition
960587	Title: Port throttling and port de-activation applied to a 4-valve SI engine
960588	Title: Controlling the load and the boost pressure of a turbocharged SI engine by means of early intake-valve closing
960590	Title: An initial study of variable valve timing implemented with a secondary valve in the intake runner
960600	Title: Combustion control technologies for direct injection SI engine
960603	Title: A study of combustion of hydrogen-enriched gasoline in a spark ignition engine
960605	Title: Design and evaluation of a low emission spark ignition engine cylinder head
960606	Title: The effects of electrode design on mixture ignitability
960607	Title: Continuous variable tumble—A new concept for future lean burn engines
960608	Title: Influence of the inlet port and combustion chamber configuration on the lean-burn behavior of a spark-ignited gasoline engine
960609	Title: Evaluation of IMEP routines and analysis errors
960610	Title: Thermodynamic determination of T.D.C. in piston combustion engines
960611	Title: An experimental study of the cyclic variability in spark ignition engines

960612	Title: Cycle-by-cycle variations in spark ignition engine combustion—Part I: flame speed and combustion measurements and a simplified turbulent combustion model
960613	Title: Cycle-by-cycle variations in spark ignition engine combustion—Part II: modeling of flame kernel displacements as a cause of cycle-by-cycle variations
960617	Title: Development of engine roughness tester
960618	Title: Engine knock analysis and detection using time-frequency analysis
960622	Title: Misfire detection in a high-performance engine by the principal component analysis approach
960626	Title: Mathematical modeling of wall films formed by impinging sprays
960627	Title: Modeling and simulation of thin liquid films formed by spray-wall interaction
960629	Title: A high temperature and high pressure evaporation model for the KIVA-3 code
960636	Title: Engine flow calculations using a Reynolds Stress model in the Kiva-II code
960637	Title: Simultaneous prediction of pressure losses and acoustic characteristics in silencers by numerical simulation
960711	Title: Contribution of nuclear physics to engine design: Application of surface layer activation to tappet rotation measurements
960745	Title: Piston ring microwelding phenomenon and methods of prevention
960826	Title: Exciplex fluorescence visualization systems for pre-combustion diagnosis of an automotive gasoline engine
960827	Title: Development of a new measurement technique for the investigation of end-gas autoignition and engine knock
960828	Title: Quantitative in-cylinder fluid composition measurements using broadband spontaneous Raman scattering
960830	Title: ILIDS measurements of the evaporation of fuel droplets during the intake and compression strokes in a firing lean burn engine
960837	Title: Understanding the CCVS stratified EGR combustion system
960850	Title: Development of the Ford QVM CNG bi-fuel 4.9L F-Series pickup truck
960852	Title: An experimental study of air-reformed natural gas in spark-ignited engines
960856	Title: An optical sensor for determination of combustion parameters in a natural gas fuelled spark ignition engine
960884	Title: Cavitation intensity measurements for internal combustion engines
960951	Title: Rapid evaluation of variable valve lift strategies using 3-D in-cylinder flow measurements
960955	Title: Hybrid traction control system utilizing an engine inertia brake
960971	Title: The use of frequency domain vibration methods for automotive component durability
960983	Title: The importance of crankshaft surface texture to bearing system reliability

960985	Title: Analysis of engine main bearing excitation by application of cranktrain modelling and optimization methods
960987	Title: Effects of EHD contacts upon the bearing and housing behavior
960988	Title: Development of bearing with composite overlay for high-performance engines
960989	Title: The influence of geometry and grooving on the measured temperatures of engine crankshaft bearings
961022	Title: IC engine air/fuel ratio feedback control during cold start
961030	Title: Simulation techniques applied to the development of a 125cc 4 stroke scooter engine
970002	Title: Development of titanium nitride coated shim for a direct acting OHC engine
970003	Title: A study of the effects of ceramic valve train parts on reduction of engine friction
970004	Title: Amorphous carbon coatings for low friction and wear and bucket tappet valvetrains
	Title: Performance of plasmaspray coated bore 4.6L-V8 aluminum block engines in dynamometer and fleet vehicle durability tests
970008	
970009	Title: Engine studies of solid film lubricant coated pistons
970023	Title: Material systems for cylinder bore applications—Plasma spray technology
970027	Title: Crank-angle domain modeling and control for idle speed
970028	Title: Effects of injection timing on the lean misfire limit in an SI engine
970030	Title: A model for EGR mass flow rate estimation
970034	Title: Engine failure diagnosis with sound signal using wavelet transform
970035	Title: Relating subjective idle quality to engine combustion
970036	Title: Evaluation of techniques for absolute cylinder pressure correction
970037	Title: Evaluation of burn rate routines and analysis errors
970038	Title: Detection of spark knock oscillations: dependence on combustion temperature
970043	Title: In-cylinder fuel transport during the first cranking cycles in a port-injected 4-valve engine
970055	Title: Predesign model for intake manifolds in internal combustion engines
970059	Title: Cylinder pressure variations as a stochastic process
970061	Title: Pressure data analysis of Formula One racing engines
970062	Title: An improved method for determining the TDC position in a PV-diagram (first report)
	Title: A computational investigation of unsteady heat flux through an I.C. engine cylinder wall including soot layer dynamics
970063	
970067	Title: The potential of the variable-stroke spark-ignition engine
970079	Title: A concise history of thermoplastic sealing engine cover systems
970137	Title: Increased productivity—Use of specific dissipation to evaluate vehicle engine cooling
970138	Title: Effect of crosswinds on motor car engine cooling

970205	Title: Analysis of thermal loading in a turbocharged gasoline engine
970214	Title: A study of three-layer copper-lead bearings without nickel barrier
970216	Title: The influence of circumferential waviness of the journal on the lubrication of dynamically loaded journal bearings
970217	Title: A study of the behavior of connecting rod bearings using an EHL predictive tool
970249	Title: A novel, fully flexible, electromechanical engine valve actuation system
970251	Title: Mechanical fully-flexible valve control with delta-st
970271	Title: Reduced development time utilizing correlation matrices to identify parallel engine tests
970290	Title: Hybrid and conventional hydrogen engine vehicles that meet ELEV emissions
970334	Title: A mechanical valve system with variable lift, duration, and phase using a moving pivot
970335	Title: Variable valve timing implemented with a secondary valve on a four-cylinder SI engine
970337	Title: Development of gear parts for VVT unit
970338	Title: A low-friction variable-valve-actuation device—Part I: mechanism description and friction measurements
970357	Title: In-cylinder flow in high-speed two-stroke engines with different transfer channels
970358	Title: Evaluation on two-stroke engines scavenging models
970359	Title: CFD simulation and validation of the flow within a motored two-stroke engine
970360	Title: Spray combustion and emissions in a direct-injection two-stroke engine with wall stabilization of an air-assisted spray
970361	Title: CFD prediction of crankcase flow regimes in a crankcase scavenged two-stroke engine
970362	Title: FAST injection system: Piaggio solution for ULEV 2T SI engines
970363	Title: Experimental study on ATAC (Active Thermo-Atmosphere Combustion) in a two-stroke gasoline engine
970364	Title: Modeling the mixture formation in a small direct-injected two-stroke spark-ignition engine
970366	Title: A simulation model for direct-fuel injection of two-stroke gasoline engines
970367	Title: Design of a fuel efficient uniflow two-stroke semi-direct injection engine
970427	Title: Application of high performance powder metal connecting rod in the V6 engine
970503	Title: NVH optimization of engines—New possibilities using nonlinear numerical simulation techniques
970505	Title: Comparing lean burn and EGR
970507	Title: Measurements of the effect of in-cylinder motion on flame development and cycle-to-cycle variations using an ionization probe head gasket
970508	Title: Detection of luminescence from pre-autoignition reaction zone in S.I. engine
970509	Title: In-cylinder fuel distribution measurements using PLIF in an SI engine

970513	Title: Air-fuel flow modeling applied to the reduction of air-fuel ratio excursions during transients on port-injected S.I. engines
970538	Title: Refinement of heat release analysis
970539	Title: Development of direct-injection gasoline engine—Study of stratified mixture formation
970540	Title: Development of direct-injection gasoline engine
970541	Title: Development of gasoline direct injection engine
970542	Title: Mixture preparation for direct-injection SI engines
970543	Title: Stratified and homogeneous charge operation for the direct-injection gasoline engine—High power with low fuel consumption and emissions
970546	Title: Application of engineering thermoplastics for sealing automotive engines
970548	Title: Engine valve stem seal II, improved lip with PTFE layer for oil leakage control
970612	Title: Model identification for the A/F path of an SI engine
970613	Title: On-line identification of time delay in the fuel path of an SI engine
970623	Title: Spray visualization of air-assisted fuel injection nozzles for direct-injection SI engines
970624	Title: Analysis of a direct-injected gasoline engine
970625	Title: Effects of injection timing on air-fuel mixing in a direct-injection spark-ignition engine
970626	Title: Numerical prediction of charge distribution in a lean-burn direct-injection spark-ignition engine
970642	Title: Identification of discharge coefficients for flow through valves and ports of internal combustion engines
970793	Title: An evaluation of turbulent kinetic energy for the in-cylinder flow of a four-valve 3.5L SI engine using 3-D LDV measurements
970837	Title: Variable piston timing
970839	Title: Effect of piston motion on piston skirt friction of a gasoline engine
970840	Title: Friction and lubrication characteristics of piston pin boss bearings of an automotive engine
970855	Title: Advanced engine misfire detection for SI engines
970868	Title: Study and visualization of the fuel distribution in a stratified spark ignition engine with EGR using laser-induced fluorescence
970872	Title: Quantitative imaging of in-cylinder processes by multispectral methods
970876	Title: A study of flame propagation for different combustion chamber configurations in an SI engine
970883	Title: Multidimensional intake flow modeling of a four-stroke engine with comparisons to flow velocity measurements
970895	Title: Analysis of combustion chamber temperature and heat flux in a DOHC engine
970914	Title: The Jaguar AJ V8 engine
970915	Title: 1997 General Motors 5.7 liter LS1 V8 engine

970916	Title: Honda 3.0 liter, new V6 engine
970917	Title: The design and development of the new Kia T8D DOHC engine
970921	Title: A new 2.3L DOHC engine with balance shaft housing—Steps of refinement and optimization
970925	Title: Improving powertrain development processes with high performance data systems
971069	Title: Direct air injection for substantial improvement of SI engine cold start performance
980117	Title: On the future of combustion in piston engines
980118	Title: Hydrostatic lock and detonation: spark plugs as pressure relief devices
980121	Title: The improvement of lean mixture combustion in the spark ignition engine by stratified charge in large prechamber
980122	Title: Design and demonstration of a spark-ignition engine operating in a stratified-EGR mode
980139	Title: Combustion control with the optical fiber fitted production spark plug
980140	Title: The comparison of mass fraction burned obtained from the cylinder pressure signal and spark plug ion signal
980142	Title: Measurement of air flow around an inlet valve using a pitot probe
980148	Title: Laser spectroscopic investigation of flow fields and NO formation in a realistic SI engine
980149	Title: Simultaneous attainment of low fuel consumption, high output power and low exhaust emissions in direct-injection SI engines
980151	Title: Preliminary investigation of a diffusing-oriented spray stratified combustion system for DI gasoline engines
980152	Title: Evaluation of a concept of DI gasoline combustion using enhanced gas motion
980155	Title: Fuel-spray/charge-motion interaction within the cylinder of a direct-injected, 4-valve, SI engine
980157	Title: Analysis of mixture formation of direct-injection gasoline engine
980159	Title: The effects of mixture stratification on combustion in a constant-volume combustion vessel
980160	Title: Early spray development in gasoline direct-injected, spark-ignition engines
980483	Title: Wavelet analysis of in-cylinder LDV measurements and correlation against heat-release
980484	Title: Effects of intake port geometry on large-scale, in-cylinder flows
980485	Title: Dynamic evolution of the 3-D flow field during the latter part of the intake stroke in an IC engine
980492	Title: Gasoline DI engines: the complete system approach by interaction of advanced development tools
980493	Title: CFD-aided development of spray for an outwardly opening direct-injection gasoline injector
980494	Title: Improvements of GDI-injector optimization tools for enhanced SI-engine combustion chamber layout
980495	Title: Fuel injection strategies to increase full-load torque output of a direct-injection SI engine
980496	Title: A description of the shape of an air-fuel mixture and determination of injection advance angles related to the spark discharges in a gasoline direct-injection engine

980498	Title: GDI: interaction between mixture preparation, combustion system and injector performance
980499	Title: Transient flows in high pressure swirl injectors
980500	Title: Mass-related properties of atomizers for direct-injection SI engines
980564	Title: Development of a math-based piston noise model
980565	Title: An FEM-based approach to crankshaft dynamics and life estimation
980566	Title: Cranktrain component conceptual design and weight optimization
980567	Title: Cylinder liner deformation analysis—Measurements and calculations
980570	Title: Analyzing vibrations in an IC engine valve train
980572	Title: Design and development of method of valve-train friction measurement
980573	Title: Advantage of lightweight valve train component on engines
980624	Title: Symbolic times-series analysis of engine combustion measurements
980625	Title: An improved method for determining the TDC position in a PV diagram
980626	Title: Requirements for and a systematic method for identifying heat-release model parameters
980628	Title: Control-oriented modeling of mixture formation phenomena in multi-port-injection SI gasoline engines
980776	Title: Maximizing the torque potential at full load of a 1.8 L multivalve SI engine
	Title: Models for the prediction of performance and emissions in a spark ignition engine—A sequentially structured approach
980779	
980780	Title: Life of fuel in engine cylinder
980781	Title: A super-extended Zel'dovich mechanism of NO _x modeling and engine calibration
980782	Title: Modeling of 1-D unsteady flows in I.C. engine pipe systems: numerical methods and transport of chemical species
980783	Title: Predesign criteria for exhaust manifolds in I.C. automotive engines
980784	Title: Mean valve modelling of turbocharged spark ignition engines
980840	Title: Experimental investigation into the dynamic engine timing chain behavior
980843	Title: Cylinder head gasket simulation in finite element analysis
980844	Title: Development of a new metal cylinder head gasket
980868	Title: Stacked panel filter for engine air intake systems
980893	Title: The volume acoustic modes of spark-ignited internal combustion chambers
980895	Title: A parametric study of knock control strategies for a bi-fuel engine
980896	Title: Gasoline engine knock analysis using cylinder pressure data
	Title: Effect of tumble strength on combustion and exhaust emissions in a single-cylinder, four-valve, spark-ignition engine
981044	
981045	Title: Combustion system optimization for a new SOHC V8 engine

981046	Title: Matching ignition system multi-spark calibration to the burn-rate of an engine to extend ignitability limits
981047	Title: Prior-cycle effects in lean spark-ignition combustion—fuel/air charge considerations
981048	Title: Effects of intake ports on in-cylinder flow and lean combustion in a 4-valve engine
981049	Title: Up-front prediction of the effects of cylinder head design on combustion rates in SI engines
981050	Title: Measurements of turbulent flame speed and integral length scales in a lean stationary premixed flame
981052	Title: The calculation of heat release energy from engine cylinder pressure data
981053	Title: Cycle-resolved measurements of precombustion fuel concentration near the spark plug in a gasoline SI engine
981054	Title: In situ measurement of fuel absorption into the cylinder wall oil film during engine cold start
981084	Title: Balance shaft conversion of a four-cylinder engine—The challenges of packaging and mechanical integration
981087	Title: Development of Toyota 1ZZ-FE engine
981088	Title: Eliminating prototype tooling in blocks and cylinder heads yields a complete new engine design in 90 days—A case study
981089	Title: Computer simulation of vehicle's performance and fuel consumption under steady and dynamic driving conditions
981090	Title: Critical engine geometry generation for rapid powertrain concept design assessment
981091	Title: Development of a high-performance, 2.5-liter, V6 Hyundai engine
981186	Title: Droplet velocity/size and mixture distribution in a single-cylinder, four-valve, spark-ignition engine
SAE International Fall Fuels and Lubricants Meeting and Exhibition	
1999-01-3482	Title: A predictive model for gas fueled spark ignition engine applications
1999-01-3505	Title: Replacing fuel enrichment in a turbocharged SI engine: Lean burn or cooled EGR
1999-01-3506	Title: SI engine operation with retarded ignition: Part 1—Cyclic variations
1999-01-3508	Title: Spark to piston—A concept for combustion stability enhancement on a high-dilution SI engine
1999-01-3509	Title: Compression ratio and TDC calibrations using temperature- entropy diagram
1999-01-3513	Title: Air-fuel ratio dependence of random and deterministic cyclic variability in a spark-ignited engine
1999-01-3515	Title: Spark ignition producer gas engine and dedicated compressed natural gas engine—Technology development and experimental performance optimization
1999-01-3542	Title: Crank-angle resolved temperature in SI engines measured by emission-absorption spectroscopy
1999-01-3543	Title: Measurement of instantaneous flamelet surface normals and the burning rate in a SI engine
1999-01-3622	Title: Investigation of intake timing effects on the cold-start behavior of a spark-ignition engine

1999-01-3655	Title: Experimental investigation on the characteristics and on the reproducibility of the flow issuing from a high-pressure, direct- injection nozzle
1999-01-3656	Title: A method for suppressing formation of deposits on fuel injector for direct-injection gasoline engine
1999-01-3660	Title: Investigation of spray formation of DI gasoline hollow-cone injectors inside a pressure chamber and a glass ring engine by multiple optical techniques
1999-01-3662	Title: Characteristics of direct-injection gasoline spray wall impingement at elevated temperature conditions
1999-01-3664	Title: An experimental investigation on a new squish jet-turbulence combustion chamber for SI engine
1999-01-3688	Title: Optical investigations of a gasoline direct-injection engine
1999-01-3689	Title: A study of lean burn of a 4-stroke gasoline engine by the aid of low-pressure, air-assisted, in-cylinder injection—Part II
2000-01-2798	Title: The 3-D in-cylinder charge motion of a four-valve SI engine under stroke, speed, and load variation
2000-01-2799	Title: A comparison of modeled and measured 3-D in-cylinder charge motion throughout the displacement of a four-valve SI engine
2000-01-2801	Title: Intake-port design for Mitsubishi GDI engine to realize distinctive in- cylinder flow and high charge coefficient
2000-01-2835	Title: Different strategies for transient control of the air-fuel ratio in a SI engine
2000-01-2902	Title: A Gasoline engine concept for improved fuel economy—The lean boost system
2000-01-2913	Title: A new approach to meeting future European emissions standards with the orbital direct injection gasoline engine
2000-01-2914	Title: Motorcycle electronic fuel injection retrofit
2001-01-3485	Title: Estimation of combustion variability using in-cylinder ionization measurements
2001-01-3492	Title: The influence of a late in-cylinder air injection on in-cylinder flow measured with particle image velocimetry (PIV)
2001-01-3544	Title: Analysis of oil consumption behavior during ramp transients in a production spark ignition engine
2001-01-3548	Title: Tribologically optimized ceramic coatings for cylinder liners in advanced combustion engines
2001-01-3553	Title: The effect of valve lift shape and timing on air motion and mixture formation of DISI engines adopting different VVA actuators
2001-01-3556	Title: Flow, combustion and emissions in a five-valve research gasoline engine
2001-01-3564	Title: Effects of intake valve closing timing on gasoline engine performance and emissions
2001-01-3591	Title: Fuel economy benefit of cylinder deactivation—Sensitivity to vehicle application and operating constraints
2001-01-3600	Title: Considering the effects of cyclic variations when modeling the performance of a spark ignition engine

2001-01-3613	Title: Equivalence ratio-EGR control of HCCI engine operation and the potential for transition to spark-ignited operation
2001-01-3645	Title: Fuel distribution and combustion characteristics in a direct-injection, spark-ignited (DISI) engine under stratified operation
2001-01-3647	Title: Investigations of mixture formation and combustion in gasoline direct injection engines
2001-01-3648	Title: Optical diagnostics and CFD-simulations to support the combustion process development of the Volkswagen FSI®direct-injection gasoline engine
2001-01-3664	Title: Integration of engine controls, exhaust components and advanced catalytic converters for ULEV and SULEV applications
2001-01-3672	Title: DISI engine spark and fuel injection timings—Effects, compromise and robustness
902108	Title: Effect of engine operating parameters on engine combustion chamber deposits
902126	Title: Correlation of flame propagation and in-cylinder pressure in a spark ignited engine
902141	Title: Effect of mirror-finished combustion chamber on heat loss
922165	Title: Monte carlo simulation of cycle-to-cycle variability
922174	Title: A spark ignition engine operated by oxygen enriched air
922243	Title: A fundamental model for flame kernel formation in S.I. engines
922260	Title: Selection of an engine standard for development of a CRC intake valve deposit test
922263	Title: Effect of intake valve deposits and gasoline composition on S.I. engine performance
922310	Title: Improvement of irregular combustion of two-stroke engine by skip injection control
922320	Title: Quantitative 2D LIF measurements of air/fuel ratios during the intake stroke in a transparent SI engine
922321	Title: Flame propagation studies in a four-valve pentroof-chamber spark ignition engine
922322	Title: Premixed turbulent combustion flowfield measurements using PIV and LST and their application to flamelet modelling of engine combustion
922327	Title: The intensity of knock in an internal combustion engine: an experimental and modeling study
922345	Title: Oil film thickness in engine main bearings: comparison between calculation and experiment by total capacitance method
922364	Title: Performance of natural-gas-fueled engines with variable intake- manifold temperatures
922366	Title: A predictive model for knock in spark ignition engines
922369	Title: Clarification of abnormal combustion in a spark ignition engine
922388	Title: Study of the effectof the residual gas fraction on combustion in a S.I. engine using simultaneous CARS measurements of temperature and CO ₂ concentration
922389	Title: Two-dimensional measurements of the fuel vapor concentration in the combustion chamber of a SI engine with laser rayleigh scattering

932641	Title: Quantitative imaging of the fuel concentration in a SI engine with laser Rayleigh scattering
932642	Title: Investigation into crevice out-gassing effects of an operating SI engine with a fast-FID
932643	Title: In-cylinder HC measurements with a piston-mounted FID
932644	Title: Application of CARS to development of high compression ratio spark ignition engine
932645	Title: Determining the location of end-gas autoignition using ionization probes installed in the head gasket
932646	Title: A flamelet model for premixed turbulent combustion in SI- engines
932647	Title: Particle image velocimetry measurements: Application to in- cylinder flow for a two-stroke engine
932649	Title: Flame kernel development in a methanol fueled engine
932693	Title: Development of a bench wear test for the evaluation of engine cylinder components and the correlation with engine test results
932696	Title: Simultaneous imaging of fuel and hydroxyl radicals in an in- line four-cylinder SI engine
932699	Title: Modelling infrared radiation from combustion products in a spark ignition engine
932702	Title: An experimental study of gas velocity, flame propagation and pressure in a spark ignition engine
932712	Title: Multi-dimensional calculations for a two-stroke-cycle engine: A detailed scavenging model validation
932713	Title: Three-dimensional numerical simulation of flame propagation in spark ignition engines
932714	Title: Effects of engine speed on combustion in SI engines: comparisons of predictions of a fractal burning model with experimental data
932715	Title: The effect of incomplete fuel-air mixing on spark-ignited flame kernel growth
932716	Title: A coupled experimental-theoretical model of flame kernel development in a spark ignition engine
932717	Title: The effect of flame kernel surface stretch on cyclic variability in an S.I. engine
932749	Title: Evaluation of a one-zone burn-rate analysis procedure using production SI engine pressure data
932751	Title: The effect of valve overlap on idle operation: Comparison of model and experiment
932753	Title: An analysis of air to fuel ratio response in a multi point fuel injected engine under transient conditions
932754	Title: Simultaneous measurement of light emission and absorption behavior of unburned gas during knocking operation
932759	Title: The detection and quantification of knock in spark ignition engines
932772	Title: Development of a cold-start device for methanol-fueled engines
932787	Title: Surface and tribological characterization of coatings for friction and wear reduction
932802	Title: Partial-load and start-up operations of spark-ignition engine with oxygen enriched air
932803	Title: The potential benefits of intake air oxygen enrichment in spark ignition engine powered vehicle

932804	Title: The effect of oxygen enriched air on the performance and emissions of an internal combustion engine
932823	Title: Prediction of the performance of spark ignition gas engines including knock
941871	Title: Multidimensional port-and-in-cylinder flow calculations and flow visualization study in an internal combustion engine with different intake configurations
941872	Title: Liquid gasoline behavior in the engine cylinder of a si engine
941873	Title: An experimental and analytical investigation of the spray structure from automotive port injectors
941874	Title: A numerical simulation of intake port phenomena in a spark ignition engine under cold starting conditions
941878	Title: An approach to charge stratification in lean-burn, spark- ignition engines
941880	Title: A major origin of cyclic energy conversion variations in si engines: cycle-by-cycle variations of the equivalence ratio and residual gas of the initial charge
941881	Title: Measuring absolute-cylinder pressure and pressure drop across intake valves of firing engines
941882	Title: Air flow distribution on the transient conditions of si engine
941889	Title: Mechanism of combustion chamber deposit formation
941892	Title: A physical mechanism for deposit formation in a combustion chamber
941911	Title: Performance of thin-ceramic-coated combustion chamber with gasoline and methanol as fuels in a two-stroke si engine
941929	Title: CFD investigation of the scavenging process in a two-stroke engine
941930	Title: Modeling of early pressure rise and flame growth in a spark ignition engine
941933	Title: High efficiency stoichiometric spark ignition engines
941934	Title: Rapid characterization of i.c. engine in-cylinder flow at spark: a synergistic approach using experimental and numerical simulations
941935	Title: Study on validation of turbulent entrainment combustion model for spark-ignition engines
941936	Title: Numerical optimization for in-cylinder processes of a spark ignition engine
941983	Title: Engine durability, emissions and fuel economy studies with special boundary lubricant chemistry
941988	Title: A new approach of planar laser induced fluorescence applied to fuel/air ratio measurement in the compression stroke of an optical s.i. engine
941989	Title: Fuel droplets inside a firing spark-ignition engine
941990	Title: High speed laser tomography analysis of flame propagation in a simulated internal combustion engine - applications to nonuniform mixture
941992	Title: Multiple laser sheet imaging investigation of turbulent flame structure in a spark ignition engine
942036	Title: Cycle-resolved hydrogen flame speed measurements with high speed schlieren technique in a hydrogen direct injection si engine

942048	Title: Pulsed combustion jet ignition in lean mixtures
942049	Title: A model for flame initiation and early development in si engine and its application to cycle-to-cycle variations
942050	Title: Flame speeds in a spark ignition engine
942052	Title: Imaging of lean premixed flames in spark-ignition engines
942064	Title: Knock damage mechanisms in spark-ignition engines
942065	Title: A study of octane number requirement of mopeds, scooters and motor cycles
952376	Title: Improving the fuel economy of stoichiometrically fuelled S.I. engines by means of EGR and enhanced ignition—A comparison of gasoline, methanol and natural gas
952381	Title: Particle image velocimetry measurements in a high-swirl engine used for evaluation of computational fluid dynamics calculations
952382	Title: Diluents and lean mixture combustion modeling for SI engines with a quasi-dimensional model
952383	Title: Numerical simulation of combustion in premixed SI engines using fractal flame models
952384	Title: Simulation of the mean flow in the cylinder of a motored 4- valved spark ignition engine
952385	Title: Assessment of k- ϵ turbulence model in KIVA-II by in-cylinder LDV measurements
952386	Title: A multidimensional numerical model for turbulent premixed flames with fractal geometries
952392	Title: Surface layer which reduces the octane number requirement and ORI in gasoline engines
952393	Title: Characterization and analysis of the phenomena that produce O.R.I.
952394	Title: In-cylinder measurements and analysis on fundamental cold start and warm-up phenomena of SI engines
952396	Title: Ignitability and combustion characteristics of the multi spark capacitor discharge igniter for a lean burn engine
952407	Title: Spectroscopic measurement of radical behavior under knocking operation
952408	Title: Predictions of the knock onset and the effects of heat release pattern and unburned gas temperature on torque at knock limit in S.I. engines
952409	Title: The importance of high-frequency, small-eddy turbulence in spark-ignited, premixed engine combustion
952410	Title: The effects of turbulence on spark-ignited, ultra lean, premixed methane-air flame growth in a combustion chamber
952411	Title: Improvement of combustion from spark ignition engines fueled with dual fuels
952412	Title: Influence of mixture stratification pattern on combustion characteristics in a constant volume combustion chamber
952443	Title: Combustion chamber deposits in spark-ignition engines: A literature review

952454	Title: Crevice flow and combustion visualization in a direct- injection spark-ignition engine using laser imaging techniques
952455	Title: Proposition of a stratified charge system by using in-cylinder gas motion
952457	Title: Comparison of the effects of intake-generated swirl and tumble on turbulence characteristics in a 4-valve engine
952459	Title: Spark anemometry of bulk gas velocity at the plug gap of a firing engine
952460	Title: Air mass flow rate observer applied to SI AFR control
952462	Title: Quantitative two-dimensional measurements of nitric oxide and temperature distributions in a transparent square piston SI engine
952466	Title: Droplet characteristics in two cylinders of a firing spark- ignition engine
952471	Title: Studies on friction characteristics of reciprocating engines
952472	Title: A study on the friction characteristics of engine bearing and cam/tappet contacts from the measurement of temperature and oil film thickness
952473	Title: Review and evaluation of lubricated wear in simulated valve train contact conditions
952477	Title: Unsteady intake valve gap flows
952480	Title: In-cylinder fuel drop size and wall impingement measurements
952481	Title: Visualization of mixture preparation in a port-fuel injection engine during engine warm-up
952483	Title: Measurements of fuel film thickness in the inlet port of an S.I. engine by laser induced fluorescence
952484	Title: Modeling of fuel droplets deposition rate in port injected spark ignition engine
952485	Title: An experimental investigation of fuel transport in a port injected engine
952487	Title: The spray characteristics of dual-stream port fuel injectors for applications to 4-valve gasoline engines
952488	Title: Air flow visualization in a multi-point injection type manifold
952498	Title: Performance characteristics of hydrogen fueled engine with the direct injection and spark ignition system
952525	Title: High-speed photography and image analysis techniques applied to study droplet motion within the porting and cylinder of a 4- valve SI engine
952539	Title: Oxidation of hydrocarbons released from piston crevices of S.I. engines
952543	Title: Post-flame oxidation and unburned hydrocarbon in a spark- ignition engine
952546	Title: Influence of piston ring gaps on lubricating oil flow into the combustion chamber
952562	Title: An application of simplified average Reynolds equation for mixed lubrication analysis of piston ring assembly in an internal combustion engine
961910	Title: Observation of transient oil consumption with in-cylinder variables
961912	Title: An experimental investigation of the oil film lubricating piston rings

961923	Title: The effect of injector and intake port design on in-cylinder fuel droplet distribution, airflow and lean-burn performance for a Honda VTEC-E engine
961924	Title: Measurement of fuel droplet dynamics in the inlet port of an SI engine under firing conditions
961925	Title: Spray dynamics of high-pressure fuel injectors for DI gasoline engines
961928	Title: Visualization of gasoline and exhaust gases distribution in a 4-valve SI engine; effects of stratification on combustion and pollutants
961929	Title: The time history of the mixture formation process in a lean-burn stratified-charge engine
961930	Title: Investigation of fuel evaporation inside the intake of an SI engine using laser-induced exciplex-fluorescence with a new seed
961934	Title: The influence of natural gas composition on ignition in a direct-injection gas engine using hot surface assisted compression ignition
961936	Title: An analytical examination of the effects of exhaust gas recirculation on the compression ignition process of engines fueled with gaseous fuels
961937	Title: Effect of fluid flow on combustion process of natural gas in a rapid compression combustor
961938	Title: A comprehensive knock model for application in gas engines
961939	Title: Lean limit and performance improvements for a heavy-duty natural gas engine
961953	Title: A strategy to improve the efficiency of stoichiometric spark-ignition engines
961957	Title: Effects of fuel preparation on cold-start hydrocarbon emissions from a spark-ignited engine
961958	Title: Effects of mixture preparation on HC emissions of an S.I. engine operating under steady-state cold conditions
961959	Title: Modeling the effects of EGR inhomogeneities induced by intake systems in a four-valve engine
961960	Title: Computation of flow and combustion in spark-ignition engine and comparison with experiment
961961	Title: A particle numerical model for wall film dynamics in port-injected engines
961962	Title: Predictions of in-cylinder tumble flow and combustion in SI engines with a quasi-dimensional model
961963	Title: Application of computational fluid dynamics to the study of conditions relevant to autoignition damage in engines
961964	Title: 3D modeling of combustion and pollutants in a 4-valve SI engine; effect of fuel and residuals distribution and spark location
961965	Title: Thermal boundary layer modeling in "motored" spark-ignition engines
961969	Title: The importance of turbulence and initial flame kernel center position on the cyclic combustion variations for spark-ignition engine
961994	Title: Effects of swirl/tumble motion on in-cylinder mixture formation in a lean-burn engine
961995	Title: Intra-cycle resolution of heat transfer to fuel in the intake port of an S.I. engine

961997	Title: Flow characteristics in intake port of spark-ignition engine investigated by CFD and transient gas temperature measurement
961998	Title: Evaluation of the influence of injector type in a four-valve engine
961999	Title: Operating a gasoline engine at constant low temperature conditions. The influence of different fuel droplet sizes
962001	Title: A mechanism with twin harmonic drives for camshaft phase adjustment on DOHC engines
962006	Title: Experimental determination of the instantaneous frictional torque in multicylinder engines
962008	Title: A micrographic study of deposit formation processes in a combustion chamber
962009	Title: Combustion chamber deposits and knock in a spark-ignition engine—Some additive and fuel effects
962013	Title: Mixture preparation effects on ignition and combustion in a direct-injection spark-ignition engine
962014	Title: Simulation and development experience of a stratified-charge gasoline direct-injection engine
962016	Title: Computation of the hollow-cone sprays from a high-pressure swirl injector for a gasoline direct-injection S.I. engine
962017	Title: Synthesized spheroid particle (SSP) method for calculating spray phenomena in direct-injection SI engines
962018	Title: Understanding the thermodynamics of direct-injection spark-ignition (DISI) combustion systems: an analytical and experimental investigation
962028	Title: The effects of fuels and engines on intake valve and combustion chamber deposits
962030	Title: A valve train friction and lubrication analysis model and its application in a cam/tappet wear study
962052	Title: Predictions of residual gas fraction in IC engines
962084	Title: Cycle-to-cycle variations in S.I. engines—The effects of fluid flow and gas composition in the vicinity of the spark plug on early combustion
962085	Title: Cycle resolved turbulence intensity measurement in IC engines
962086	Title: A simple model for cyclic variations in a spark-ignition engine
962087	Title: Combustion enhancement of very lean premixture part in stratified charge conditions
962088	Title: Flame surface density measurements with PLIF in an SI engine
962089	Title: A study on the mechanism of in-cylinder tumble generation by direct intake ports
962101	Title: Comparison between heat transfer and knock intensity on a statistical basis
962102	Title: Knock erosion in spark-ignition engines
962103	Title: Spark-ignition engine knock detection using in-cylinder optical probes
962105	Title: Fuel blend and mixture strength effects on autoignition heat release rates and knock intensity in S.I. engines
972825	Title: Flame reconstruction in spark-ignition engines
972830	Title: Investigation of cyclic variation of IMEP under lean-burn operation in spark-ignition engine

972831	Title: Particle image velocimetry measurements in a high tumble engine for in-cylinder flow structure analysis
972835	Title: Prediction of combustion chamber deposit growth in SI engines
972838	Title: A laboratory-scale test to predict intake valve deposits
972870	Title: Effects of break-in of a gasoline engine on heat rejection to coolant and engine metal temperatures
972875	Title: Charge stratification in a 4-valve SI engine through injection into one intake port with induced axial swirl within the cylinder
972876	Title: Heat transfer evaluation in 3D computations of premixed SI engines
972879	Title: Comparison of measured and predicted skirt-liner clearances in a gasoline engine
972880	Title: A multi-fluid CFD turbulent entrainment combustion model: formulation and one-dimensional results
972881	Title: Improving near-wall combustion and wall heat transfer modeling in SI engine computations
972918	Title: Developments in computer-controlled IC engine experimental study
972922	Title: Research on crankshaft system behavior based on coupled crankshaft-block analysis
972935	Title: The effect of the location of knock initiation on heat flux into an SI combustion chamber
972936	Title: Influence of valve overlap strategies on residual gas fraction and combustion in a spark-ignition engine at idle
972937	Title: Fluid flow, combustion and efficiency with early or late inlet valve closing
972938	Title: Effects of aerodynamics on fuel consumption of a multivalve S-I engine—Investigation of the instantaneous local heat transfer at part loads and distinct equivalence ratios
972940	Title: Fast responding air/fuel sensor for individual cylinder combustion monitoring
972943	Title: Effects of mixture heterogeneity on flame propagation in a constant volume combustion chamber
972945	Title: In-cylinder measurements of liquid fuel during the intake stroke of a port-injected, spark-ignition engine
972947	Title: Characteristics and application of gasoline injectors to SI engines by means of measured liquid fuel distributions
972983	Title: Heat transfer and mixture vaporization in intake port of spark-ignition engine
972984	Title: Interaction of airflow and injected fuel spray inside the intake port of a six-cylinder, four-valve SI engine
972986	Title: Cycle-to-cycle variation study of an SI engine fired by spark plug and a nonconventional device
972994	Title: A quasidimensional model of SI natural gas engines with prechamber
972995	Title: Empirical formula for instantaneous heat transfer coefficient in spark-ignition engine
972996	Title: The effect of combustion chamber geometry in an SI engine
982445	Title: The development of the General Motors 2.2L CNG bi-fuel passenger cars

982521	Title: Method of A/F control during SI engine cold start
982522	Title: The occurrence of flash boiling in a port injected gasoline engine
982523	Title: Influence of air assisted fuel injection on the mixing preparation within the intake ports of SI-engines
982525	Title: Experimental results of the investigation of the mixture preparation in spark-ignition engine
982688	Title: Modularity in spark-ignition engines: a review of its benefits, implementation and limitations
982693	Title: Modeling of ring twist for an IC engine
982698	Title: An attempt at lean burn of a 4-stroke gasoline engine by the aid of low-pressure, air-assisted, in-cylinder injection
982701	Title: Influence of fuel volatility on emissions and combustion in a direct-injection, spark-ignition engine
982703	Title: Stability improvement of direct fuel injection engine under lean combustion operation
SAE International Off-Highway and Powerplant Congress and Exposition	
2000-01-2552	Title: The SAE Clean Snowmobile Challenge 2000—Summary and results
2000-01-2553	Title: Reduced emissions/reduced noise snowmobile
2000-01-2554	Title: Modifications to a 1998 Indy trail to compete in the Clean Snowmobile Challenge 2000
2000-01-2555	Title: Development of an externally-scavenged direct-injected two-stroke cycle engine
2000-01-2573	Title: Noise and emission reduction strategies for a snowmobile
2000-01-2574	Title: 1998 Polaris Indy Trail: An entry by Minnesota State University, Mankato in the "Clean Snowmobile Challenge 2000"
2000-01-2575	Title: Reduction in emissions and noise from a 500 cc snowmobile
2000-01-2579	Title: High performances and low noise fans for cooling systems of OHV, trains and cars
2002-01-1343	Title: Energy-saving control of single-rod hydraulic cylinders with programmable valves and improved working mode selection
2002-01-1346	Title: Modelling an electronically-controlled magnetic actuator operating a hydraulic valve and cylinder
2002-01-1498	Title: A comparison of some biodegradable hydraulic fluids and engine oils
911770	Title: Applications of metal matrix composites in high performance racing engines
911847	Title: A closed cycle simulation model with particular reference to two-stroke cycle engines
921663	Title: Modifications of a quad 4 engine to permit late intake valve closure
921669	Title: Performance prediction method for diffusing passages with arbitrary shapes
932393	Title: Reduction of fuel consumption and emissions for a small capacity two-stroke cycle engine
932395	Title: Preignition with high olefin fuels in a 2-stroke SI engine
932410	Title: Estimate of IC engine torque from measurement of crankshaft angular position
932412	Title: Engine diagnostics by dynamic shaft measurement: a progress report

932413	Title: Estimation of the mean indicated pressure from measurements of the crankshafts angular speed variation
932414	Title: Possibilities to reconstruct indicator diagrams by analysis of the angular motion of the crankshaft
932446	Title: Wall-wetting theories applied to the transient operation of a single cylinder four-stroke gasoline engine
932453	Title: Computerization of classical engine design techniques using spreadsheets
941678	Title: Delayed charging: A means to improve two-stroke engine characteristics
941679	Title: An extended jante test procedure for two-stroke piston-ported engine development
941680	Title: Quasi-dimensional modelling of combustion in a two-stroke cycle spark ignition engine
941684	Title: Single cycle scavenge testing a multi-cylinder, externally scavenged, two-stroke engine with a log intake manifold
941685	Title: Experimental evaluation of 1-D computer codes for the simulation of unsteady gas flow through engines - a first phase
941738	Title: Design formula to predict retained steel bolt stretch when joining A380 aluminum components at high temperatures
941753	Title: An investigation into air flow characteristics through inlet valve of directed ports
941754	Title: A microscopic analysis of in-cylinder swirl generated by directed ports
952079	Title: An investigation of emission control in a small spark ignition engine
952087	Title: A design/analysis method of gasketed bolted joints for noise/vibration control
952138	Title: Coefficients of discharge at the apertures of engines
952139	Title: A two-stroke engine model based on advanced simulation of fundamental processes
961730	Title: Carburetor exit flow characteristics
961731	Title: Measurement and modeling of thermal flows in an air-cooled engine
961732	Title: A diagnostic multizone zero-dimensional model for SI engine with chemical kinetics
961736	Title: Transient versus steady state test procedure evaluation of 4-cycle utility engines
961802	Title: Theoretical and experimental study of gas flow through reed valve in a two-stroke engine
961805	Title: Two-dimensional calculation of the gas exchange processes in direct-injection two-stroke engines
961813	Title: Coolant pump throttling—A simple method to improve the control over SI engine cooling system
961824	Title: Flow analysis for a chamber type intake manifold engine
972708	Title: In-cylinder heat flux in a four-stroke, air-cooled, spark-ignited engine with fixed timing
972736	Title: High-speed video recording of fog-marked scavenging flow in a motored poppet-valve, two-stroke engine
972737	Title: The performance of a spark-ignited, stratified-charge, two-stroke engine operating on a kerosene-based aviation fuel

972738	Title: Mathematical modeling of reed valve behavior in high-speed, two-stroke engines
972792	Title: Analysis of in-cylinder pressure data in two-stroke engines
982016	Title: CFD application in compact engine development
982056	Title: Inlet port geometry and flame position, flame stability, and emissions in an SI homogenous charge engine
SAE International Spring Fuels and Lubricants Meeting and Exposition	
1999-01-1494	Title: Effects of squish area shape on knocking in a four-valve, spark-ignition engine
2000-01-1785	Title: Investigation of package bearings to improve driveline performance
2000-01-1801	Title: A new diagnostic method of knocking in a spark-ignition engine using the wavelet transform
2000-01-1840	Title: Performance and emission analysis of a non-conventional gasoline engine
2000-01-1884	Title: The effects of driveability on emissions in European gasoline vehicles
2000-01-1894	Title: Comparison between two combustion chambers for a motorcycle racing engine
2000-01-1902	Title: Slit nozzle injector for a new concept of direct injection si gasoline engine
2000-01-1903	Title: Advanced tools for analysis of gasoline direct injection engines
2000-01-1946	Title: Emissions and performance of a carbon fiber reinforced carbon piston
2000-01-1965	Title: Alcohol as automotive fuel-brazilian experience
2000-01-1972	Title: Japan clean air program (jcap)-step 1 study of gasoline vehicle and fuel influence on emissions
2000-01-2061	Title: Low emission propane-fueled lawn and garden engines
2001-01-1890	Title: A review of experimental and simulation studies on controlled auto-ignition combustion
	Title: HCCI operation of a dual-fuel natural gas engine for improved fuel efficiency and ultra-low NOx emissions at low-to-moderate engine loads
2001-01-1897	
2001-01-1907	Title: Analysis of combustion instability phenomena in a CNG-fueled heavy-duty turbocharged engine
2001-01-1909	Title: Characterization of mixture formation in a direct-injected spark ignition engine
2001-01-1910	Title: Measurements and modeling of residual gas fraction in SI engines
2001-01-1911	Title: ECUTEST—A real-time engine simulator for ECU development and testing
2001-01-1912	Title: V order logarithmic polynomials for thermodynamic calculations in ICE
	Title: Higher accuracy through combining of quasi-3D (instead of 1D) with true-3D manifold flow models during the simulation of ICE gas exchange processes
2001-01-1913	
2001-01-1953	Title: A study of ignition discharge parameters effects on homogeneous mixtures combustion in engine
	Title: APIR: A new firing concept for the internal combustion engines—Sensitivity to knock and in-cylinder aerodynamics
2001-01-1954	
2001-01-1956	Title: New data on flame behavior in lean-burn S.I. engine
2001-01-1987	Title: Design tools for prediction of valve recession and solving valve/seat failure problems
2001-01-2022	Title: Piston fuel film observations in an optical access GDI engine

2001-01-2029	Title: Combustion analysis on piston cavity shape of a gasoline direct injection engine
2002-01-1627	Title: Simultaneous observation of droplets and evaporated state of liquid butane and DME at low injection pressure
2002-01-1635	Title: Engine oil aging effects on fuel economy as measured by the EPA FTP vehicle dynamometer test in a gm engine
2002-01-1636	Title: Development of 0W-20 ILSAC GF-3 gasoline engine oil
2002-01-1638	Title: Impacts of bore surface finish and coating treatment on tribological characteristics of engine cylinder bores
2002-01-1639	Title: Effects of gasoline driveability index, ethanol and intake valve deposits on engine performance in a dynamometer-based cold start and warmup procedure
2002-01-1642	Title: The M111 engine CCD and emissions test: Is it relevant to real-world vehicle data?
2002-01-1644	Title: Quantitative measurement of liquid and vapor phase concentration distributions in a D.I. gasoline spray by the laser absorption scattering (LAS) technique
2002-01-1645	Title: Influence of an adjustable tumble-system on in-cylinder air motion and stratification in a gasoline direct injection engine
2002-01-1646	Title: Analysis of EGR cyclic variations in a direct injection gasoline engine by using Raman scattering method
2002-01-1647	Title: Study of fuel dilution in direct-injection and multipoint-injection gasoline engines
2002-01-1648	Title: CFD study of an LPG DI SI engine for heavy-duty vehicles
2002-01-1649	Title: LPG spray flames in constant volume combustion chamber having impinging plate
2002-01-1662	Title: A fundamental study of the relationship between altitude and research octane number
2002-01-1663	Title: Methodology for determining octane response at different altitudes for vehicles equipped with knock sensors
2002-01-1666	Title: Engine controller for the hydrocarbon reduction during cold start in SI engine
2002-01-1667	Title: Estimation of air-fuel ratio of a SI engine from exhaust gas temperature at cold-start condition
2002-01-1668	Title: Application of different cylinder-pressure-based knock detection methods in spark ignition engines
2002-01-1670	Title: Misfire diagnosis in spark ignition engines
2002-01-1674	Title: Evaluation of NOx emission control technologies for SIDI engines
2002-01-1677	Title: Effects of engine operating conditions on catalytic converter temperature in an SI engine
2002-01-1689	Title: Spark ignition engine fuelled by means of liquid propane-butane injection
2002-01-1716	Title: Development of a transient duty cycle for large nonroad SI engines
2002-01-1728	Title: Tribological studies for design input parameters on small-displacement - 4- stroke petrol engine—A view from engine oil conservation
2002-01-1729	Title: Performance improvements for connecting rod bearings with "end-relief"

2002-01-1731	Title: Transient thermo-elastohydrodynamic lubrication of connecting rod big-end bearings
2002-01-1732	Title: Multidimensional optimization of in-cylinder tumble motion for the new Chrysler Hemi
2002-01-1734	Title: A preliminary CFD investigation of in-cylinder stratified EGR for spark ignition engines
2002-01-1735	Title: A model for residual gas fraction prediction in spark ignition engines
2002-01-1736	Title: Flame propagation characteristics in a heavy-duty LPG engine with liquid phase port injection
2002-01-1738	Title: Combustion and emissions characteristics of a small spark-ignited LPG engine
2002-01-1740	Title: Theoretical and experimental investigations of extended expansion concept for SI engines
2002-01-1741	Title: Air-fuel ratio control in a spark-ignition LPG engine using grey forecasting model
2002-01-1742	Title: Theoretical study of combustion intensification in SI piston engines
2002-01-1752	Title: Evaluation of durable emission controls for large nonroad SI engines
961077	Title: Design and testing of a dedicated hydrogen-fueled engine
961080	Title: Development of a high efficiency, low-emission SI-CNG bus engine
961081	Title: An examination of the role of residual gases in the combustion processes of motored engines fuelled with gaseous fuels
961097	Title: Effect of thermal stability of detergents and carrier fluids on the formation of combustion chamber deposits
961101	Title: Quantitative time resolved 2-D fuel-air ratio measurements in a hydrogen direct injection SI engine using spontaneous Raman scattering
961102	Title: A study of in-cylinder mixing in a natural gas powered engine by planar laser-induced fluorescence
961120	Title: Fuel film evaporation and heat transfer in the intake port of an S.I. engine
961127	Title: A contribution in calculating the thermal fields in internal combustion engines components
961144	Title: A study on engine bearing performance focusing on the viscosity-pressure characteristic of the lubricant and housing stiffness
961149	Title: Fuel spray characterization within an optically accessed gasoline direct injection engine using a CCD imaging system
961150	Title: An investigation of a new type direct-injection stratified-charge combustion system for gasoline engines
961151	Title: Development and application of the Ford split port induction concept
961152	Title: Cyclic variation in an SI engine due to the random motion of the flame kernel
961153	Title: Flames and liquid fuel in an SI engine cylinder during cold start
961156	Title: Adaptive air fuel ratio optimization of a lean burn SI engine
961157	Title: Bayesian experimental design and its application to engine research and development
961158	Title: Lean-burn fuel development using the correlation of CVCC and engine test

961186	Title: A new port and cylinder wall wetting model to predict transient air/fuel excursions in a port fuel injected engine
961187	Title: A study of cycle-to-cycle variations in SI engines using a modified quasi-dimensional model
961189	Title: Turbulence structure and decay in a model engine: Effects of inlet conditions
961190	Title: Premixed combustion modelling for spark-ignition engine applications
961191	Title: The use of results from computational fluid dynamic fuel injector modeling to predict spray characteristics
961192	Title: Modeling the effects of intake flow structures on fuel/air mixing in a direct-injected spark-ignition engine
961193	Title: Modelling of spark ignition in a premixed turbulent medium
961194	Title: Fuel mixture temperature variations in the intake port
961195	Title: 3D vortex simulation of intake flow in a port-cylinder with a valve seat and a moving piston
961197	Title: Non-linear instabilities of combustion processes and cycle-to-cycle variations in spark-ignition engines
961201	Title: Validation tests for a fast response flame ionization detector for in-cylinder sampling near the spark plug
961205	Title: Study of mixture inhomogeneities and combustion development in a S.I. engine using a new approach to laser induced fluorescence (FARLIF)
971600	Title: Selecting families of optimal engine designs using nonlinear programming and parametric sensitivity analysis
971615	Title: Comparative studies on the idling performance of a three-cylinder passenger car engine fitted with a carburetor and single point electronic gasoline fuel injection system
971638	Title: Exhaust valve seat leakage
971640	Title: Use of the nonlinear dynamical system theory to study cycle-to-cycle variations from spark ignition engine pressure
971643	Title: Investigation of the in-cylinder tumble motion in a multi-valve engine: effect of the piston shape
971669	Title: Knock in spark-ignition engines: eng-gas temperature measurements using rotational CARS and detailed kinetic calculations of the autoignition process
971670	Title: Using multi-rate filter banks to detect internal combustion engine knock
971671	Title: Investigation of end-gas temperature and pressure increases in gasoline engines and relevance for knock occurrence
971672	Title: A hydrocarbon autoignition model for knocking combustion in SI engines
971699	Title: An investigation of the cylinder wall oil film development during warm-up of an SI engine using laser-induced fluorescence

971713	Title: Time-controlled pilot injection for stationary and heavy-duty gas engines
971714	Title: Study on improvement of natural gas-fueled spark-ignition engines—Effect of EGR utilization
971722	Title: Study on combustion chamber deposit formation mechanism—Influence of fuel components and gasoline detergents
971729	Title: Intake-valve temperature and the factors affecting it
981433	Title: High-frequency ignition characteristics in a 4-valve SI engine with tumble-swirl flows
981434	Title: Crossed study of residual gas rate—Firing device for a better understanding of SI engines cycle-to-cycle variations
981435	Title: Mixture formation and combustion performance in a new direct-injection SI V-6 engine
981436	Title: A new knock-detection method using cylinder pressure, block vibration and sound pressure signals from a SI engine
981439	Title: A numerical simulation of AFR switch of SI engines
981460	Title: Comparative assessment of the performance and emission characteristics of port and manifold gasoline fuel injection systems of a single-cylinder, four-stroke, spark-ignition engine
981463	Title: An analytical approach for the optimization of a SI engine performance including the consideration of knock
981464	Title: PDF modeling of stratified charge SI engine combustion
SAE International Truck and Bus Meeting and Exposition	
2000-01-3519	Title: Low energy consumption and low noise fans for cooling system of trucks, bus, cars and trains
2001-01-2810	Title: Optimum engine mounting layout by genetic algorithm
2001-01-2825	Title: Fuel economy improvements in an SUV equipped with an integrated starter generator
2001-01-2826	Title: Fuel economy and performance impact of hybrid drive systems in light trucks, vans and SUV's
2002-01-3132	Title: Physics-based contact fatigue analysis of vehicle powertrain gears
933033	Title: Chrysler 8.0-liter V-10 engine
962234	Title: New 4.0L SOHC V6 engine for the Ford Explorer
SAE Noise and Vibration Conference and Exposition	
1999-01-1711	Title: An investigation of valve train noise for the sound quality of I.C. engines
1999-01-1745	Title: Key steps and methods in the design and development of low noise engines
1999-01-1746	Title: Concept level powertrain radiated noise analysis
1999-01-1751	Title: Conditioned NExT analysis, a technique for estimation of modal damping ratios of operating piston engines
1999-01-1752	Title: Simulation of flexible rotating crankshaft with flexible engine block and hydrodynamic bearings for a V6 engine

1999-01-1754	Title: Engine-induced vibration control for a motorcycle chassis frame by right combination of finite element method and experimental techniques
1999-01-1769	Title: Analytical studies on influence of crankshaft vibrations on engine noise using integrated parametric finite element model: Quick assessment tool
1999-01-1771	Title: Evaluation of crankshaft clearance influence on specific roughness noise concern
1999-01-1775	Title: Influences of torsional damper temperature and vibration amplitude on the three-dimensional vibrations of the crankshaft- cylinder block system under firing conditions
1999-01-1800	Title: Application of computer simulation using FEM and experimental techniques for the reduction of noise in air-cooled engine and crankcase cover of motorcycle
1999-01-1848	Title: Application of nearfield acoustic holography for evaluating the design of engine cover
2001-01-1402	Title: Assessment of a vehicle concept finite-element model for predicting structural vibration
2001-01-1415	Title: Noise and vibration reduction technology in hybrid vehicle development
2001-01-1420	Title: Prediction technique for vibration of power-plant with elastic crankshaft system
2001-01-1428	Title: Sounddesign—The BMW inline six-cylinder engine in different vehicle applications
2001-01-1429	Title: Flow noise reduction upon quick opening the throttle
2001-01-1430	Title: Flow-acoustic coupling in quarter-wave resonators using computational fluid dynamics
2001-01-1431	Title: Air intake development—Effects of coupled fluid/structure modes
2001-01-1432	Title: Sound design in the passenger compartment with active noise control in the air intake system
2001-01-1433	Title: Exhaust manifold radiated noise prediction methodology
2001-01-1440	Title: Engine intake noise modeling by using a time/frequency approach
2001-01-1447	Title: Application of elastomeric components for noise and vibration isolation in the automotive industry
2001-01-1449	Title: The effects of natural aging on fleet and durability vehicle engine mounts from a dynamic characterization perspective
2001-01-1451	Title: Vibrational power flow and its application to a passenger car for identification of vibration transmission path
2001-01-1453	Title: An elementary simulation of vibration isolation characteristics of hydraulically damped rubber mount of car engine
2001-01-1455	Title: Sound absorption performance of membrane covered insulators
2001-01-1457	Title: Using polyester fibers for improving acoustics and saving weight in automotive applications
2001-01-1470	Title: Active path tracking—A rapid method for the identification of structure-borne noise paths in vehicle chassis
2001-01-1474	Title: A virtual car: Prediction of sound and vibration in an interactive simulation environment
2001-01-1475	Title: Wavelet-based visualization of impulsive and transient sounds in stationary background noise
2001-01-1482	Title: Determination of the noise contributions of engine surfaces

2001-01-1484	Title: Condition monitoring of a gear box using vibration and acoustic emission- based artificial neural network
2001-01-1491	Title: Development of a precision variable load transmission error test device
2001-01-1501	Title: Roll-down considerations in idle quality
2001-01-1514	Title: Numerical modeling of engine noise radiation through the use of acoustic transfer vectors—A case study
2001-01-1519	Title: Development of an air intake system using vibro-acoustics numerical modeling
2001-01-1521	Title: Numerical prediction of a whole car vibro-acoustic behavior at low frequencies
2001-01-1532	Title: Noise sensitivity analysis of an engine mount system using the transfer function synthesis method
2001-01-1535	Title: Laminate dash Ford Taurus noise and vibration performance
2001-01-1538	Title: Development procedure for interior noise performance by virtual vehicle refinement, combining experimental and numerical component models
2001-01-1539	Title: Interior noise simulation for improved vehicle sound
2001-01-1544	Title: Analytical and experimental techniques in solving the plastic intake manifold NVH
2001-01-1561	Title: Development and validation of a computational process for pass-by noise simulation
2001-01-1565	Title: Combining vehicle and test-bed diagnosis information to guide vehicle development for pass-by noise
2001-01-1592	Title: How to predict powertrain vibration at the engine mounting points under running conditions
2001-01-1594	Title: Efficient engine models using recursive formulation of multibody dynamics
2001-01-1595	Title: Engine excitation decomposition methods and V engine results
2001-01-1596	Title: Engine internal dynamic force identification and the combination with engine structural and vibro-acoustic transfer information
2001-01-1613	Title: Active control of automotive air induction noise via source coupling
2003-01-1400	Title: A support system for development of sporty sound and its application
2003-01-1414	Title: Production vehicular active control systems—Rollout opportunities and challenges
2003-01-1418	Title: Study on hydraulic active engine mount
2003-01-1426	Title: Experimental root cause diagnosis for scooter NVH problem
2003-01-1427	Title: Improvement of engine noise for the 2003 Accord using hybrid CAE technology
2003-01-1428	Title: Reducing crank rumble using transfer path analysis to assess engine modifications
2003-01-1429	Title: Combustion uniformity as a measure for engine idle NVH
2003-01-1434	Title: Vehicle Cascade & Target Response Analysis (VeCTRA) is an Excel-based tool used for the idle NVH target cascade process
2003-01-1435	Title: Prediction of combustion-process-induced vehicle interior noise
2003-01-1439	Title: SAE recommended formats for presenting acoustical data

2003-01-1440	Title: Simulator sound objects—A proposal for an open standard on sound components for driving simulators
2003-01-1441	Title: ASAM-ODS: An open standards engineering database for NVH activities
2003-01-1444	Title: Exterior engine noise prediction utilizing an acoustic tube by the volume velocity measurement method
2003-01-1445	Title: Study of influences of flywheel bending stiffness on powertrain acceleration noises
2003-01-1448	Title: Acoustic modelling and radiated noise prediction for plastic air-intake manifolds
2003-01-1457	Title: Powertrain acoustic characterization at high frequencies: Acoustic source modelling based on sound intensity measurements
2003-01-1461	Title: A computerized optimization method of engine mounting system
2003-01-1462	Title: Dynamic characteristic analysis of a hydraulic engine mount with lumped model based on finite element analysis
2003-01-1465	Title: Vibration analysis of engine supported by hydraulic mounts
2003-01-1466	Title: Limitations of mechanical model with lumped mass in representing dynamic characteristics of hydraulic mount
2003-01-1467	Title: Effect of engine mounting strategy on vehicle NVH
2003-01-1468	Title: Aspects of powerplant integration with emphasis on mount and bracket optimization
2003-01-1469	Title: Accurate modelling for the powertrain and subframe modes
2003-01-1476	Title: Powertrain mounting design principles to achieve optimum vibration isolation with demonstration tools
2003-01-1484	Title: Vibration reduction in a variable displacement engine using pendulum absorbers
2003-01-1500	Title: Masking perception analysis software (MPAS) for tonal level setting in powertrain NVH
2003-01-1507	Title: Effect of basic design parameters of automotive engines on their sound characteristics
2003-01-1511	Title: Evaluation of engine sounds of a vehicle equipped with an active noise control system
2003-01-1512	Title: Subjective and objective quantification of steady-state idle vibration felt through the seat
2003-01-1582	Title: Temperature resistant microcellular polyurethane for engine mounting applications
2003-01-1601	Title: Mechanical mobility relationship to the dynamic properties of the structure-borne vibration path within the power train and vehicle
2003-01-1639	Title: Computing the dynamic forces and moments acting on the crank-flywheel joint from measurement data
2003-01-1641	Title: Approximating engine tailpipe orifice noise sound quality using a surge tank and in-duct measurements
2003-01-1644	Title: A correlation study of computational techniques to model engine air induction system response including BEM, FEM and 1D methods

2003-01-1645	Title: Exhaust system design for sound quality
2003-01-1646	Title: An optimization tool for exhaust system design with respect to tail pipe noise reduction
2003-01-1647	Title: A study of a dual mode muffler
2003-01-1648	Title: Computational and experimental study on transmission loss of automotive exhaust muffler system
2003-01-1649	Title: Exhaust system robustness analysis due to flex decoupler stiffness variation
2003-01-1652	Title: Sound quality and engine performance development utilizing air-to-air simulation and interior noise synthesis
2003-01-1653	Title: A review of current techniques for measuring muffler transmission loss
	Title: Design of experiment—Application of a statistical evaluation method to optimize the tailpipe noise of an exhaust system
2003-01-1655	
2003-01-1656	Title: Science and technology designing exhaust systems
2003-01-1657	Title: Influence of vehicle exhaust Y-pipe on tailpipe noise
2003-01-1661	Title: Design kit for accessory drives (DKAD): Dynamic analysis of serpentine belt drives
2003-01-1664	Title: NVH aspects of a downsized turbocharged gasoline powertrain with direct injection
2003-01-1666	Title: Camshaft roller chain drive with reduced meshing impact noise levels
2003-01-1672	Title: Engine cooling fan noise and vibration problem caused by a switching power supply
2003-01-1673	Title: Evaluation of idle combustion stability using flywheel acceleration
2003-01-1674	Title: Acoustic analysis of isolated engine valve covers
2003-01-1675	Title: Development of dual mode engine crank damper
2003-01-1676	Title: An experimental (in-vehicle) study of a dual mode crankshaft damper for an engine crankshaft
2003-01-1680	Title: The design of an acoustics laboratory for off-highway, heavy truck, and recreational vehicles
2003-01-1683	Title: Use of acoustical holography for efficient 3D measurement in car interiors
2003-01-1685	Title: SOURCE—A stereophonic system for engine and vehicle sound recordings
2003-01-1686	Title: Vehicle sound engineering by modifying intake/exhaust orifice noise using simulation software
2003-01-1695	Title: Noise source identification in an automotive powerplant
	Title: Noise radiation model of a powertrain using an inverse boundary element method and projection on wave-envelope vectors
2003-01-1697	
2003-01-1724	Title: Structural vibration of an engine block and a rotating crankshaft coupled through elastohydrodynamic bearings
2003-01-1725	Title: Local-global, finite-element analysis for cam cover noise reduction
	Title: Predictive analysis for engine/driveline torsional vibration in vehicle conditions using large-scale, multi-body model
2003-01-1726	
2003-01-1728	Title: Eliminating piston slap through a design for robustness CAE approach
2003-01-1730	Title: Combustion on radiation noise and mount vibration from a V8 gasoline engine

2003-01-1731	Title: Application of spectral-based substructuring approach to analyze the dynamic interactions of powertrain structures
2003-01-1732	Title: NVH experimental analyses for an engine structure model assembled with ordinary tap bolts and with through bolts
2003-01-1733	Title: Probabilistic analysis for the performance characteristics of engine bearings due to variability in bearing properties
2003-01-1734	Title: Operating deflection patterns under non-stationary order-related forces
2003-01-1735	Title: Powerplant block-crank dynamic interaction and radiated noise prediction
911065	Title: A new method for engine design using dynamic optimization and substructure synthesis method
911071	Title: Investigations on influence of engine block design features on noise and vibration
911073	Title: Noise and vibration refinement of the Ford 3.8 liter powertrain
931303	Title: Influence of crankshaft-pulley dimensions on crankshaft vibrations and engine-structure noise and vibration—Experiments and calculations for a four- cylinder in-line passenger car engine
931307	Title: Engine noise: sound source location using the STSF technique
931315	Title: Influence of bottom end design on noise and vibration behavior of 4- cylinder in-line gasoline engines
931317	Title: An air induction system for a four-cylinder engine: design, noise control and engine efficiency
931322	Title: Optimization of engine mounting systems to minimize vehicle vibration
931333	Title: Synthesis of powertrain sounds for investigations in roughness
951236	Title: Engine impact noise measurement and quantification
951248	Title: An analytical method for determining engine torque harmonics for use with up-front CAE
951249	Title: Assessing design concepts for NVH using HYFEX (Hybrid Finite Element/Experimental) modeling
951260	Title: The effect of vehicle exhaust system components on flow losses and noise in firing spark-ignition engines
951270	Title: Studying low-frequency vehicle phenomena using advanced modeling techniques. Part 1: construction of a driveline model
951276	Title: An analytical investigation of the crankshaft-flywheel bending vibrations for a V6 engine
951294	Title: NVH optimization of an in-line 4-cylinder powertrain
951296	Title: A new generation of engine mounts
951297	Title: Periodic response of nonlinear engine mounting systems
951298	Title: Active engine mount for a large amplitude of idling vibration
951299	Title: Active vibration and noise cancellation control of four- cylinder engines—An application
951300	Title: Engine noise reduction using narrowband feedback control

951339	Title: Comparison and verification of experimental and numerical models for the prediction of the efficiency of engine noise shields
951342	Title: Engine noise radiation—Prediction and test comparison
951347	Title: Performance analysis of hydraulic engine mount by using bond graph method
951348	Title: Experimental study and modeling of hydraulic mount and engine system
951372	Title: Sound quality in cars: new ideas, new tools
951376	Title: Conditioned source analysis, a technique for multiple input system identification with application to combustion energy separation in piston engines
971914	Title: Computer simulation of in-vehicle boom noise
971916	Title: The booming noise reduction of a vehicle using effectiveness analysis
971936	Title: Study of nonlinear hydraulic engine mounts focusing on decoupler modeling and design
971938	Title: The evolution of the 1997 Chevrolet Corvette powertrain mounting system
971940	Title: Dynamic simulation of engine-mount systems
971942	Title: Automotive powerplant isolation strategies
971959	Title: Prediction of powerplant vibration using FRF data of FE model
971963	Title: Development of an isolated timing chain guide system utilizing indirect force measurement techniques
971967	Title: Influence of the valve and accessory gear train on the crankshaft three-dimensional vibrations in high-speed engines
971975	Title: Statistical energy analysis of noise and vibration from an automotive engine
971977	Title: Engine sound quality in sub-compact economy vehicles: a comparative case study
971992	Title: An integrated numerical tool for engine noise and vibration simulation
971993	Title: Valvetrain unbalance and its effects on powertrain NVH
971994	Title: The effect of cranktrain design on powertrain NVH
972004	Title: Transient engine vibration analysis by using directional wigner distribution
972021	Title: A QC system for testing engine knock and whine on motorcycle engine assemblies
972039	Title: Development of an engine system model for predicting structural vibration and radiated noise of the running engine
972041	Title: Predictive design support in the achievement of refined power for the Jaguar XK8
972062	Title: Impulsive sound analysis of an automotive engine using a two-stage ALE
SAE Passenger Car Meeting and Exposition	
901714	Title: Development of four cylinder SR engine
901715	Title: The Volvo three-litre six-cylinder engine with four-valve technology
901717	Title: The new 2.4-liter slant engine, 2TZ-FE for the Toyota Previa

901725	Title: New casting technology for closed deck aluminum cylinder blocks
901727	Title: The new camshaft adjustment system by Mercedes-Benz design and application in four-valve engines
911905	Title: The new 6-litre 12-cylinder engine for the new Mercedes-Benz S-class
911906	Title: The Volvo 5-cylinder engine with 4-valve technology—A new member of Volvo's modular engine family
911908	Title: Passenger car engines for the 21st century
911909	Title: The new 6-cylinder engine 3.2 litre for the new Mercedes Benz S-class
911910	Title: The new 8-cylinder engines 5.0 and 4.2 litre for the new Mercedes-Benz S-class
SAE Worldwide Passenger Car Conference and Exposition	
922090	Title: Engine weight reduction using alternative light materials
932874	Title: A simple variable expansion-ratio, spark ignition, four-stroke engine
932894	Title: Simultaneous engineering of powertrain subsystems—Design aspects
932897	Title: Engine vibration control using passive, active, and adaptive hydraulic mount systems
932898	Title: Development of an engine mount optimization method using modal parameters
932901	Title: Refinement of engine bearing design techniques
932925	Title: The new four-valve petrol engines of the Mercedes-Benz mid- series
932926	Title: Design and mechanics of the four-cylinder engines with 2.0 and 2.2 litres displacement
Small Engine Technology Conference and Exposition	
1999-01-3257	Title: A study of noise reduction method on motorcycle
1999-01-3270	Title: Development of a stratified scavenging system for small- capacity, two-stroke engines
1999-01-3272	Title: An assessment of a stratified scavenging process applied to a loop-scavenged, two-stroke engine
1999-01-3273	Title: ATAC and GDI in a small two-stroke engine
1999-01-3277	Title: Development of a hybrid system for a single-seated commuter vehicle
1999-01-3280	Title: NEWPED—A stealth auxiliary engine in a bicycle with very low noise, low pollutant emission and good fuel economy
1999-01-3284	Title: The status of Chinese motorcycle emissions and a study of application of catalytic converter on two-stroke scooter
1999-01-3286	Title: Numerical optimization of a gasoline direct-injection concept adapted for high-speed, two-stroke engines
1999-01-3288	Title: A study of direct-fuel-injection, two-stroke engine for high specific power output and high engine speed
1999-01-3289	Title: SCIP simplified direct injection for low-emissions small two- stroke engines

1999-01-3290	Title: Experimental and numerical approach to productionizing a GDI 2-stroke, spark-ignited small displacement engine design
1999-01-3291	Title: Investigation of performance and fuel distribution of a direct-injection gas engine using LIF measurement
1999-01-3292	Title: Development of a low-cost fuel injection system for use on small utility engines
1999-01-3295	Title: Effect on injection timing on the performance of a manifold injection gas engine
1999-01-3296	Title: Improvement of wear resistance of cam shaft and rocker arm at 4-cycle engines
1999-01-3303	Title: Development of a piston secondary motion analysis program with elastically deformable piston skirt
1999-01-3310	Title: Simplification of air-assisted direct injection via performance benchmarking
1999-01-3311	Title: Comparison between direct and indirect fuel injection in an S.I. two-stroke engine
1999-01-3312	Title: Electronic direct fuel injection (EDFI) for small two-stroke engines
1999-01-3313	Title: Development, modeling and engine adaptation of a gasoline direct injection system for scooter engines
1999-01-3316	Title: The designs of piston and piston ring to reduce lubricating oil flow into the combustion chamber
1999-01-3318	Title: Advanced super charge system for small engines
1999-01-3319	Title: Development of the directly actuated variable valve control system
1999-01-3320	Title: Fit control for utility engine
1999-01-3322	Title: A study of rotary valve for a single-cylinder engine
1999-01-3323	Title: Real-time air/fuel ratio control in a small SI engine using the ionic current signal
1999-01-3324	Title: Detonation counter for production racing motorcycle
1999-01-3326	Title: Flame propagation characteristics by planar OH* measurement
1999-01-3327	Title: Performance of newly developed plasma jet igniter
1999-01-3330	Title: Numerical analysis of gas exchange process in a small two-stroke gasoline engine
1999-01-3331	Title: The influence of crankcase clearance volume on two-stroke S.I. engine performance
1999-01-3333	Title: The relationship between port shape and engine performance for two-stroke engines
1999-01-3334	Title: Improvements of crankcase delivery ratio in two-stroke engines with volume intake system
1999-01-3335	Title: Development of a dual-fueled (gasoline or propane), air-cooled, spark-ignited utility engine
1999-01-3336	Title: Development of high-performance combustion chamber for four-stroke-cycle small utility engines
1999-01-3337	Title: Intake system optimization by intake loss coefficient method
1999-01-3339	Title: A comparison between CFD predictions and measurements of inlet port discharge coefficient and flow characteristics
1999-01-3342	Title: An experimental investigation into the effect of bore/stroke ratio on a simple two-stroke cycle engine

1999-01-3344	Title: AVL approach for small 4-stroke cylinder head-, port- and combustion chamber layout
1999-01-3346	Title: Design and simulation of engines: A century of progress
1999-01-3347	Title: Motorcycle engines: Past, present and future
2002-32-1770	Title: CAE analysis of a CVT toothed belt
2002-32-1771	Title: Development of motorcycle using electronic-controlled continuously variable transmission
2002-32-1773	Title: Emission reduction by cylinder wall injection in 2-stroke S.I. engines
2002-32-1774	Title: Analysis of mixture formation process in a reverse uniflow- type two-stroke gasoline DI engine
2002-32-1775	Title: Light emission behavior of radicals during preflame reactions under knocking operation
	Title: Experimental research concerning the effect of the scavenging passage length on the combustion state and exhaust gas composition of a small two-stroke engine
2002-32-1776	
2002-32-1778	Title: AVL lean-burn systems CCBP and CBR light for fuel economy and emission optimization on 4-stroke engines
2002-32-1779	Title: A parallel hybrid powertrain for a motorcycle application
2002-32-1782	Title: Simulation of dynamic operation of a single-cylinder, two- stroke engine
2002-32-1784	Title: Combustion characteristics of an improved design of a stratified charge spark ignition engine
2002-32-1785	Title: Optimization of a stratified charge strategy for a direct- injected, two-stroke engine
	Title: Study on autoignition and combustion completion of n-butane in a two-stroke homogeneous charge compression ignition (HCCI) engine
2002-32-1786	
2002-32-1787	Title: Gasoline CAI and diesel HCCI: The way towards zero emission with major engine and fuel technology challenges
2002-32-1788	Title: Separation of combustion noise using transient noise generation model
2002-32-1789	Title: A combined experimental and numerical approach for motorcycle crank noise: Experimental validation
2002-32-1790	Title: Development of a small-displacement gasoline direct-injection engine
	Title: Combustion characteristics of a direct-injection, stratified- charge rotary engine using spark ignition and pilot flame ignition systems
2002-32-1791	
2002-32-1792	Title: GDI four-stroke SI engine for two wheelers and small vehicle applications
2002-32-1794	Title: Development of rapid composite plating system for motorcycle engine cylinders
2002-32-1795	Title: Development of ""BF-Coat"" for snowmobile piston
2002-32-1796	Title: A new method for valve seat without ring
2002-32-1798	Title: A study on motorcycle-rider system simulations
2002-32-1802	Title: Development of low-noise working machine based on CFD technique
2002-32-1803	Title: Experimental analysis of piston slap from small two-stroke gasoline engine
2002-32-1808	Title: Development of P/M aluminum alloy and extrusion process for cylinder liners

2002-32-1809	Title: Development of the application of the automotive engine technology to the V6 four-stroke outboard motor
2002-32-1811	Title: Catalytic reduction of marine sterndrive engine emissions
2002-32-1812	Title: Test bench for the acoustic behavior of air-boxes for motorcycles
2002-32-1813	Title: Theoretical predictions and experimental verification of pass-by noise reduction for small four-stroke motorcycle
2002-32-1816	Title: Development of a titanium material by utilizing off-grade titanium sponge
2002-32-1817	Title: Development of exhaust valve seat insert material for high-performance engines
2002-32-1818	Title: Development of Pb-free, free-cutting steel enabling omission of normalizing for crankshafts
2002-32-1819	Title: Development of measurement method for airborne sound emitted by personal watercraft
2002-32-1821	Title: Development of a four-stroke engine with turbocharger for personal watercraft
2002-32-1822	Title: Development of large V6 four-stroke 225PS outboard motor
2002-32-1823	Title: The combustion phenomena under corona discharge application
2002-32-1824	Title: Development of a fuel injection system for high-performance motorcycles
2002-32-1825	Title: Development of two-cylinder, liquid-cooled utility gasoline engine models with twin balancer shafts
2002-32-1826	Title: 2- (3)-cylinder concepts for high output motorcycles and commuter
2002-32-1827	Title: Development of lightweight 250 cm ³ 4-stroke engine
2002-32-1828	Title: The rotating cylinder valve 4-stroke engine—A practical alternative
2002-32-1829	Title: TCT—Total combustion technology
2002-32-1834	Title: New indicated mean effective pressure measuring method and its applications
2002-32-1836	Title: Analysis of mixture conditions in a small two-stroke engine using a gas-sampling valve
2002-32-1837	Title: Small engine catalyst for US emission regulations
2002-32-1838	Title: Development of gear train behavioral analysis technologies considering nonlinear elements
2002-32-1840	Title: Scavenging system layout of a 25 cc two-stroke engine intended for stratified scavenging
2002-32-1841	Title: Investigation of low-emission, two-stroke cycle engine chainsaw
2002-32-1843	Title: Engine scavenging optimization
2002-32-1844	Title: Development of an electronically controlled carburetion system to reduce the exhaust emissions of small IC engines for handheld power tools
2002-32-1847	Title: Development of a combustion analyzer to load onto a motorcycle
2002-32-1848	Title: Study on bearing lubricity of two-cycle engine oil
891750	Title: Variable compression ratio two-stroke engine
891751	Title: A five-cylinder outboard engine
891757	Title: The development of an intake silencer for a two-stroke cycle spark-ignition engine

891768	Title: A new approach for the analysis of OHC engine cam shape
891770	Title: Application of FEM and evaluation method for connecting rod design
891789	Title: Gasket joint sealing considerations on small engines
891792	Title: A quiet/cool exhausting internal combustion engine using a highly efficient, full expansion operating cycle
891800	Title: The development of one liter motorcycle engines
891801	Title: Development of four-cycle engine for motorcycle
891803	Title: Vertical-shaft type liquid-cooled V-twin engine for general purpose
891805	Title: A stratified charging two-stroke engine for reduction of scavenged- through losses
891806	Title: Reduction of fresh charge losses by selective exhaust gas recirculation (SEGR) in two-stroke engines
891807	Title: Optimization of the performance of two-stroke spark-ignition engines using a capacitor in the exhaust manifold
951758	Title: Study on predicative evaluation method of noise generated by engine
951760	Title: Emission control of four-stroke motorcycle engine
951761	Title: Optimization of a dual intake port for a small lean burn- engine
951764	Title: Analysis on fuel economy improvement and exhaust emission reduction in a two-stroke engine by using an exhaust valve
951775	Title: A review of technological approaches for reducing exhaust emissions from two-stroke cycle engine with in-cylinder injection system
951776	Title: Development of two-stroke engines with direct injection
951780	Title: Ignition enhancement in a two-stroke spark-ignition engine
951781	Title: Experimental detection of misfiring source from flow rate variation at transfer port and exhaust pipe in a two-stroke engine
951782	Title: Role of scavenging in improving irregular combustion and misfiring in small two-stroke engines
951783	Title: Evaluation of a low-emissions concept on a 50 cc 2-stroke scooter engine
951785	Title: Application of IAPAC fuel injection for low emissions small two-stroke engines
951786	Title: Development of a dual-intake two-stroke engine for two-wheeler application
951788	Title: Combustion analysis and its optimization in two-stroke engines
951789	Title: Scavenging flow velocity in small two-strokes at high engine speed
951793	Title: Reduction of friction loss through the use of rolling big-end bearings
951794	Title: Development of narrow-width type oil control ring for motorcycle engine
951795	Title: A comprehensive investigation of the high-speed overhead-cam valve-train dynamics in small internal combustion engine
951796	Title: A new cylinder cooling system using oil

951797	Title: Development of technique to measure stress on connecting rod during firing operation
951798	Title: Principles for optimization for air cooling system applied to the two-stroke engine
951799	Title: Varnish rating of piston skirt by image processing
951809	Title: Phenolics for high temperature applications in small engine technologies (cost effective performance advantages)
951810	Title: Stress calculation of crankshaft using artificial neural network
951811	Title: The unique properties of polyurethane foam for small engine filters
951814	Title: Catalytic converter applications for two-stroke, spark-ignited marine engines
951816	Title: Development of high-strength nitrocarburized gear
951821	Title: Development of fuel flow sensors and engine fuel monitoring systems for marine engines
Subzero Engineering Conditions Conference and Exposition	
940078	Title: Effects of gas leakage and crevices on cold starting of engines
940084	Title: A development methodology for improving the cold start performance of spark ignition engines
940107	Title: General preheating system for cold starting of internal combustion engine
	Title: Evaluation of engines in passenger cars and light duty vehicles—Correlation of test results between testbed and
940111	road testing under sub zero conditions
Total Life Cycle Conference and Exposition	
2000-01-1486	Title: Life cycle assessment of advanced materials for automotive applications
Vehicle Thermal Management Systems Conference and Exhibition	
2001-01-1690	Title: Transient air conditioning simulation using network theory algorithms
2001-01-1691	Title: An integrated air conditioning (AC) circuit and cooling circuit simulation model
2001-01-1696	Title: Vehicle thermal systems modeling using FLOWMASTER2
2001-01-1697	Title: Modeling of engine warm-up with integration of vehicle and engine cycle simulation
2001-01-1701	Title: Evaluating CFD models of axial fans by comparisons with phase-averaged experimental data
2001-01-1703	Title: Advantages of cooling airflow control devices using by internal combustion engines
2001-01-1704	Title: Intake-valve temperature histories during S.I. engine warm-up
2001-01-1705	Title: Optimization of vehicle warm-up using simulation tools
2001-01-1708	Title: Economical engine cooling system
2001-01-1715	Title: Validation of methods for rapid design and performance prediction of water pumps
2001-01-1722	Title: A numerical simulation strategy for complex automotive cooling systems
2001-01-1731	Title: Model development, simulation and validation, of powertrain cooling system for a truck application
2001-01-1732	Title: Thermal management evolution and controlled coolant flow
2001-01-1741	Title: Engine cooling system stability
2001-01-1742	Title: Advanced engine cooling thermal management system on a dual voltage 42V-14V minivan

2001-01-1749	Title: Engine cooling multi-exchanger
2001-01-1758	Title: Automatic control of electronic actuators for an optimized engine cooling thermal management
2001-01-1759	Title: Feasibility of intelligent control strategies to reduce cooling system size
2001-01-1765	Title: Thermal performance prediction of front-end heat-exchange modules
2001-01-1767	Title: Requirements on new components for future cooling systems
2001-01-1768	Title: Critical heat flux and boiling heat transfer to water in a 3-mm-diameter horizontal tube
931075	Title: New design of cooling system with computer simulation and engine compartment simulator
931081	Title: A study of a practical numerical analysis method for heat flow distribution in the engine compartment
931114	Title: Development of a method for predicting heat rejection to the engine coolant
931123	Title: Precision cooling of a four valve per cylinder engine
931124	Title: Effects of operational parameters on structural temperatures and coolant heat rejection of a SI engine
931130	Title: Local heat transfer on a combustion chamber wall of a spark-ignition engine
931131	Title: The determination of heat transfer from the combustion chambers of SI engine
931153	Title: A model for the investigation of temperature, heat flow and friction characteristics during engine warm-up
931157	Title: A computer model for thermofluid analysis of engine warm-up process
971770	Title: Thermodynamic analysis of turbocharged spark ignition engine (Otto cycle)—Part 1: heat energy available in the exhaust gases
971775	Title: New concept of engine cooling system (Newcool)
971791	Title: Incorporating nucleate boiling in a precision cooling strategy for combustion engines
971827	Title: The effect of off-design operation on the thermal performance of propylene-glycol and ethylene-glycol engine coolants
971851	Title: Correlation of engine heat transfer for heat rejection and warm-up modeling
971852	Title: Progress of modeling engine thermal behavior for VMS applications
971859	Title: A coupled methodology for modeling the transient thermal response of SI engines subject to time-varying operating conditions

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2003-01-3522	Title: Numerical simulation of a bus underhood flow
2003-01-3568	Title: Diesel fuel composition effect on lubricity
2003-01-3569	Title: Acoustic and tactile transfer functions measurements on automotive development
2003-01-3577	Title: CFD approach on underhood thermal management of passenger cars and trucks

2003-01-3656	Title: Driveability improvements on electronic diesel engines
2003-01-3657	Title: Reduction of fatigue resistance on bolts with threads rolled after heat treatment, as a result of superficial treatment
2003-01-3705	Title: Delivering engines just-in-time sequenced from 10,000 km away
2003-01-3713	Title: Constructive parameters analysis of combustion pre-chamber adapted in torch-ignition system of Otto cycle engine
2003-01-3753	Title: Developments in diesel emission aftertreatment technology
2003 JSAE/SAE International Spring Fuels and Lubricants Meeting	
2003-01-1780	Title: Study on impinging diffusion DI diesel engines—Numerical study on effect of impinging part on in-cylinder flow
2003-01-1781	Title: New IVECO small high-speed diesel engine
2003-01-1782	Title: Study of the combustion system of a new small DI diesel engine with advanced common-rail injection system
2003-01-1783	Title: Experimental study of the combustion process in a heavy- duty DI diesel engine for different injection scenarios
2003-01-1784	Title: Downsizing of common-rail D.I. engines: Influence of different injection strategies on combustion evolution
2003-01-1786	Title: Significant NOx formation at the tip of diesel spray flames and its reduction by enhanced mixing in the tip region
2003-01-1789	Title: Soot kinetic modelling and empirical validation on smokeless diesel combustion with oxygenated fuels
2003-01-1790	Title: Effects of ambient gas conditions on ignition and combustion process of oxygenated fuel sprays
2003-01-1793	Title: The effect of intake, injection parameters and fuel properties on diesel combustion and emissions
2003-01-1795	Title: Quantitative analysis of soot formation and oxidation process using laser-induced incandescence
2003-01-1796	Title: Study of geometrical parameter influence on air/EGR mixing
2003-01-1813	Title: Fuel requirements for HCCI engine operation
2003-01-1815	Title: Effects of fuel properties on premixed charge compression ignition combustion in a direct injection diesel engine
2003-01-1816	Title: A method of defining ignition quality of fuels in HCCI engines
2003-01-1817	Title: Numerical analysis of ignition control in HCCI engine
2003-01-1818	Title: A numerical prediction method for the auto-ignition process in a homogeneous charge compression ignition engine
2003-01-1820	Title: Numerical study on iso-octane homogeneous charge compression ignition
2003-01-1822	Title: Reduced chemical kinetic model of DME for HCCI combustion

2003-01-1823	Title: Characteristics of HCCI diesel combustion operated with a hollow cone spray
2003-01-1824	Title: Ignition control by DME-reformed gas in HCCI combustion of DME
2003-01-1825	Title: Analysis of DME homogeneous charge compression ignition combustion
2003-01-1826	Title: Computational and experimental study on the influence of formaldehyde on HCCI combustion fueled with dimethyl ether
2003-01-1827	Title: Combustion control and operating range expansion in an HCCI engine with selective use of fuels with different low temperature oxidation characteristics
2003-01-1828	Title: Homogeneous charge compression ignition combustion with dimethyl ether—Spectrum analysis of chemiluminescence
2003-01-1829	Title: Operating range in a multi-cylinder HCCI engine using variable compression ratio
2003-01-1830	Title: HCCI combustion phasing with closed-loop combustion control using variable compression ratio in a multi-cylinder engine
2003-01-1832	Title: How to put the HCCI engine to practical use: Control the ignition timing by compression ratio and increase the power output by supercharge
2003-01-1833	Title: Atomization characteristics of common-rail diesel injector with multi hole
2003-01-1834	Title: Diesel spray impingement behavior and adhering fuel on a recessed wall
2003-01-1835	Title: Spray-to-spray interactions after wall impingement
2003-01-1836	Title: A study of the influence of nozzle orifice geometries on fuel evaporation using laser-induced exciplex fluorescence
2003-01-1837	Title: Vapor/liquid behaviors in split-injection D.I. diesel sprays in a 2-D model combustion chamber
2003-01-1838	Title: Numerical simulation of multicomponent fuel spray
2003-01-1846	Title: In-cylinder flow field analysis of a single-cylinder DI diesel engine using PIV and CFD
2003-01-1847	Title: A numerical study on ignition and combustion of a DI diesel engine by using CFD code combined with detailed chemical kinetics
2003-01-1848	Title: Spray combustion simulation based on detailed chemistry approach for diesel fuel surrogate model
2003-01-1849	Title: Towards universal EDC-based combustion model for compression-ignited engine simulations
2003-01-1852	Title: Modelling high pressure injection system and its effect on engine performance
2003-01-1853	Title: Genetic algorithms optimization of diesel engine emissions and fuel efficiency with air swirl, EGR, injection timing and multiple injections
2003-01-1854	Title: Direct gasoline injection in the negative valve overlap of a homogeneous charge compression ignition engine
2003-01-1855	Title: CFD simulation of HCCI combustion in a 2-stroke DI gasoline engine
2003-01-1856	Title: Engine and fuel-related issues of gasoline CAI (controlled auto ignition) combustion
2003-01-1857	Title: Ignition characteristics of gaseous fuels and their difference elimination for SI and HCCI gas engines

2003-01-1858	Title: Diesel combustion study at full load using CFD and design of experiments
2003-01-1859	Title: Operating characteristics of a homogeneous charge compression ignition engine with cam profile switching—Simulation study
2003-01-1878	Title: Experimental study into plasma-assisted PM removal for diesel engines
2003-01-1880	Title: Control technology for a passenger car diesel engine equipped with the DPNR system
2003-01-1893	Title: Particle size distribution and mass emissions from a mining diesel engine equipped with a dry system technologies emission control system
2003-01-1902	Title: Results of JCAP I studies and outline of JCAP II program
2003-01-1907	Title: Evaluation of diesel exhaust emission of advanced emission control technologies using various diesel fuels, and sulfur effect on performance after mileage accumulation—JCAP Diesel WG (fuel) report for step II study
2003-01-1915	Title: Counteracting detrimental EGR effects with diesel fuel additive
2003-01-1920	Title: Performance and emissions of a DI diesel engine operated with LPG and cetane-enhancing additives
2003-01-1923	Title: Development of a clean, efficient, propane-fueled tractor
2003-01-1925	Title: Characteristics of spray formation and combustion in diesel engines operated with dimethyl ether
2003-01-1927	Title: Studies on the optimizations with regard to relationships between performance and emission characteristics in dimethyl ether (DME)-fueled engines using common-rail fuel injection systems
2003-01-1932	Title: Long-term direct injection diesel engine operation on vegetable oil/diesel blends
2003-01-1952	Title: Oil transport in the piston ring pack (Part I): Identification and characterization of the main oil transport routes and mechanisms
2003-01-1953	Title: Oil transport in the piston ring pack (Part II): Zone analysis and macro oil transport model
2003-01-1963	Title: Investigations of the interactions between lubricant-derived species and aftertreatment systems on a state-of-the-art heavy-duty diesel engine
2003-01-2010	Title: Evaluation method for HDV fuel economy performance with PC simulation and mapping procedure
2003-01-2016	Title: Buffer tube of silicone rubber film for damping the pulsating flow in exhaust or induction systems of reciprocating engines
2003 SAE/JSAE Small Engine Technology Conference and Exhibition	
2003-32-0001	Title: The application of piezoceramic actuation to direct fuel injection
2003-32-0003	Title: Effects of high-temperature fuel on in-cylinder fuel mixture formation process for direct injection engine
2003-32-0004	Title: Noise reduction potential of single-cylinder DI diesel engines
2003-32-0005	Title: Influence of fuel quality on exhaust gas and noise emissions of small industrial diesel engines
2003-32-0006	Title: Measurement of radical behavior in homogeneous charge compression ignition combustion using dimethyl ether

2003-32-0007	Title: Optimization of the E-TECTM combustion system for direct-injected, two-stroke engines toward 3-Star emissions
2003-32-0014	Title: Visual study focused on the combustion problem in gasoline direct injection engine
2003-32-0032	Title: The potential of the ceramic valve in IC engines
34th Intersociety Energy Conversion Engineering Conference	
1999-01-2519	Title: Optimum compression ratio variation of a 4-stroke, direct- injection diesel engine for minimum bsfc
1999-01-2713	Title: Combustion noise from a diesel engine operating with high concentrations of intake carbon dioxide
1999-01-2728	Title: Optimum compression ratio variation of a 4-stroke, direct- injection diesel engine for maximum brake power and torque and minimum soot and NOx emissions
41st Annual Earthmoving Industry Conference	
900881	Title: Compresx® supercharging and emissions reduction in vehicular diesel engines
42nd Annual Earthmoving Industry Conference	
910952	Title: One piece diesel engine valves and powder metal seat inserts make in roads against traditional components
44th Annual Earthmoving Industry Conference	
931179	Title: Modeling of the complete vehicle powertrain using Enterprise
931180	Title: FIND: framework for intelligent design
47th Earthmoving Industry Conference and Exposition	
961285	Title: Meeting the customer's needs—Defining the next generation electronically controlled unit injector concept for heavy duty diesel engines
48th Earthmoving Industry Conference and Exposition	
971565	Title: On-engine turbocharger turbine inlet flow characterization
Automotive and Transportation Technology Congress and Exhibition	
2001-01-3181	Title: Analysis of the combustion process in a heavy-duty transparent diesel engine equipped with 4-valve cylinder head and common-rail injection system
2001-01-3182	Title: Development of a common-rail proportional injector controlled by a tandem-arrayed giant-magnetostrictive-actuator
2001-01-3183	Title: Modeling and simulation of common-rail systems
2001-01-3184	Title: Study of a common-rail fuel injection system
2001-01-3185	Title: Analysis of the influence of injection rate and running conditions on the heat release rate in a D.I. diesel engine
2001-01-3192	Title: Future power plants for cars
2001-01-3226	Title: Simulation of endurance and thermo cycle testing for highly loaded HSDI diesel cylinder heads
2001-01-3227	Title: Modeling, effect and behavior of the EGR venturi in a heavy-duty diesel engine

2001-01-3228	Title: Modeling of wall films formed by impinging diesel sprays
2001-01-3229	Title: Simulation of liquid phase penetration in diesel spray
2001-01-3230	Title: Three-dimensional calculation of the flow in a DI diesel engine with variable swirl intake ports
2001-01-3232	Title: Stratified-charged SI and CI Engines in SRFNPH are functioned by forming of REABP and Radicals—SI-CVCC, SI-GDI, CI-OSKA, CI-MK—(SRFNPH: simultaneous reduction of SFC, NO _x , particulate, HC REABP: Re-entrainment of active burned products)
2001-01-3260	Title: Advanced turbocharging technologies for heavy-duty diesel engines
2001-01-3262	Title: Cycle-to-cycle diesel combustion characterization during engine transient operation
2001-01-3263	Title: A new combustion chamber concept for low emissions in small DI diesel engines
2001-01-3264	Title: The influence of regulating parameters of dual-fuel compression ignition engine fueled with LPG on its maximum torque, overall efficiency and emission
2001-01-3265	Title: A detailed phenomenological model for wall heat transfer prediction in diesel engines
2001-01-3316	Title: Application of loop shaping H-infinity control to diesel engine anti-oscillation strategy
2001-01-3330	Title: Development trends in bus manufacturing
2001-01-3335	Title: Piston-related noise with diesel engines—Parameters of influence and optimization
2001-01-3386	Title: Performance and emissions characteristics of a naturally aspirated diesel engine with esterified vegetable oil
2001-01-3412	Title: Fatigue strength of nodular iron crankshafts
2001-01-3452	Title: Study of an integrated diesel engine-CVT control algorithm for improving drivability and exhaust emission performance
2002-01-2159	Title: Effect of waste-gate turbocharging on the exhaust particulate matter of an off-road diesel engine
2002-01-2161	Title: Multidimensional modelling and spectroscopic analysis of the soot formation process in a diesel engine
2002-01-2165	Title: Development of VFT—Part2
2002-01-2173	Title: Flexible, electronically controlled, hydraulically actuating variable valve system for diesel engine
2002-01-2174	Title: Air/fuel ratio and residual gas fraction control using physical models for engines with widely variable valve timing
2002-01-2175	Title: Control and controllability of electrohydraulic valvetrain in high- and medium-speed diesels
2002-01-2195	Title: Improved energy conversion efficiency of Sabathè-type engine (theoretical prediction in not a combustion chamber but an engine)
2002-01-2198	Title: Effect of thermodynamic irreversibility of internal combustion engines on power output and thermal efficiency
2002-01-2218	Title: A new paraffinic fuel impact on emissions and combustion characteristics of a diesel engine
2002-01-2220	Title: Selected aspects of reformed diesel oil combustion process

2002-01-2233	Title: Effective use of Orinoco tar as alternative fuel for diesel engines (Orinoco tar quality improvement by WPD)
2002-01-2234	Title: Analysis of chosen parameters of dual-fuel CI engine fuelled with propane-butane gas as a main fuel
2002-01-2235	Title: The impact of gas-air composition on combustion parameters of dual- fuel engines fed CNG
2002-01-2244	Title: A new sensor element with high suppression of external fields for rotational speed sensors in engine management applications
2002-01-2249	Title: The tribo-contact dynamics phenomenon in torsional impact of loose gears—Promoting gear rattle
Conference and Exposition on Future Transportation Technology	
901502	Title: All electronic dual fuel injection system for the Belarus D-144 diesel engine
Environmental Sustainability Conference and Exhibition	
2001-01-3748	Title: Results obtained by methanol-fuelling diesel engine
2001-01-3749	Title: A study on spray and combustion behavior in heavy-duty diesel engine equipped with EGR
2001-01-3768	Title: Future heavy-duty diesel lubricants for low-emission engines
Fifth Autotechnologies Conference and Exposition	
910025	Title: Anti-bounce engine mount and its application to a four cylinder turbo charged diesel-engine
Future Car Congress	
2000-01-1528	Title: Advanced Power sources for a new generation of vehicles
2000-01-1546	Title: Lightweight engine design strategies
2000-01-1547	Title: Tribological performance of NFC coatings under oil lubrication
2000-01-1548	Title: Tribological behavior of near frictionless carbon coatings in high- and low- sulfur diesel fuels
2000-01-1571	Title: The integrated starter alternator damper: The first step toward hybrid electric vehicles
2000-01-1594	Title: The Cooperative Automotive Research for Advanced Technology Program (CARAT): Accelerating the commercialization of innovative technology
2000-01-1595	Title: Breaking down technology barriers for advanced vehicles: The Graduate Automotive Technology Education (GATE) program
2000-01-1599	Title: Diesel passenger vehicles—Can they meet air quality needs and climate change goals?
2000-01-1600	Title: Effect of injection parameters on diesel spray characteristics
2002-01-1892	Title: Shock waves generated by high-pressure fuel sprays directly imaged by x-radiography
2002-01-1910	Title: The opportunity for IC engines in a hybrid world
2002-01-1920	Title: Effect of thin-film coating on wear in EGR-contaminated oil
2002-01-1921	Title: Friction and wear performance of low-friction carbon coatings under oil lubrication
2002-01-1924	Title: Comparison of HCCI operating ranges for combinations of intake temperature, engine speed and fuel composition

2002-01-1925	Title: Experiments and CFD modelling of direct injection gasoline HCCI engine combustion
2002-01-1940	Title: Variable compression ratio engine
2002-01-1941	Title: Extended, and variable, stroke-reciprocating internal combustion engines
2002-01-1944	Title: The Medford Twp., New Jersey biodiesel school bus project
Future Transportation Technology Conference	
	Title: The development of an object-oriented tool for the modelling and simulation of hybrid powertrains for vehicular applications
2003-01-2249	
2003-01-2264	Title: New CNG concepts for passenger cars: High torque engines with superior fuel consumption
2003-01-2292	Title: NOx trap model for lean-burn engine control
	Title: An experimental study of homogeneous charge compression ignition (HCCI) with various compression ratios, intake air temperatures and fuels with port and direct fuel injection
2003-01-2293	
2003-01-2294	Title: Diesel engine electric turbo compound technology
2003-01-2303	Title: A review of diesel particulate filter technologies
Government/Industry Meeting	
2003-01-2070	Title: A contribution to understanding automotive fuel economy and its limits
International Mobility Technology Conference and Exhibit	
2001-01-3824	Title: Application of the natural gas engines Mercedes-Benz in moving stage for the carnival 2001 in Salvador City.
2001-01-3866	Title: Production approval process of a heavy-duty diesel engine
International Pacific Conference on Automotive Engineering and High Temperature Engineering Conference	
931867	Title: State-of-the-art; Hino high boosted diesel engine
931898	Title: A theoretical and experimental studies on the performance of diesel engine with artificial air intake
931899	Title: Simulation of the thermodynamic processes in diesel cycle internal combustion engines
931948	Title: Numerical and experimental analysis of diesel air fuel mixing
931949	Title: Measurement of droplet size distribution of transient diesel spray
	Title: Analysis and computation of characteristic of the water cooling and radiating system for a heavy duty truck diesel engine
931960	
	Title: The effect of typical torsional viscous-friction damper on the reduction of vibrations in the three-dimensional space of diesel engine shaftings
932009	
Mobility Technology Conferences and Exhibit	
921482	Title: Two-stage power: a cost effective solution for equipment's performance enhancement
921488	Title: Injection pressure influence on diesel engine performance and emissions
921490	Title: Oil consumption improvement in a DI diesel engine
Powertrain and Fluid Systems Conference and Exhibition	

2002-01-1923	Title: The potential of HCCI combustion for high efficiency and low emissions
2002-01-2665	Title: Influence of nozzle hole geometry, rail pressure and pre-injection on injection, vaporization and combustion in a single-cylinder transparent passenger car common-rail engine
2002-01-2666	Title: Liquid and vapor fuel distributions in a small-bore, high-speed, direct-injection diesel engine
2002-01-2667	Title: Optical detection of the combustion produced by the pre-injected fuel in a DI diesel engine
2002-01-2668	Title: Air flow surrounding burning transient diesel sprays
2002-01-2669	Title: 2-D imaging of soot formation process in a transient spray flame by laser-induced fluorescence and incandescence techniques
2002-01-2670	Title: Detailed chemical composition and particle size assessment of diesel engine exhaust
2002-01-2671	Title: The effect of non-circular nozzle holes on combustion and emission formation in a heavy-duty diesel engine
2002-01-2672	Title: Analysis of multiple injection strategies for the reduction of emissions, noise and BSFC of a DI CR small displacement non-road diesel engine
2002-01-2673	Title: Techniques for predicting combustion chamber deposits in a direct injection diesel engine
2002-01-2675	Title: Use of virtual tests in establishing BOI/VGRA
2002-01-2676	Title: The single technology matrix process for base oil interchange
2002-01-2677	Title: The role of engine oil formulations on fluid diagnostics
2002-01-2678	Title: Formulation effects in a severe passenger car diesel engine test
2002-01-2681	Title: Engine oil effects on the friction and emissions of a light-duty, 2.2L direct-injection diesel engine: Part 1- Engine test results
2002-01-2691	Title: Experimental study of direct-injection diesel engine fueled with two types of gas to liquid (GTL)
2002-01-2715	Title: Concurrent quantitative laser-induced incandescence and SMPS measurements of EGR effects on particulate emissions from a TDI diesel engine
2002-01-2719	Title: Heat release rate analysis of a DI diesel engine using diesel and seawater semi-stable emulsion
2002-01-2721	Title: Development of a nozzle-fouling test for additive rating in heavy-duty DI diesel engines
2002-01-2723	Title: Effects of EGR and early injection of diesel fuel on combustion characteristics and exhaust emissions in a methane dual-fuel engine
2002-01-2725	Title: Impact of ultra-clean Fischer-Tropsch diesel fuel on emissions in a light-duty passenger car diesel engine
2002-01-2726	Title: Evaluating a Fischer-Tropsch fuel, Eco-Par™ in a Valmet diesel engine
2002-01-2727	Title: Exhaust particle number and size distributions with conventional and Fischer-Tropsch diesel fuels
2002-01-2728	Title: The role that Methylcyclopentadienyl Manganese Tricarbonyl (MMT®) can play in improving low-temperature performance of diesel particulate filters

2002-01-2729	Title: Parameterization and transient validation of a variable geometry turbocharger for mean-value modelling at low and medium speed-load points
2002-01-2730	Title: A study of oil consumption on a diesel engine with independently lubricated turbocharger
2002-01-2731	Title: Turbo-hydraulic engine exhaust power recovery system
2002-01-2737	Title: An emission and performance comparison of the natural gas Cummins Westport Inc. C-Gas Plus versus diesel in heavy-duty trucks
2002-01-2768	Title: Base oil effects on emissions and fuel economy in a heavy-duty vehicle over the European transient cycle (ETC)
2002-01-2772	Title: Modelling of a turbocharged DI diesel engine using artificial neural networks
2002-01-2773	Title: Implementation of detailed chemical mechanisms into multidimensional CFD using in situ adaptive tabulation: Application to HCCI engines
2002-01-2775	Title: Investigation of diesel spray primary break-up and development for different nozzle geometries
2002-01-2776	Title: Combustion and spray simulation of a DI turbocharged diesel engine
2002-01-2777	Title: Theoretical and experimental analysis of diesel sprays behavior from multiple injections common-rail system
2002-01-2778	Title: Multi-objective optimization of diesel engine emissions and fuel economy using genetic algorithms and phenomenological model
2002-01-2779	Title: LES modelling of diesel engines
2002-01-2780	Title: Low-pressure EGR calibration strategies for reliable diesel particulate filter regeneration on HDD engines
2002-01-2781	Title: Passenger car series application of a new diesel particulate filter system using a new ceria-based, fuel-borne catalyst: From the engine test bench to European vehicle certification
2002-01-2782	Title: A mixed numerical-experimental analysis procedure for non-blocking metal-supported soot trap design
2002-01-2784	Title: Experience of fitting London Black Cabs with fuel-borne catalyst-assisted diesel particulate filters—Part 1: Regulated emissions and regeneration performance
2002-01-2785	Title: Experience of fitting London Black Cabs with fuel-borne catalyst assisted diesel particulate filters—Part 2: Non-regulated emissions measurements
2002-01-2786	Title: Modelling of diesel particulate filter regeneration: Effect of fuel-borne catalyst
2002-01-2787	Title: Development of a full-flow burner DPF system for heavy-duty diesel engines
2002-01-2790	Title: Performances and durability of DPF (diesel particulate filter) tested on a fleet of Peugeot 607 Taxis—First and second test phases results
2002-01-2793	Title: Film formation properties of polymers in the presence of abrasive contaminants

2002-01-2809	Title: Technological evaluation of fuel efficiency improvement concepts to meet future regulatory requirements in the North American market
2002-01-2814	Title: High-boost C.R. diesel engine: A feasibility study of performance enhancement and exhaust-gas power cogeneration
2002-01-2824	Title: Parametric study and clarification of determination factors of diesel exhaust emission using a single-cylinder engine and model fuels—JCAP Combustion Analysis Working Group Report: Part I
2002-01-2825	Title: Novel analysis approach for better understanding of fuel and engine effects on diesel exhaust emission—JCAP Combustion Analysis Working Group Report: Part II
2002-01-2828	Title: Influence of hydrogen and carbon monoxide on HCCI combustion of dimethyl ether
2002-01-2829	Title: An approach for modelling the effects of gas exchange processes on HCCI combustion and its application in evaluating variable valve timing control strategies
2002-01-2830	Title: An investigation into the effect of fuel composition on HCCI combustion characteristics
2002-01-2831	Title: On the nature of autoignition leading to knock in HCCI engines
2002-01-2832	Title: Development of a gasoline engine system using HCCI technology—The concept and the test results
2002-01-2840	Title: Particle image velocimetry flow measurements and heat-release analysis in a cross-flow cylinder head
2002-01-2847	Title: E-diesel effects on engine component temperature and heat balance in a Cummins C8.3 engine
2002-01-2849	Title: Lubricity and injector pump wear issues with E diesel fuel blends
2002-01-2851	Title: In-cylinder soot evolution analysis in a transparent research DI diesel engine fed by oxygenated fuels
2002-01-2853	Title: Nature of fundamental parameters related to engine combustion for a wide range of oxygenated fuels
2002-01-2854	Title: Performance of a diesel engine fueled by rapeseed oil blended with oxygenated organic compounds
2002-01-2856	Title: Integration of WAVE and ADVISOR simulations for optimization of a hybrid electric sport utility vehicle
2002-01-2858	Title: HCCI combustion phasing in a multi-cylinder engine using variable compression ratio
2002-01-2859	Title: Characterization of pressure waves in HCCI combustion
2002-01-2861	Title: The effect of POx on the autoignition chemistry of n- heptane and isooctane in an HCCI engine
2002-01-2863	Title: Catalytic igniter to support combustion of ethanol- water/air mixtures in internal combustion engines
2002-01-2864	Title: The effect of in-cylinder flow and turbulence on HCCI operation
2002-01-2865	Title: Numerical analysis of combustion in gasoline compression ignition engines
2002-01-2866	Title: Using pilot diesel injection in a natural gas-fueled HCCI engine

2002-01-2867	Title: Control of the start of HCCI combustion by pulsed flame jet
2002-01-2868	Title: Amplified pressure waves during autoignition: Relevance to CAI engines
2002-01-2869	Title: Piston-liner crevice geometry effect on HCCI combustion by multi-zone analysis
2002-01-2870	Title: A computer-generated reduced iso-octane chemical kinetic mechanism applied to simulation of HCCI combustion
2002-01-2871	Title: NOx adsorber desulfation techniques for heavy-duty, on-highway diesel engines
2002-01-2872	Title: In-Situ NH ₃ generation for SCR NOx applications
2002-01-2873	Title: Speciation of organic compounds from the exhaust of trucks and buses: Effect of fuel and after-treatment on vehicle emission profiles
2002-01-2874	Title: Effect of injection pressure and split injection on exhaust odor and engine noise in DI diesel engines
2002-01-2875	Title: Investigation of odorous components and improvement in odor assessment procedure in DI diesel engines
2002-01-2876	Title: Effects of regeneration conditions on NOx adsorber performance
2002-01-2877	Title: Testing of the Toyota Aveniris DPNR at U.S. EPA-NVCEL
2002-01-2878	Title: Weighting of parameters in artificial neural network prediction of heavy-duty diesel engine emissions
2002-01-2880	Title: Durability of NOx absorbers: Effects of repetitive sulfur loading and desulfation
2002-01-2882	Title: Resolving EGR distribution and mixing
2002-01-2883	Title: Effect of ignition delay and exhaust gas speed on exhaust odor in DI diesel engines
2002-01-2884	Title: Impact of engine operating conditions on low-NOx emissions in a light-duty CIDI engine using advanced fuels
2002-01-2885	Title: Performance of a urea SCR system combined with a PM and fuel-optimized, heavy-duty diesel engine able to achieve the Euro V emission limits
2002-01-2886	Title: Desulfation dynamics of NOx storage catalysts
2002-01-2889	Title: A fundamental consideration on NOx adsorber technology for DI diesel application
2002-01-2890	Title: Hydraulic electronic unit injector with rate shaping capability
2002-01-2891	Title: Effects of PuriNOx™ water-diesel fuel emulsions on emissions and fuel economy in a heavy-duty diesel engine
2002-01-2892	Title: Effects of water-fuel emulsions on spray and combustion processes in a heavy-duty DI diesel engine
2002-01-2898	Title: Dimethyl ether (DME) spray characteristics compared to diesel in a common-rail fuel injection system
2003-01-3081	Title: Fuel quality evaluation by changing the compression ratio in a hydraulic dynamic combustion rig

2003-01-3083	Title: PIV measurements of internal aerodynamic of diesel combustion chamber
2003-01-3085	Title: PDA characterization of dense diesel sprays using a common-rail injection system
2003-01-3109	Title: Lube formulation effects on transfer of elements to exhaust after-treatment system components
2003-01-3115	Title: Spray characteristics of group-hole nozzle for D.I. diesel engine
2003-01-3117	Title: Advance noise path analysis, a robust engine mount optimization tool
2003-01-3120	Title: Effects of crank-pin surface circumferential waviness on the EHL of a big-end bearing in a diesel engine
2003-01-3139	Title: Interaction between fuel additive and oil contaminant: (I) Field experiences Title: Interaction between fuel additive and oil contaminant: (II) Its impact on fuel stability and filter plugging mechanism
2003-01-3140	
2003-01-3141	Title: The development of a lubricity-enhancing controlled release diesel fuel filter
2003-01-3142	Title: Statistical analysis of the effect of Fleet-tech™asphaltene conditioner on fuel economy Title: Comparison between in-cylinder PIV measurements, CFD simulations and steady-flow impulse torque swirl meter measurements
2003-01-3147	
2003-01-3150	Title: Near-nozzle spray characteristics of heavy-duty diesel injectors
2003-01-3172	Title: Transient control of HCCI through combined intake and exhaust valve actuation Title: Influence of fresh charge preparation and composition on auto-ignition delays and combustion development in an optical HCCI direct injection diesel engine
2003-01-3174	
2003-01-3181	Title: A new dynamic combustion control method based on charge oxygen concentration for diesel engines
2003-01-3192	Title: Chemiluminescence analysis from in-cylinder combustion of a DME-fueled DI diesel engine
2003-01-3193	Title: Effects of fuel injection conditions on driving performance of a DME diesel vehicle
2003-01-3208	Title: Statistical process control and design of experiment process improvement methods for the powertrain laboratory
2003-01-3212	Title: Rapid bulk combustion of lean premixture by using radical injection method and an application to an actual engine
2003-01-3215	Title: Auto-ignition quality of gasoline-like fuels in HCCI engines
2003-01-3217	Title: Pressure oscillations during rapid HCCI combustion
2003-01-3218	Title: Simultaneous OH- and formaldehyde-LIF measurements in an HCCI engine
2003-01-3219	Title: Effects of injection timing on the conditions at top dead center for direct injected HCCI
2003-01-3220	Title: Modelling HCCI combustion with high levels of residual gas fraction—A comparison of two VVA strategies
2003-01-3223	Title: Mechanical degradation of viscosity modifiers in heavy-duty diesel engine lubricants in field service

2003-01-3224	Title: A cold start and pumpability study of fresh and highly sooted engine oils in 1999 heavy-duty diesel emission engines
2003-01-3225	Title: An introduction to heavy-duty diesel engine frictional losses and lubricant properties affecting fuel economy—Part I
2003-01-3226	Title: The influence of an on-line oil recycler on oil quality with oil age from a low-emission DI diesel engine
2003-01-3227	Title: Improvement of neural network accuracy for engine simulations
2003-01-3228	Title: Optimization of diesel engine operating parameters using neural networks
2003-01-3230	Title: An extensive parametric study on diesel spray simulation and verification with experimental data
2003-01-3231	Title: Diesel spray simulation and KH-RT wave model
2003-01-3232	Title: Neural cylinder model and its transient results
2003-01-3249	Title: Ignition and combustion process of a steam injected diesel engine (STID) studied in a constant volume rig
2003-01-3261	Title: Development of a LPG-fueled engine for heavy-duty vehicles
2003-01-3275	Title: Modelling and simulation of a fuzzy logic controller for a hydraulic-hybrid powertrain for use in heavy commercial vehicles
2003-01-3279	Title: Saving petroleum with cost-effective hybrids
2003-01-3286	Title: Dimethyl ether: New advances in wear testing: Theoretical and experimental results
SAE 2000 World Congress	
2000-01-0202	Title: Application of the Oppenheim Correlation (OPC) for evaluation of heat losses from combustion in IC engine
2000-01-0203	Title: Dynamics of combustion in a diesel engine under the influence of air/fuel ratio
2000-01-0236	Title: Two-dimensional imaging of formaldehyde formed during the ignition process of a diesel fuel spray
2000-01-0269	Title: Investigating the effect of spray targeting and impingement on diesel engine cold start
2000-01-0270	Title: The impact of the infinite liquid diffusivity and the diffusion limit droplet heating model on the evaporation and combustion characteristics in a diesel spray
2000-01-0272	Title: Analysis of spray/wall interaction under diesel engine conditions
2000-01-0274	Title: Improvement of three-dimensional diesel spray modeling in near region with coarse mesh
2000-01-0284	Title: Simulating engine lubrication systems with 1-D fluid flow models
2000-01-0286	Title: Development of a simulation model for direct-injection, dual-fuel, diesel- natural gas engines
2000-01-0287	Title: New modelling approach for fast online calculations in sprays
2000-01-0288	Title: Validation and use of SIMULINK integrated, high fidelity, engine-in-vehicle simulation of the international class VI truck
2000-01-0290	Title: Modeling engines with pulse converted exhaust manifolds using one- dimensional techniques

2000-01-0291	Title: Numerical simulation of the injection process in a two-stroke diesel engine
2000-01-0299	Title: Warm-up of a D.I. diesel engine: Experiment and modeling
2000-01-0300	Title: Heat transfer in the internal combustion engines
2000-01-0327	Title: A multi-zone model for prediction of HCCI combustion and emissions
2000-01-0331	Title: Effects of initial in-cylinder flow field on mixture formation in a premixed compression-ignition engine
2000-01-0332	Title: A four-stroke homogeneous charge compression ignition engine simulation for combustion and performance studies
2000-01-0368	Title: The condition monitoring of diesel engines using acoustic measurements—Part 2: Fault detection and diagnosis
2000-01-0510	Title: Effects of combustion chamber geometry on in-cylinder air motion and performance in DI diesel engine
2000-01-0512	Title: Effects of oxygen enhancement on the emissions from a DI diesel via manipulation of fuels and combustion chamber gas composition
2000-01-0518	Title: Near-frictionless carbon coatings for use in fuel injectors and pump systems operating with low-sulfur diesel fuels
2000-01-0519	Title: Evaluation of turbocharger power assist system using optimal control techniques
2000-01-0520	Title: Experimental investigation of the strains and stresses in the cylinder block of a marine diesel engine
2000-01-0521	Title: FMEA of Turbocharged Diesel Engine System Using Fuzzy Inferencing
2000-01-0525	Title: Cam roller follower design for heavy-duty diesel engines
2000-01-0527	Title: A basic study on reduction of cylinder block vibrations for small diesel cars
2000-01-0528	Title: Some problems of sequential turbocharging of diesel engines for racing boats
2000-01-0529	Title: Effect of circulating water temperature change on sealing performance of cylinder head gaskets of diesel engines
2000-01-0539	Title: A new design of optical in-cylinder pressure sensor for automotive applications
2000-01-0543	Title: Effects contributing to the temperature rise of electromagnetic actuators
2000-01-0558	Title: Combustion supervision by evaluating the crankshaft speed and acceleration
2000-01-0581	Title: Expeditious design of mechatronic systems using a VHDL-AMS-based standard element library - A common-rail example
2000-01-0583	Title: Predictive modeling study of the transient load response in a heavy-duty turbocharged diesel engine
2000-01-0585	Title: Multidimensional modeling of a six-mode diesel test cycle using a PDF combustion model
2000-01-0588	Title: Quasi-steady high-pressure droplet model for diesel sprays

2000-01-0650	Title: Strategies for future engine combustion systems—Homogeneous or stratified charge
2000-01-0660	Title: Code coupling, a new approach to enhance CFD analysis of engines
2000-01-0662	Title: 3-D CFD analysis of the combustion process in a DI diesel engine using a flamelet model
2000-01-0691	Title: A comparative analysis of combustion process in D.I. diesel engine fueled with biodiesel and diesel fuel
2000-01-0705	Title: Flexibly-controlled injection rate shape with next-generation common-rail system for heavy-duty DI diesel engines
2000-01-0706	Title: Common-rail injectors for 2000 bar and beyond
2000-01-0707	Title: Improving internal fatigue strength of the rail for diesel engine common-rail system
2000-01-0708	Title: Analysis of diesel fuel pump camshaft speed fluctuations
2000-01-0730	Title: The condition monitoring of diesel engines using acoustic measurements—Part 1: Acoustic characteristics of the engine and representation of the acoustic signals
2000-01-0906	Title: A new concept for steel-composite lightweight valves
2000-01-0918	Title: Predicted and measured ring pack performance of a diesel engine
2000-01-0919	Title: Simulation of piston ring dynamics and their effect on oil consumption
2000-01-0921	Title: Friction losses in multi-cylinder diesel engines
2000-01-0924	Title: Monotherm, a new forged steel piston design for highly loaded diesel engines
2000-01-0925	Title: A Study of abnormal wear in power cylinder of diesel engine with EGR—Wear mechanism of soot contaminated in lubricating oil
2000-01-0926	Title: Methods of improving cylinder liner wear
2000-01-0927	Title: Cummins Smart Oil consumption measuring system
2000-01-0931	Title: Wavelet analysis of non-intrusive pressure transducer traces
2000-01-0940	Title: Diesel-spray ignition and premixed-burn behavior
2000-01-0941	Title: Study on the fuel spray and combustion of the variable orifice nozzle (VON) for direct injection diesel engines
2000-01-0943	Title: The flow patterns and sprays of variable orifice nozzle geometries for diesel injection
2000-01-0944	Title: Potential of common-rail injection system for passenger car DI diesel engines
2000-01-0946	Title: Fuel spray behavior in a small DI diesel engine: Effect of combustion chamber geometry
2000-01-0947	Title: Methods and results from the development of a 2600 bar diesel fuel injection system
2000-01-0948	Title: Assessment of CFD methods for large diesel engines equipped with a common-rail injection system
2000-01-0949	Title: A new 3D model for vaporizing diesel sprays based on mixing-limited vaporization
2000-01-0951	Title: Comparison of computed and measured high-pressure conical diesel sprays
2000-01-0990	Title: Downsizing of diesel engines: 3-cylinder/4-cylinder

2000-01-1081	Title: A review of investigations using the second law of thermodynamics to study internal-combustion engines
2000-01-1176	Title: Available strategies for improving the efficiency of DI diesel engines—A theoretical investigation
2000-01-1178	Title: The influence of physical input parameter uncertainties on multidimensional model predictions of diesel engine performance and emissions
2000-01-1179	Title: Numerical study of the combustion chamber shape for common-rail H.S.D.I. diesel engines
2000-01-1180	Title: Improvements of diesel combustion and emissions with two-stage fuel injection at different piston positions
2000-01-1181	Title: A new method of efficiency analysis in internal combustion engines
2000-01-1184	Title: A new ignition delay formulation applied to predict misfiring during cold starting of diesel engines
2000-01-1185	Title: A methodology for cycle-by-cycle transient heat release analysis in a turbocharged direct-injection diesel engine
2000-01-1186	Title: High-pressure fuel injection for high-power density diesel engines
2000-01-1188	Title: Accelerated testing of multi-layer steel cylinder head gaskets
2000-01-1211	Title: An improved approach to saving cylinder pressure data from steady-state dynamometer measurements
2000-01-1215	Title: The determination of thermal properties of engine combustion chamber deposits
2000-01-1220	Title: Variable valve timing by means of a hydraulic actuation
2000-01-1229	Title: The application of variable event valve timing to a modern diesel engine
2000-01-1232	Title: Evaluation of microalloyed steel for articulated piston applications in heavy-duty diesel engines
2000-01-1233	Title: Diesel piston debond—A perspective
2000-01-1236	Title: Thermal barrier coatings for monolithic ceramic low heat rejection diesel engine components
2000-01-1237	Title: Advancements in high temperature cylinder liner and piston ring tribology
2000-01-1239	Title: Three-dimensional simulation of the piston group
2000-01-1250	Title: An experimental study of high-pressure nozzles in consideration of hole-to-hole spray abnormalities
2000-01-1251	Title: The effect of elliptical nozzle holes on combustion and emission formation in a heavy duty diesel engine
2000-01-1252	Title: Experimental comparison between conventional and bio-derived fuels sprays from a common-rail injection system
2000-01-1253	Title: Modeling fuel system performance and its effect on spray characteristics
2000-01-1254	Title: Diesel spray development of VCO nozzles for high-pressure direct injection
2000-01-1255	Title: Video imaging and analysis of common-rail sprays in an optical engine using shadowgraphy technique

2000-01-1256	Title: Dynamics of multiple-injection fuel sprays in a small-bore HSDI diesel engine
2000-01-1257	Title: Measurement of rate of multiple-injection in CDI diesel engines
2000-01-1267	Title: Using simulation and optimization tools to decide engine design concepts
2000-01-1348	Title: CAE approach for multi-layer-steel cylinder head gaskets
SAE 2001 World Congress	
2001-01-0038	Title: Co-simulation: Developing a virtual vehicle modeling capability
2001-01-0145	Title: The studies of an electronically controlled CNG system for dual fuel engines
2001-01-0153	Title: Experimental investigations on a Jatropa oil methanol dual fuel engine
2001-01-0195	Title: Effects of multiple injections and flexible control of boost and EGR on emissions and fuel consumption of a heavy-duty diesel engine
2001-01-0199	Title: Using advanced injection timing and EGR to improve DI diesel engine efficiency at acceptable NO and soot levels
2001-01-0200	Title: Ultra-clean combustion technology combining a low-temperature and premixed combustion concept for meeting future emission standards
2001-01-0202	Title: Fuel design concept for low emission in engine systems—2nd report: Analysis of combustion characteristics for the mixed fuels
2001-01-0250	Title: A numerical study to control combustion duration of hydrogen-fueled HCCI by using multi-zone chemical kinetics simulation
2001-01-0255	Title: Electronic controls—Breeding new engines
2001-01-0256	Title: Engine control using a real-time combustion model
2001-01-0258	Title: IC engines for 100 miles/gallon cars
2001-01-0265	Title: Impact of the proportional factors of electronic speed governor on diesel engine performance
2001-01-0271	Title: The case for new divided-chamber diesel combustion systems—Part one: Critical analysis of current DI and past significant divided-chamber engines
2001-01-0272	Title: Efficiency characterization of centripetal turbines under pulsating flow conditions
2001-01-0273	Title: Variable geometry system turbocharger for passenger car diesel engine
2001-01-0274	Title: The case of new divided-chamber diesel combustion systems—Part two: Critical analysis of, and solutions for, swirl-prechamber engines
2001-01-0277	Title: Proposal of new supercharging system for heavy-duty vehicular diesel and simulation results of transient characteristics
2001-01-0278	Title: The case for new divided-chamber diesel combustion systems—Part three: Problems with current DI engines and divided-chamber solutions for future diesel engines
2001-01-0280	Title: Performance simulation of a compression ignition free piston engine

2001-01-0281	Title: Dynamic characteristics of viscous-friction dampers by simultaneous vibration displacement measurement at two points
2001-01-0332	Title: Engine control using intake, combustion and transmission models
2001-01-0333	Title: Development of a detailed friction model to predict mechanical losses at elevated maximum combustion pressures
2001-01-0336	Title: Design and development of a model-based feedback controlled cooling system for heavy duty diesel truck applications using a vehicle engine cooling system simulation
2001-01-0404	Title: Newly developed P/M materials to replace malleable and ductile cast irons
2001-01-0405	Title: Successes in transportation casting designs
2001-01-0422	Title: Development of creep-resistant magnesium alloys for powertrain applications: Part 1 of 2
2001-01-0423	Title: Tensile creep and microstructure of magnesium-aluminum-calcium-based alloys for powertrain applications—Part 2 of 2
2001-01-0438	Title: Optimizing mechanical performance of injection molded multiple gated rotating thermoplastic components: Part 1—Consideration of structural analysis and knit line effects
2001-01-0439	Title: Optimizing mechanical performance of injection molded multiple gated rotating thermoplastic components: Part 2—Knit line/weld inter-phase integrity
2001-01-0513	Title: Maximizing the effectiveness of water-blended fuel in reducing emissions by varying injection timing or using after-treatment device
2001-01-0525	Title: Feedback control of a digital hydraulic operating system (DHOS) diesel injector
2001-01-0526	Title: Influence of pre- and post-injection on the performance and pollutant emissions in a HD diesel engine
2001-01-0528	Title: Development of micro-diesel injector nozzles via MEMS technology and effects on spray characteristics
2001-01-0529	Title: The influence of injector parameters on the formation and break-up of a diesel spray
2001-01-0530	Title: Flame lift-off on direct-injection diesel sprays under quiescent conditions
2001-01-0531	Title: X-ray measurements of high pressure diesel sprays
2001-01-0532	Title: Effect of gas density and the number of injector holes on the air flow surrounding non-evaporating transient diesel sprays
2001-01-0533	Title: Investigation on measurement of diesel spray breakup length by using doppler signals
2001-01-0547	Title: Diesel engine combustion chamber geometry optimization using genetic algorithms and multi-dimensional spray and combustion modeling
2001-01-0549	Title: Use of dynamic valving to achieve residual-affected combustion
2001-01-0551	Title: Influence of charge dilution on the dynamic stage of combustion in a diesel engine
2001-01-0555	Title: Modeling and validation of traveling resistance for heavy trucks

2001-01-0556	Title: On-board optimization of driveability character depending on driver style by using a new closed loop approach
2001-01-0563	Title: Simulation of the piston/cylinder behavior for diesel engines
2001-01-0565	Title: A methodology to simulate piston secondary movement under lubricated contact conditions
2001-01-0566	Title: Effects of lubricating oil supply on reductions of piston slap vibration and piston friction
2001-01-0572	Title: Piston ring pack and cylinder wear modeling
2001-01-0573	Title: Exploring PVD coatings for cylinder liner applications
2001-01-0574	Title: A method to reduce the calculation time for an internal combustion engine model
2001-01-0577	Title: Evolution-strategy based, fully automatic, numerical optimization of gas-exchange systems for IC engines
2001-01-0579	Title: The quasi-propagatory model: A new approach for describing transient phenomena in engine manifolds
2001-01-0580	Title: Transient phenomena in one-dimensional ducts
2001-01-0614	Title: A nozzle-integrated flow sensor for common-rail injection systems
2001-01-0682	Title: The development of a fourth-generation hybrid electric vehicle at West Virginia Univ.
2001-01-0684	Title: CAE approach for thermal-acoustical protective shields
2001-01-0918	Title: Measurement of the flame lift-off location on DI diesel sprays using OH chemiluminescence
2001-01-0951	Title: Evaluating commercial and prototype HEVs
2001-01-0985	Title: An improved anti-pulsation mass airflow sensor
2001-01-0990	Title: Individual cylinder IMEP estimation using crankshaft angular velocity measurements
2001-01-0996	Title: Swirl-spray interactions in a diesel engine
2001-01-0997	Title: On non-equilibrium turbulence corrections in multidimensional HSDI diesel engine computations
2001-01-0998	Title: High-pressure spray and combustion modeling using continuous thermodynamics for diesel fuels
2001-01-1001	Title: Simulating the combustion in a DI diesel engine applying a new model for the conditional scalar dissipation rate
2001-01-1003	Title: The role of radical species in diesel engine auto-ignition detection
2001-01-1004	Title: Modeling the effects of EGR and injection pressure on emissions in a high-speed direct-injection diesel engine
2001-01-1005	Title: A mixture fraction averaged approach to modeling NO and soot in diesel engines
2001-01-1007	Title: Quantifying relationships between the crankshaft's speed variation and the gas pressure torque
2001-01-1020	Title: Exhaust heat recovery system for modern cars
2001-01-1021	Title: Towards optimization of automotive waste heat recovery using thermoelectrics
2001-01-1022	Title: OCP—Materials
2001-01-1024	Title: Modeling of the effect of air/fuel ratio and temperature distribution on HCCI engines

2001-01-1025	Title: Prediction of pre-ignition reactivity and ignition delay for HCCI using a reduced chemical kinetic model
2001-01-1026	Title: Modeling and experiments of HCCI engine combustion using detailed chemical kinetics with multidimensional CFD
2001-01-1027	Title: A sequential fluid-mechanic chemical-kinetic model of propane HCCI combustion
2001-01-1028	Title: Development of a two-zone HCCI combustion model accounting for boundary layer effects
2001-01-1029	Title: Modeling of HCCI combustion and emissions using detailed chemistry
2001-01-1031	Title: Closed-loop control of an HCCI engine
2001-01-1032	Title: Reacting boundary layers in a Homogeneous Charge Compression Ignition (HCCI) engine
2001-01-1033	Title: Study of homogeneous charge compression ignition using a rapid compression machine
2001-01-1068	Title: Numerical analysis of passenger car HSDI diesel engines with the 2nd generation of common-rail injection systems: The effect of multiple injections on emissions
2001-01-1069	Title: A computational investigation of water injection strategies for nitric oxide reduction in large-bore DI diesel engines
2001-01-1070	Title: Atomization of high-pressure diesel spray: Experimental validation of a new breakup model
2001-01-1071	Title: Multicomponent fuel consideration for spray evaporation field and spray-wall interaction
2001-01-1079	Title: Analysis of the frequency, causes and consequences of a common quality problem in the babbit coating of trimetal journal bearings
2001-01-1094	Title: Numerical simulation of the scavenging process in a two-stroke turbocharged diesel engine
2001-01-1118	Title: PTFE compounds in automotives
2001-01-1119	Title: The evolution of fluoroelastomer: SIFEL, a new class of easily processed high-performance elastomer, adhesive and sealant
2001-01-1121	Title: Development of a novel polyolefinic thermoplastic vulcanizate for fuel line covering applications
2001-01-1123	Title: A comparative study of the integrity of joints between multilayer fuel line constructions and different connector "barb" designs—Part 2
2001-01-1124	Title: Performance in diesel and biodiesels of fluorosilicone rubber materials used for automotive quick connector fuel line O-rings and other sealing applications
2001-01-1127	Title: Permeation and stress relaxation resistance of elastomeric fuel seal materials
2001-01-1140	Title: Lightweight thermoplastic composite throttle bodies for car and truck applications
2001-01-1142	Title: Performance of HT-thermoplastic spur gears made out of Polyaryletherketone (PAEK)
2001-01-1144	Title: Development of a plastic manifold noise syntheses technique
2001-01-1175	Title: Round robin study of freezing point of coolants using manual and automatic methods
2001-01-1179	Title: Elastomer service life prediction in organic acid coolants
2001-01-1180	Title: The effects of contaminated engine coolants on the service life of elastomers

2001-01-1181	Title: Standard test method for cavitation and erosion-corrosion characteristics of aluminum pumps with engine coolants
2001-01-1182	Title: A chemical base for engine coolant/antifreeze with improved thermal stability properties
2001-01-1184	Title: The role of carboxylate-based coolants in cast iron corrosion protection
2001-01-1185	Title: Heat exchange characteristics of silicate and carboxylate-based coolants in air-cooled engine parts
2001-01-1186	Title: Combustion system of a lean-burn piston engine with catalytic prechamber
2001-01-1220	Title: Smart IGBT for advanced ignition systems
2001-01-1223	Title: A new approach for the validation of engine management strategies specifications through simulation algorithms
2001-01-1235	Title: A simplified model for the spatial distribution of temperature in a motored DI diesel engine
2001-01-1236	Title: Computational study of joint effects of shear, compression and swirl on flow and turbulence in a valveless piston-cylinder assembly
2001-01-1237	Title: Diesel engine cold-start combustion instability and control strategy
2001-01-1241	Title: Diesel engine transient operation with turbocharger compressor surging
2001-01-1242	Title: Event-based mean-value modeling of DI diesel engines for controller design
2001-01-1243	Title: Combustion and exhaust gas modeling of a common-rail diesel engine—An approach
2001-01-1244	Title: The reverse engineering of a turbocharged diesel engine through a unified systems approach
2001-01-1248	Title: Integrated cooling systems for passenger vehicles
2001-01-1249	Title: Experimental study of heat transfer from the heated rib-roughed wall to a steady or pulsating flow
2001-01-1255	Title: The effect of fuel-vapor concentration on the process of initial combustion and soot formation in a DI diesel engine using LII and LIEF
2001-01-1256	Title: Some proposals to low-emission, high-specific-power diesel engine equipped with CRT
2001-01-1257	Title: Combustion system development in a small bore HSDI diesel engine for low-fuel-consuming car
2001-01-1263	Title: Parametric study of the availability balance in an internal combustion engine cylinder
2001-01-1266	Title: Reduction of cooling air drag of road vehicles: An analytical approach
2001-01-1270	Title: Aerodynamic evaluation on Formula SAE vehicles
2001-01-1295	Title: Diffusion-flame/wall interactions in a heavy-duty DI diesel engine
2001-01-1296	Title: Extinction measurements of in-cylinder soot deposition in a heavy-duty DI diesel engine
2001-01-1307	Title: Analysis of the intake flow in a diesel engine head using dynamic steady flow conditions
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2002-01-0008	Title: LDA measurement and 3-D modelling of air motion in swirl chamber of diesel engines
2002-01-0068	Title: Application and evaluation of a detailed friction model on a DI diesel engine with extremely high peak combustion pressures
2002-01-0070	Title: Computer simulation of the performance of a 1.9-liter direct injection diesel engine

2002-01-0073	Title: Development of a zero-dimensional heat release model for application to small bore diesel engines
2002-01-0074	Title: Using a phenomenological multi-zone model to investigate the effect of injection rate shaping on performance and pollutants of a DI heavy-duty diesel engine
2002-01-0076	Title: A controlled EGR cooling system for heavy-duty diesel applications using the vehicle engine cooling system simulation
2002-01-0105	Title: Fuel consumption improvement and operation range expansion in HCCI by direct water injection
2002-01-0106	Title: GDI HCCI: Effects of injection timing and air swirl on fuel stratification, combustion and emissions formation
2002-01-0108	Title: The effect of knock on heat loss in homogeneous charge compression ignition engines
2002-01-0109	Title: Impingement spray system with direct water injection for premixed lean diesel combustion control
2002-01-0112	Title: HCCI combustion of hydrogen, carbon monoxide and dimethyl ether
2002-01-0161	Title: Advanced variable geometry turbocharger for diesel engine applications
2002-01-0164	Title: Why are NCI pistons not used in heavy-duty diesel engines?
2002-01-0165	Title: Three-dimensional vibration characteristics of high-speed automobile diesel engine crankshaft system with a viscous fluid damper
2002-01-0195	Title: Backstepping control with integral action applied to air-to-fuel ratio control for a turbocharged diesel engine
2002-01-0197	Title: A further application of loop shaping H-infinity control to diesel engine control—Driven-idle speed control
2002-01-0198	Title: Advanced torque estimation and control algorithm of diesel engines
2002-01-0199	Title: Individual cylinder control of diesel engines
2002-01-0201	Title: Model simplification and sliding mode control of automotive powertrain
2002-01-0210	Title: Dynamic rise of pressure in the common-rail fuel injection system
2002-01-0212	Title: A thermo-resistive flow sensor for injection rate measurements
2002-01-0213	Title: Numerical analysis of high-pressure fast-response common-rail injector dynamics
2002-01-0214	Title: Cavitation initiation, its development and link with flow turbulence in diesel injector nozzles
2002-01-0215	Title: A numerical study of the influence of diesel nozzle geometry on the inner cavitating flow
2002-01-0216	Title: Mathematical formulation for hydrodynamic stability of fluidic jets
2002-01-0217	Title: Study of the impact of variations in the diesel-nozzle geometry parameters on the layout of multiple injection strategy
2002-01-0218	Title: Characteristics of a common-rail diesel injection system under pilot and post-injection modes
2002-01-0219	Title: Evaporating spray concentration measurements from small- and medium-bore diesel injectors
2002-01-0297	Title: Experimental study for high specific load bearings in the diesel engine

2002-01-0337	Title: Method of accelerated evaluation of automotive engine durability
2002-01-0378	Title: Model-based sequential turbocharging optimization for Series 8000 M70/M90 engines
2002-01-0418	Title: Experimental investigation of direct injection gasoline for premixed compression-ignited combustion-phasing control
2002-01-0421	Title: On the mechanism of controlled auto ignition
2002-01-0423	Title: A skeletal chemical kinetic model for the HCCI combustion process
2002-01-0424	Title: The HCCI combustion process in a single cycle—High-Speed fuel tracer LIF and chemiluminescence imaging
2002-01-0425	Title: The effect of combustion chamber geometry on HCCI operation
2002-01-0426	Title: Modelling of HCCI combustion using adaptive chemical kinetics
2002-01-0478	Title: Neural feedforward compensation for closed cycle diesel system
2002-01-0481	Title: Air/fuel ratio and residual gas fraction control using physical models for high boost engines with variable valve timing
2002-01-0483	Title: An experimental study on phenomena of piston ring collapse
2002-01-0487	Title: A study of two-stroke engine braking for HD diesel engines
2002-01-0489	Title: Modern piston ring coatings and liner technology for EGR applications
2002-01-0492	Title: Thermal load in a heavy-duty diesel engine with EUI system
2002-01-0493	Title: The evolution of aluminum-based piston alloys for direct injection diesel engines
2002-01-0494	Title: Effect of small holes and high injection pressures on diesel engine combustion
2002-01-0495	Title: Optical investigation of the effect of fuel jet wall impact position on soot emissions in a single-cylinder, common-rail direct injection diesel engine
2002-01-0496	Title: Fuel injection spray and combustion chamber wall impingement in large-bore diesel engines
2002-01-0497	Title: Effect of injection parameters and wall impingement on atomization and gas entrainment processes in diesel sprays
2002-01-0498	Title: The structure analysis of evaporative diesel spray
2002-01-0499	Title: Air flow characteristics surrounding evaporating transient diesel sprays
2002-01-0500	Title: A numerical and experimental study towards possible improvements of common-rail injectors
2002-01-0501	Title: Pilot injection timing effect on the main injection development and combustion in a DI diesel engine
2002-01-0502	Title: Influence of the post-injection pattern on performance, soot and NOx emissions in a HD diesel engine
2002-01-0503	Title: Influence of multiple injection strategies on emissions, combustion noise and BSFC of a DI common-rail diesel engine

2002-01-0504	Title: Effects of VGT and injection parameters on performance of HSDI diesel engine with common-rail FIE system
2002-01-0615	Title: Investigation of 'sweep' mapping approach on engine testbed
2002-01-0630	Title: Transient modelling for heavy tracked vehicle performance and fuel consumption under accelerating conditions
2002-01-0665	Title: New stopper technologies for MLS gaskets
2002-01-0763	Title: A process for modelling and analysis of prototyped products and its application to a variable fan drive
2002-01-0842	Title: Introduction of a new non-invasive pressure sensor for common-rail systems
2002-01-0846	Title: Model-based injection mass supervision for diesel engines using a fast broadband oxygen sensor
2002-01-0862	Title: Viscosity and lubricity of (liquid) dimethyl ether—An alternative fuel for compression-ignition engines
2002-01-0864	Title: Spray and exhaust emission characteristics of a biodiesel engine operating with the blend of plant oil and DME
2002-01-0867	Title: Combustion of the rape-seed oil in a diesel engine
2002-01-0868	Title: Theoretical and experimental investigation of a direct injection dual-fuel diesel-natural gas engine
2002-01-0869	Title: Performance and emissions characteristics of an LPG direct injection diesel engines
2002-01-0871	Title: Study of the effect of boiling point on combustion and PM emissions in a compression ignition engine using two-component n-paraffin fuels
2002-01-0890	Title: Flame lift-off on direct-injection diesel fuel jets: Oxygen concentration effects
2002-01-0891	Title: Late-cycle turbulence generation in swirl-supported, direct-injection diesel engines
2002-01-0892	Title: Absolute NO and OH concentrations during diesel combustion process by multiwavelength absorption spectroscopy
2002-01-0943	Title: An evaluation of a composite model for predicting drop-drop collision outcomes in multidimensional spray computations
2002-01-0944	Title: Dependence of fuel-air mixing characteristics on injection timing in an early-injection diesel engine
2002-01-0945	Title: CFD simulation of diesel injection and combustion
2002-01-0946	Title: Simulation of non-evaporating diesel sprays and verification with experimental data
2002-01-0958	Title: Multi-mode genetic algorithm optimization of combustion chamber geometry for low emissions
2002-01-0959	Title: CFD optimization of DI diesel engine performance and emissions using variable intake valve actuation with boost pressure, EGR and multiple injections
2002-01-0960	Title: Experimental optimization of a heavy-duty diesel engine using automated genetic algorithms
2002-01-0964	Title: A new approach to boost pressure and EGR rate control development for HD truck engines with VGT
2002-01-0999	Title: Prospects for combustion in piston engines

2002-01-1076	Title: New-generation, high-pressure sensors for common-rail systems
2002-01-1084	Title: High fuel economy CIDI engine for General Motors Corporation PNGV program
2002-01-1104	Title: An impulse charging system for SI and diesel engines
2002-01-1108	Title: Increasing torque output from a turbodiesel with camless valvetrain
2002-01-1114	Title: Numerical investigation of reaction zone structure and flame liftoff of DI diesel sprays with complex chemistry
2002-01-1115	Title: Numerical study towards smoke-less and NOx-less HSDI diesel engine combustion
2002-01-1116	Title: A comparison of mixing-controlled and flamelet models for diesel combustion
2002-01-1117	Title: Relating integral length scale to turbulent time scale and comparing k-eand RNG k-eturbulence models in diesel combustion simulation
2002-01-1146	Title: Model-based fault detection of diesel intake with common production sensors
2002-01-1148	Title: Optimization of heavy-duty diesel engine parameters for low exhaust emissions using the design of experiments
2002-01-1150	Title: Potential of multiple injection strategy for low emission diesel engines
2002-01-1161	Title: Phenomenological analysis of injection, auto-ignition and combustion in a small DI diesel engine
2002-01-1162	Title: Optical investigation of auto-ignition process in a small DI diesel engine
2002-01-1211	Title: Design and optimization of the University of Wisconsin's parallel hybrid-electric sport utility vehicle
2002-01-1212	Title: Design and development of the 2001 Michigan Tech FutureTruck, a power-split hybrid electric vehicle
2002-01-1282	Title: Electrohydraulic valvetrain for extreme value diesel engine
2002-01-1292	Title: Coordinated control of EGR and VNT in turbocharged diesel engine based on intake air mass observer
2002-01-1314	Title: A new concept thrust washer for gasoline and diesel engines
2002-01-1316	Title: The progression of engine bearing overlays
SAE 2003 World Congress	
2003-01-0001	Title: Optimizing the scavenging system for a two-stroke cycle, free piston engine for high efficiency and low emissions: A computational approach
2003-01-0002	Title: Fluid-dynamic analysis of the intake system for a HDDI diesel engine by STAR-CD code and LDA technique
2003-01-0003	Title: On the applications of low-Reynolds cubic k-eturbulence models in 3D simulations of ICE intake flows
2003-01-0006	Title: Advanced modelling of common-rail injector dynamics and comparison with experiments
2003-01-0008	Title: Improved modelling of DI diesel engines using sub-grid descriptions of spray and combustion

2003-01-0028	Title: The influence of variable valve actuation on the part- load fuel economy of a modern light-duty diesel engine
2003-01-0039	Title: Diesel emission control in review—The last 12 months
2003-01-0045	Title: Performance of NOx adsorber emissions control systems for diesel engines
2003-01-0046	Title: Diesel particulate filters: Trends and implications of particle size distribution measurement
2003-01-0047	Title: Performance of a catalyzed diesel particulate filter system during soot accumulation and regeneration
2003-01-0048	Title: NOx and PM control from heavy-duty diesel engines using a combination of low-pressure EGR and continuously regenerating diesel particulate filter
2003-01-0049	Title: Effects of a catalyzed particulate filter on emissions from a diesel engine: Chemical characterization data and particulate emissions measured with thermal optical and gravimetric methods
2003-01-0050	Title: Development of multi-layer, aluminum-tin-silicon alloy bearing for automotive diesel engine
2003-01-0051	Title: Variable geometry diffuser of turbocharger compressor for passenger vehicles
2003-01-0052	Title: Fatigue life of diesel engine cams in accelerated test environment
2003-01-0053	Title: Development of a spark-assisted diesel engine
2003-01-0054	Title: Advances of Hino J-series diesel engines
2003-01-0056	Title: NVH optimization of the new 2.5L HSDI diesel engine with common rail
2003-01-0072	Title: In-cylinder measurement of particulate radiant heat transfer in a direct injection diesel engine
2003-01-0073	Title: Effects of flame lift-off and flame temperature on soot formation in oxygenated fuel sprays
2003-01-0074	Title: Effects of the in-cylinder environment on diffusion flame lift-off in a DI diesel engine
2003-01-0076	Title: Measurement of trace metal composition in diesel engine particulate and its potential for determining oil consumption: ICPMS (inductively coupled plasma mass spectrometer) and ATOFMS (aerosol time of flight mass spectrometer) measurements
2003-01-0078	Title: Komatsu STA 12V140 water-emulsified fuel engine
2003-01-0080	Title: Simulation of diesel engines cold start
2003-01-0081	Title: A well-to-wheel comparison of several powertrain technologies
2003-01-0110	Title: FlexRay—The communication system for future control systems in vehicles
2003-01-0216	Title: Superior idle elimination system for truck air-conditioning (SIESTA)
2003-01-0219	Title: Mean value modelling of the gas exchange of a 4-stroke diesel engine for use in powertrain applications
2003-01-0220	Title: Lattice Boltzmann simulations of flows in a duct with multiple inlets
2003-01-0224	Title: A diesel engine thermal transient simulation: Coupling between a combustion model and a thermal model

2003-01-0244	Title: New conceptual lead-free overlays consisted of solid lubricant for internal combustion engine bearings
2003-01-0245	Title: Journal bearing analysis in engines using simulation techniques
2003-01-0261	Title: New integrated ""O.P.E.R.A.S."" strategies for low emissions in HSDI diesel engines
2003-01-0262	Title: Simultaneous low engine-out NOx and particulate matter with highly diluted diesel combustion
2003-01-0263	Title: Cooled EGR rate measurement with a thermal anemometer for EPA02 heavy-duty diesel engine emission control
2003-01-0264	Title: Reduction of NOx emissions by water injection in to the inlet manifold of a DI diesel engine
2003-01-0276	Title: Simulation-based vehicle thermal management system—Concept and methodology
2003-01-0285	Title: Particle size distribution from a heavy-duty diesel engine: Steady-state and transient emission measurement using two dilution systems and two fuels
2003-01-0287	Title: Retention of fuel-borne catalyst particles by diesel particle filter systems
2003-01-0288	Title: Study of exhaust emissions from idling heavy-duty diesel trucks and commercially available idle-reducing devices
2003-01-0289	Title: Particulate matter and aldehyde emissions from idling heavy-duty diesel trucks
2003-01-0340	Title: Effect of injection pressure on the performance and exhaust emissions of a heavy-duty DI diesel engine
2003-01-0341	Title: Premixed diesel combustion analysis in a heavy-duty diesel engine
2003-01-0342	Title: Effect of engine operating conditions on particle-phase organic compounds in engine exhaust of a heavy-duty, direct- injection (D.I.) diesel engine
2003-01-0343	Title: Reduction of pollutant emissions in a HD diesel engine by adjustment of injection parameters, boost pressure and EGR
2003-01-0344	Title: Can the technology for heavy-duty diesel engines be common for future emission regulations in USA, Japan and Europe?
2003-01-0345	Title: An experimental investigation of PCCI-DI combustion and emissions in a heavy-duty diesel engine
2003-01-0346	Title: Computational study of the effects of injection timing, EGR and swirl ratio on a HSDI multi-injection diesel engine emission and performance
2003-01-0347	Title: An experimental study on emissions optimization using micro-genetic algorithms in a HSDI diesel engine
2003-01-0348	Title: Split-spray piston geometry optimized for HSDI diesel engine combustion
2003-01-0349	Title: The effects of split injection and swirl on a HSDI diesel engine equipped with a common-rail injection system
2003-01-0350	Title: Experimental investigation on emission control in C.I. engines using shrouded inlet valve
2003-01-0351	Title: Experimental research on EGR in a diesel engine equipped with common-rail injection system

2003-01-0357	Title: Model-based control of the VGT and EGR in a turbocharged common-rail diesel engine: Theory and passenger car implementation
2003-01-0361	Title: A neuro-fuzzy approach for anti-jerk control
2003-01-0362	Title: Coordinated control of EGR valve and intake throttle for better fuel economy in diesel engines
2003-01-0363	Title: A new vibration diagnosis method based on the neural network and wavelet analysis
2003-01-0364	Title: Advantages of diesel engine control using in-cylinder pressure information for closed-loop control
2003-01-0365	Title: Revolution control of generator diesel engine by neural network controller
2003-01-0376	Title: Diesel particulate filter optimization
2003-01-0379	Title: An optimal usage of NOx in a combined Pt/ceramic foam and a wall-flow monolith filter for an effective NOx-assisted diesel soot oxidation
2003-01-0380	Title: Material development of high porous SiC for catalyzed diesel particulate filters
2003-01-0381	Title: Engine intake throttling for active regeneration of diesel particle filters
2003-01-0382	Title: A novel fuel-borne catalyst dosing system for use with a diesel particulate filter
2003-01-0383	Title: The effect of SiC properties on the performance of catalyzed diesel particulate filter (DPF)
2003-01-0384	Title: Durability study on Si-SiC material for DPF
2003-01-0385	Title: Development of diesel particulate filter for construction machines
2003-01-0386	Title: Characteristics and evaluation of porous silicon nitride DPF
2003-01-0397	Title: Adaptive inverse torque control of a diesel engine using adaptive mapping update
2003-01-0402	Title: Development of an actuator for a fast moving flap for impulse charging
2003-01-0405	Title: Low heat rejection engines—An overview
2003-01-0406	Title: Lightweight engine structures—Mechanical, acoustic and production aspects
2003-01-0407	Title: Further pressure pulsation reduction in fuel rails
2003-01-0412	Title: Assessing tank-to-wheel efficiencies of advanced technology vehicles
2003-01-0441	Title: C-A-S-T is not a four letter word
2003-01-0445	Title: Soft magnetic MIM parts for diesel engines
2003-01-0473	Title: Thermal examination of a MLS gasket with integrated sensor technology for an effective heat management
2003-01-0479	Title: The 1D CAE program for cylinder head gasket design
2003-01-0480	Title: Sealing the high-performance diesel engine with Victocor 500
2003-01-0481	Title: Proteus®—MLS cylinder head gasket analysis tool
2003-01-0484	Title: MLS influence on engine structure and sealing function
2003-01-0532	Title: Equations for physical properties of automotive coolants
2003-01-0533	Title: Advances in automotive heat exchanger technology
2003-01-0550	Title: Knowledge-based CAx tools for the development of environmentally sound products

2003-01-0560	Title: Multidimensional modelling of the effects of radiation and soot deposition in heavy-duty diesel engines
2003-01-0561	Title: Heat transfer sensitivity study for an advanced diesel engine
2003-01-0614	Title: Actively controlled cooling jets
2003-01-0617	Title: Simulation of transient heat transfer for coupling 3-D moving component system within internal combustion chamber
2003-01-0698	Title: Advanced two-actuator EUI and emission reduction for heavy-duty diesel engines
2003-01-0699	Title: Effect of cycle-to-cycle variation in the injection pressure in a common-rail diesel injection system on engine performance
2003-01-0700	Title: Effects of pilot injection parameters on combustion for common-rail diesel engines
2003-01-0701	Title: The effects of multirow nozzles on diesel combustion
2003-01-0703	Title: Measurements of spray momentum for the study of cavitation in diesel injection nozzles
2003-01-0704	Title: Effect of nozzle hole geometry on a HSDI diesel engine- out emissions
2003-01-0705	Title: An experimental and numerical study of injector behavior for HSDI diesel engines
2003-01-0706	Title: Study of the impact on the combustion process of injector nozzle layout creating enhanced secondary spray break-up
2003-01-0707	Title: Glow plug with combustion pressure sensor
2003-01-0710	Title: Semiconductor solutions for piezo injector systems
2003-01-0726	Title: Fatigue analysis methodology for predicting engine valve life
2003-01-0727	Title: Simulation of an engine valve stress/strain response during a closing event
2003-01-0728	Title: Prediction of in-cylinder pressure, temperature, and loads related to the crank-slider mechanism of I. C. engines: A computational model
2003-01-0741	Title: A compound technology for HCCI combustion in a DI diesel engine based on the multi-pulse injection and the BUMP combustion chamber
2003-01-0742	Title: Dual-mode combustion concept with premixed diesel combustion by direct injection near top dead center
2003-01-0743	Title: The effect of cooled EGR on emissions and performance of a turbocharged HCCI engine
2003-01-0744	Title: Gas temperature measurements during ignition in an HCCI engine
2003-01-0745	Title: HCCI combustion in DI diesel engine
2003-01-0746	Title: Combustion control and operating range expansion with direct injection of reaction suppressors in a premixed DME HCCI engine
2003-01-0747	Title: Effects of air/fuel ratios and EGR rates on HCCI combustion of n-heptane, a diesel type fuel
2003-01-0748	Title: Integrated simulation and engine test of closed-loop HCCI control by aid of variable valve timings

2003-01-0749	Title: Expansion of HCCI operating region by the combination of direct fuel injection, negative valve overlap and internal fuel reformation
2003-01-0755	Title: Modelling and simulation of a dual-fuel (diesel/natural gas) engine with multidimensional CFD
2003-01-0758	Title: Development of retrofit DME diesel engine operating with rotary distributor fuel injection pump
2003-01-0759	Title: Compression ignition delay (physical + chemical) of dimethyl ether—An alternative fuel for compression-ignition engines
2003-01-0760	Title: Effect of diethyl ether on the performance and emission of a 4 - S DI diesel engine
2003-01-0761	Title: A study of direct injection diesel engine fueled with hydrogen
2003-01-0762	Title: Study on combustion and emission characteristics of diesel engines using ethanol-blended diesel fuels
2003-01-0763	Title: Fischer-Tropsch diesel fuels—Properties and exhaust emissions: A literature review
2003-01-0764	Title: Spray characteristics of LPG direct injection diesel engine
2003-01-0765	Title: A study on the determination of the amount of pilot injection and rich and lean boundaries of the pre-mixed CNG/air mixture for a CNG/diesel dual-fuel engine
2003-01-0766	Title: A study of some combustion characteristics of dual-fuel engine using EGR
2003-01-0767	Title: Vegetable oils and their derivatives as fuels for CI engines: An overview
2003-01-0769	Title: Particle-free exhaust gas recirculation by molecular diffusion: Proof of concept
2003-01-0770	Title: U.S. 2007—Which way to go?—Possible technical solutions
2003-01-0775	Title: Application of organic freeze-point depressants in aqueous urea solutions: Effect on NO _x reduction
2003-01-0776	Title: Control of a urea SCR catalytic converter system for a mobile heavy-duty diesel engine
2003-01-0777	Title: PM reduction by SCR catalyst
2003-01-0778	Title: The development and performance of the compact SCR-Trap system: A 4-way diesel emission control system
2003-01-0809	Title: Cost competitiveness of fuel cell vehicles through novel hybridization approaches
2003-01-0833	Title: Experimental determination of the kinetics of diesel soot oxidation by O ₂ —Modelling consequences
2003-01-0835	Title: Lattice-Boltzmann diesel particulate filter sub-grid modelling—A progress report
2003-01-0836	Title: Visualization of combustion phenomena in regeneration of diesel particulate filter
2003-01-0837	Title: Heat-up of diesel particulate filters: 2D continuum modelling and experimental results
2003-01-0838	Title: Novel three-dimensional ceramic lattices as catalyst supports and diesel particulate traps
2003-01-0840	Title: The progressive spin inlet—Homogeneous flow distributions under stringent conditions
2003-01-0841	Title: A one-dimensional computational model for studying the filtration and regeneration characteristics of a catalyzed wall-flow diesel particulate filter

2003-01-0842	Title: A study describing the performance of diesel particulate filters during loading and regeneration—A lumped parameter model for control applications
2003-01-0843	Title: Prediction and validation of pressure drop for catalyzed diesel particulate filters
2003-01-0844	Title: Simulation of triangular-cell-shaped, fibrous wall-flow filters
2003-01-0845	Title: Modelling of SCR DeNOx catalyst—Looking at the impact of substrate attributes
2003-01-0846	Title: Flow resistance descriptors for diesel particulate filters: Definitions, measurements and testing
2003-01-0861	Title: Drivetrain modelling, simulation, and analysis using VHDL-AMS
2003-01-0862	Title: Drive—An integrated system approach to automotive powertrain simulation
2003-01-0864	Title: Math-based, computer-aided prototyping for automotive mechatronic applications
2003-01-0942	Title: New heat- and oil-resistant thermoplastic vulcanizate (TPV) for demanding underhood applications
2003-01-0943	Title: Liquid injection sealing: New and novel approach to meet gasketing needs
2003-01-0946	Title: The effects of configuration on sealing force measurement and compression stress relaxation response
2003-01-0947	Title: Evaluation of new ACM polymers in sealing applications using advances in compressive stress relaxation test measurement
2003-01-0949	Title: The development of lab-simulation test to accelerate the durability validation of engine mounting and wiring harness
2003-01-0951	Title: Development of a computerized electrodynamic resonant fatigue test machine and its applications to automotive components
2003-01-0979	Title: Development of the ferritic stainless steel welding wire providing fine-grain microstructure weld metal for the components of automotive exhaust system
2003-01-0982	Title: Development of a technique to predict oil consumption with consideration for cylinder deformation—Prediction of ring oil film thickness and amount of oil passing across running surface under cylinder deformation
2003-01-0985	Title: Simplified elasto-hydrodynamic friction model of the cam-tappet contact
2003-01-0986	Title: Prediction of temperatures on pistons with cooling gallery in diesel engines using CFD tool
2003-01-1025	Title: Bringing MATLAB® into the test cell
2003-01-1033	Title: Three-dimensional shape measurement with high-energy x-ray CT-scan
2003-01-1035	Title: Real-time calibration and debug techniques of embedded processors with the Nexus 5001 interface
2003-01-1037	Title: A test bench for performance of gas-to-gas intercooler
2003-01-1038	Title: Fuel design concept for low emission in engine systems 4th report: Effect of spray characteristics of mixed fuel on exhaust concentrations in diesel engine
2003-01-1039	Title: Behavior of a diesel injection system with biodiesel fuel

2003-01-1040	Title: Time-resolved spray characterization in a common-rail, direct-injection, production-type diesel engine using combined Mie/LIF laser diagnostics
2003-01-1041	Title: Modelling the effect of primary atomization on diesel engine emissions
2003-01-1042	Title: Influence of wall impingement on the structure of reacting jets
2003-01-1043	Title: Multi-dimensional modelling of direct-injection diesel spray liquid length and flame lift-off length using CFD and parallel detailed chemistry
2003-01-1044	Title: A cascade atomization and drop breakup model for the simulation of high-pressure liquid jets
2003-01-1045	Title: Investigation of atomization characteristics and prediction accuracy of hybrid models for high-speed diesel fuel sprays
2003-01-1047	Title: Comparison between two droplet heating models under diesel spray-like conditions
2003-01-1048	Title: A common software architecture for diesel and gasoline engine control systems of the new generation EDC/ME(D)17
2003-01-1049	Title: Benefits of using a real-time engine model during engine ECU development
2003-01-1050	Title: Real-time engine models
2003-01-1060	Title: A new quasi-three dimensional combustion model for prediction of DI diesel engines' performance and pollutant emissions
2003-01-1062	Title: An investigation of ignition and heat release characteristics in a diesel engine using an interactive flamelet model
2003-01-1064	Title: Optimization of the combustion chamber of direct injection diesel engines
2003-01-1065	Title: Simulation of a 1.9-liter direct injection turbocharged diesel engine at part load
2003-01-1066	Title: Heat transfer model to calculate turbocharged HSDI diesel engines performance
2003-01-1067	Title: Simulation and analysis of combustion and heat transfer in low-heat-rejection diesel engine using two-zone combustion model and different heat transfer models
2003-01-1068	Title: The impact of exhaust gas recirculation on performance and emissions of a heavy-duty diesel engine
2003-01-1069	Title: LES and RNG turbulence modelling in DI diesel engines
2003-01-1070	Title: Zero-dimensional soot modelling
2003-01-1071	Title: Modelling and experiments on ignition of fuel sprays considering the interaction between fuel-air mixing and chemical reactions
2003-01-1072	Title: An experimental assessment of turbulence production, Reynolds stress and length scale (dissipation) modelling in a swirl-supported DI diesel engine
2003-01-1084	Title: Simultaneous control of air/fuel ratio and intake, exhaust valve timing for HCCI operation
2003-01-1085	Title: Homogenization of combustion in cylinder of CI engine using porous medium

2003-01-1087	Title: Numerical modelling of diesel engine combustion and emissions under HCCI-like conditions with high EGR levels
2003-01-1088	Title: Modelling the effects of geometry-generated turbulence on HCCI engine combustion
2003-01-1089	Title: Combustion analysis of natural gas in a four-stroke HCCI engine using experiment and elementary reactions calculation
2003-01-1090	Title: Numerical analysis of auto-ignition and combustion of n- butane and air mixture in the homogeneous charge compression ignition engine by using elementary reactions
2003-01-1091	Title: Numerical simulation of mixture formation and combustion of gasoline engines with multi-stage direct injection compression ignition (DICI)
2003-01-1092	Title: Prediction of the knock limit and viable operating range for a homogeneous-charge, compression-ignition (HCCI) engine
2003-01-1093	Title: A computationally efficient method for the solution of methane-air chemical kinetics with application to HCCI combustion
2003-01-1094	Title: Predicting the bending life of wire harnesses by CAE analysis
2003-01-1097	Title: Application of oxide aluminum-chrome carbide composites in automotive engines
2003-01-1098	Title: An innovative oil control ring designed by powder metallurgy techniques
2003-01-1100	Title: Carbon deposition reducing coatings for highly loaded large diesel engines
2003-01-1104	Title: Development of high-temperature diesel engine piston ring and cylinder liner tribology
2003-01-1106	Title: Dynamic simulation of a piston for compressor application and correlation with bench tests
2003-01-1107	Title: Reliability on piston design for engine and productivity requirements
2003-01-1110	Title: Engine with optically accessible cylinder head: A research tool for injection and combustion processes
2003-01-1111	Title: Soot formation analysis by multiwavelength spectroscopy in an external chamber diesel engine equipped with a CR injection system
2003-01-1112	Title: In-cylinder combustion analysis by flame emission spectroscopy of transparent CR diesel engine
2003-01-1116	Title: Wavelength-agile laser sensors for measuring gas properties in engines
2003-01-1121	Title: Structural and material features that influence emissions from thermoplastic multilayer fuel tanks
2003-01-1183	Title: Reducing soot emissions from diesel engines using one atmosphere uniform glow discharge plasma
2003-01-1184	Title: Diesel exhaust simulator: Design and application to plasma discharge testing
2003-01-1185	Title: Simultaneous removal of NOx and particles from diesel engine exhaust using plasma and oxidative catalyst
2003-01-1186	Title: Steady-state engine testing of g-alumina catalysts under plasma assist for NOx control in heavy-duty diesel exhaust
2003-01-1187	Title: Fundamental study on durability of photocatalysts- plasma-honeycomb (PPH) converter

2003-01-1188	Title: NOx removal using discharge plasma and electrophoresis
2003-01-1223	Title: A PG-based powertrain model to generate component loads for fatigue reliability testing
2003-01-1255	Title: Analysis of vehicle performance at the FutureTruck 2002 competition
2003-01-1258	Title: Design and development of the 2002 Penn State University parallel hybrid electric explorer, the Wattmuncher
2003-01-1260	Title: Celebrating the Exclaim!
2003-01-1269	Title: The 2002 Ohio State University FutureTruck—The BuckHybrid002
2003-01-1309	Title: Development of fracture split steel connecting rods
2003-01-1328	Title: Powertrain driveability evaluation: Analysis and simplification of dynamic models
2003-01-1358	Title: Analysis of flow and cavitation phenomena in diesel injection nozzles and its effects on spray and mixture formation
2003-01-1363	Title: Component and system life distribution prediction using Weibull and Monte Carlo analysis with reliability demonstration implications for an electronic diesel fuel injector
2003-01-1365	Title: AMC-SC1: A new magnesium alloy suitable for powertrain applications
2003-01-1378	Title: Study of pressure drop effect on airflow in battle tanks
2003-01-1381	Title: Comparison of exhaust emissions, including toxic air contaminants, from school buses in compressed natural gas, low-emitting diesel, and conventional diesel engine configurations
2003-01-1390	Title: A novel technique to measure wall flow in diesel particulate filters
2003-01-1391	Title: Hong Kong experience in retrofitting in-use diesel vehicles
SAE 2004 World Congress and Exhibition	
2004-01-0019	Title: Advanced modelling of a new diesel fast solenoid injector and comparison with experiments
2004-01-0020	Title: Advanced modelling of a heavy-truck unit-injector system and its applications in the engine design process
2004-01-0022	Title: Performance evaluation of a multi-burst rapidly operating secondary actuator applied to diesel injection system
2004-01-0023	Title: Study of the impact on the spray shape stability and the combustion process of supply pressure fluctuations in CR-diesel injectors
2004-01-0024	Title: Evaluation of a 3-way direct needle control unit injector on hydraulic test bench and V8 engine
2004-01-0025	Title: A fully automatic system for the morphology characterization of high pressure diesel sprays
2004-01-0026	Title: Investigation of microflow machining effects on diesel injector spray characteristics
2004-01-0027	Title: Comparing cavitation in diesel injectors based on different modelling approaches
2004-01-0028	Title: Quantification of instantaneous diesel flow rates in flow generated by a stable and controllable multiple injection system (ROSA)
2004-01-0029	Title: Diesel common-rail injection system behavior with different fuels

2004-01-0030	Title: A method for distributor fuel injection pump and injectors diagnostics in diesel engines
2004-01-0031	Title: Influence of increased diesel fuel spray velocities and improved spray penetration in DI engines
2004-01-0032	Title: Analytical comparison of 2- and 3-way digital valves for use on direct needle control fuel injectors
2004-01-0048	Title: Modelling and validation of automotive ""smart"" thermal management system architectures
2004-01-0050	Title: Thermal studies in the exhaust system of a diesel-powered, light-duty vehicle
2004-01-0051	Title: Development and validation of coolant temperature and cooling air flow CFD simulations at Volvo Cars
2004-01-0052	Title: Theoretical and experimental methodology for the improvement of EGR-coolers design
2004-01-0054	Title: Potential of a controllable engine cooling system to reduce NOx emissions in diesel engines
2004-01-0055	Title: A study of anticorrosive technology in super long-life coolant
2004-01-0056	Title: Improving engine coolant system performance with the science of sealing technology; PART II: Compact seal design
2004-01-0057	Title: Examinations of extended-life, heavy-duty engine coolant filters
2004-01-0070	Title: Diesel emission control technology—2003 in review
2004-01-0082	Title: Combustion and performance of a diesel engine with oxygenated diesel blend
2004-01-0083	Title: On-board measurement of engine performance and emissions in diesel vehicle operated with bio-diesel fuel
2004-01-0086	Title: The Texas diesel fuels project, part 3: Cost-effectiveness analyses for an emulsified diesel fuel for highway construction equipment fleets
2004-01-0087	Title: The Texas diesel fuels project, part 2: Comparisons of fuel consumption and emissions for a fuel/water emulsion and conventional diesel fuels
2004-01-0088	Title: Fuel characteristics evaluation of GTL for DI diesel engine
2004-01-0089	Title: Spectroscopic analysis of combustion in the DME diesel engine
2004-01-0090	Title: The Texas diesel fuels project, part 1: Development of TxDOT-specific test cycles with emphasis on a ""route"" technique for comparing fuel/water emulsions and conventional diesel fuels
2004-01-0092	Title: Modelling and experiments of dual-fuel engine combustion and emissions
2004-01-0097	Title: Experimental investigation to specify the effect of oxygenated additive content and type on DI diesel engine performance and emissions
2004-01-0098	Title: Effect of various lubricating oils on piston deposits in biodiesel-fueled engines
2004-01-0100	Title: Large eddy simulation of primary diesel spray atomization
2004-01-0103	Title: A wall-modified flamelet model for diesel combustion
2004-01-0104	Title: Combustion and emission modelling for a direct injection diesel engine
2004-01-0105	Title: Simulation of effects of valve pockets and internal residual gas distribution on HSDI diesel combustion and emissions

2004-01-0106	Title: 3D-Simulation of DI-diesel combustion applying a progress variable approach accounting for complex chemistry
2004-01-0107	Title: Modelling of diesel combustion and no emissions based on a modified eddy dissipation concept
2004-01-0109	Title: Complete engine modelling using CFD
2004-01-0110	Title: In-cylinder CFD simulation using a C++ object-oriented toolkit
2004-01-0111	Title: Development and validation of a boundary layer control system to increase intake port steady permeability
2004-01-0112	Title: The influence of swirl control strategies on the intake flow in four valve HSDI diesel engines
2004-01-0113	Title: Study on Euro IV combustion technologies for direct injection diesel engine
2004-01-0114	Title: Exhaust chemistry of low-NOX, low-PM diesel combustion Title: Multi-zone combustion modelling as a tool for DI diesel engine development—Application for the effect of injection pressure
2004-01-0115	
2004-01-0116	Title: Simulation studies of the effect of fuel injection pattern on NO and soot formation in diesel engines
2004-01-0117	Title: DI diesel emission control by optimized fuel injection Title: Computational study of the effects of the re-entrant lip shape and toroidal radii of piston bowl on a HSDI diesel engine's performance and emissions
2004-01-0118	
2004-01-0119	Title: Optimization of a common-rail diesel engine start-up process
2004-01-0120	Title: Transient EGR control for a turbocharged heavy-duty diesel engine
2004-01-0121	Title: Experimental investigation of PCCI-DI combustion on emissions in a light-duty diesel engine
2004-01-0122	Title: Effect of diesel soot deposition on the performance of exhaust gas recirculation cooling devices Title: Application of the design of experiments and objective functions for the optimization of multiple injection strategies for low emissions in CR diesel engines
2004-01-0123	
2004-01-0124	Title: Emissions solutions for 2007 and 2010 heavy-duty diesel engines
2004-01-0125	Title: Effect of cooling of burned gas by vertical vortex on NOx reduction in small DI diesel engines
2004-01-0127	Title: Effects of multiple injections in a HSDI diesel engine equipped with common-rail injection system
2004-01-0201	Title: Analysis and diagnostics of time-triggered CAN (TTCAN) systems
2004-01-0209	Title: High-performance and cost-effective electronic controller architecture for powertrain systems Title: Accelerated life cycle development for electronic throttle control software using model-based/auto-code technology
2004-01-0276	
2004-01-0422	Title: Cylinder individual AFR estimation based on a physical model and using Kalman filters
2004-01-0423	Title: Review and future trends Title: Coordinating control-oriented research on algorithm of engine torque estimation for parallel hybrid electric powertrain system
2004-01-0424	
2004-01-0426	Title: Study on modelling method for common-rail diesel engine calibration and optimization

2004-01-0428	Title: Calculation for high-speed electromagnet property of electronic-controlled fuel injection system of diesel engine
2004-01-0518	Title: Smart IGBT's for advanced distributed ignition systems
2004-01-0528	Title: Analysis of initial breakup mechanism of diesel spray injected into high-pressure ambience
2004-01-0529	Title: Vaporization characteristics and liquid-phase penetration for multi-component fuels
2004-01-0530	Title: Optimization of injection rate shape using active control of fuel injection
2004-01-0532	Title: Thermal effect simulation in high-pressure injection system transient flows
2004-01-0533	Title: Modelling droplet collision with adaptive meshing and updated outcomes
2004-01-0534	Title: Modelling atomization and vaporization processes of flash-boiling spray
2004-01-0536	Title: Modelling dynamic behavior of diesel fuel injection systems
2004-01-0537	Title: Eulerian multidimensional model for computing the fuel sprays
2004-01-0552	Title: A computational investigation into the cool flame region in HCCI combustion
2004-01-0557	Title: Isolating the effects of fuel chemistry on combustion phasing in an HCCI engine and the potential of fuel stratification for ignition control
2004-01-0558	Title: Development and validation of a reduced reaction mechanism for HCCI engine simulations
2004-01-0559	Title: Optimization of a 5-step kinetic scheme for HCCI applications
2004-01-0562	Title: Development of a new multi-zone model for the description of physical processes in HCCI engines
2004-01-0563	Title: Numerical simulation of HCCI engine with multi-stage gasoline direct injection using 3D-CFD with detailed chemistry
2004-01-0564	Title: Location of the first autoignition sites for two HCCI systems in a direct injection engine
2004-01-0573	Title: A comparative assessment of alternative powertrains and body-in-white materials for advanced technology vehicles
2004-01-0581	Title: Development of a diesel passenger car meeting Tier 2 emissions levels
2004-01-0601	Title: New approaches in the hypersonic flame spray coating for cylinder liners in aluminum crankcases
2004-01-0607	Title: Valve train design for a new gas exchange process
2004-01-0611	Title: Prediction of camshaft torque and timing chain load for turbo direct injection diesel engine
2004-01-0631	Title: Implementation of a non-local critical-plane fatigue analysis program with applications to cylinder heads and blocks
2004-01-0638	Title: Numerical and experimental investigations of a disc stack centrifuge used as an oil mist separator for automotive applications
2004-01-0644	Title: Research and development program of the next-generation environmentally friendly vehicles (EFVs) in Japan
2004-01-0646	Title: Emissions prediction of CNG/diesel dual fuel engine based on RBF neural network

2004-01-0654	Title: Progress toward a magnesium-intensive engine: The USAMP Magnesium Powertrain Cast Components Project
2004-01-0655	Title: Powertrain components—Opportunities for the die cast AE family of alloys
2004-01-0656	Title: High-temperature Mg alloys for sand and permanent mold casting applications
2004-01-0680	Title: Diagnostic assistant based on graphical probabilistic models
2004-01-0894	Title: Caterpillar automatic code generation
2004-01-0899	Title: Application of alternative EGR and VGT strategies to a diesel engine
2004-01-0900	Title: Integration of a common-rail diesel engine model into an industrial engine software development process
2004-01-0921	Title: Multizone combustion model for a four-stroke direct injection diesel engine
	Title: Validation of a newly developed quasi-dimensional combustion model—Application on a heavy-duty DI diesel engine
2004-01-0923	
2004-01-0924	Title: An empirical, mixing-limited, zero-dimensional model for diesel combustion
2004-01-0925	Title: The effect of friction modelling on the prediction of turbocharged diesel engine transient operation
	Title: The effect of various dynamic, thermodynamic and design parameters on the performance of a turbocharged diesel engine operating under transient load conditions
2004-01-0926	
2004-01-0928	Title: Coupled 1-D/3-D analysis of fuel injection and diesel engine combustion
2004-01-0929	Title: Computational study of diesel engine downsizing using two-stage turbocharging
2004-01-0930	Title: A methodology for indirect determination of diesel fuel laminar flame speed
2004-01-0931	Title: Effect of smoothing the pressure trace on the interpretation of experimental data for combustion in diesel engines
2004-01-0932	Title: A preliminary study of ignition consistency and heat release analysis for a common-rail diesel engine
2004-01-0933	Title: An HCCI engine: Power plant for a hybrid vehicle
2004-01-0934	Title: Multiple point ion current diagnostics in an HCCI engine
2004-01-0935	Title: HCCI operation of a passenger car common-rail DI diesel engine with early injection of conventional diesel fuel
2004-01-0936	Title: Adaption of injection system parameters to homogeneous diesel combustion
2004-01-0937	Title: Laser-stimulated ignition in a homogeneous charge compression ignition engine
2004-01-0938	Title: Combustion control using two-stage diesel fuel injection in a single-cylinder PCCI engine
2004-01-0940	Title: Boosting for high load HCCI
2004-01-0941	Title: Cycle-to-cycle control of a dual-fuel HCCI engine
2004-01-0943	Title: HCCI closed-loop combustion control using fast thermal management
2004-01-0944	Title: The effect of intake temperature on HCCI operation using negative valve overlap

2004-01-0945	Title: Effects of heterogeneous EGR on the natural gas-fueled HCCI engine using experiments, CFD and detailed kinetics
2004-01-1292	Title: Technical advantages of urea SCR for light-duty and heavy-duty diesel vehicle applications
2004-01-1312	Title: The Hino E13C: A heavy-duty diesel engine developed for extremely low emissions and superior fuel economy
2004-01-1313	Title: Integrated internal EGR and compression braking system for Hino's E13C engine
2004-01-1314	Title: Hino J-series diesel engines developed for the U.S. 2004 regulations with superior fuel economy
2004-01-1316	Title: Development of new 2.2-liter turbocharged diesel engine for the EURO-IV standards
2004-01-1317	Title: Upgrade design of the Yuchai F-6113 HD-DI diesel engine
2004-01-1318	Title: Theoretical study on tolerance of fuel injection system of diesel engine
2004-01-1359	Title: Turbocharging technologies to meet critical performance demands of ultra-low emissions diesel engines
2004-01-1361	Title: Revolution control for diesel engines by neural networks
2004-01-1367	Title: Low-cost virtual pressure sensor
2004-01-1370	Title: Observer design for torque balancing on a DI engine
2004-01-1371	Title: Embedded torque estimator for diesel engine control application
2004-01-1387	Title: Electromagnetic valve actuator for automobile engines
2004-01-1402	Title: Diesel combustion optimization at full load by combined CFD and single cylinder tests
2004-01-1404	Title: Combustion development of the new International®6.0L V8 diesel engine
2004-01-1405	Title: Some considerations on the estimation of the heat release of DI diesel engines using modelling techniques
2004-01-1406	Title: Impulse charging for diesel engines: Improved performance characteristic and inside-engine measures to meet future emission legislation
2004-01-1407	Title: Performance and combustion characteristics of a glow-ignition, two-stroke engine
2004-01-1410	Title: Airflow cyclic variations analysis in diesel combustion chamber by PIV measurements
2004-01-1419	Title: Comparative analysis of different heavy-duty diesel oxidation catalysts configurations
2004-01-1446	Title: Development of a highly efficient and reliable multi-tube EGR cooler
2004-01-1447	Title: Development of a high-strength aluminum cylinder block for diesel engine employing a new production process
2004-01-1448	Title: Silicon nitride applications in modern diesel engines
2004-01-1450	Title: A study on rolling contact fatigue of silicon nitride ceramics roller of supply pump for diesel injection system
2004-01-1451	Title: Solving the filtration challenges for diesel fuel
2004-01-1452	Title: Passenger vehicle diesel engines for the U.S.

2004-01-1453	Title: The status of experimental investigations on low heat rejection engines
2004-01-1479	Title: Modelling stationary power for heavy-duty trucks: Engine idling versus fuel cell APUs
2004-01-1491	Title: New FeCrAl alloys for diesel engine catalytic converters
2004-01-1528	Title: Deep rolling response of notched medium-carbon bar steels
2004-01-1560	Title: An optimization study of manufacturing variation effects on diesel injector design with emphasis on emissions
2004-01-1591	Title: Experimental investigation of the scavenging performance of a two-stroke, opposed-piston diesel tank engine
2004-01-1600	Title: Development of lead-free-copper-based alloy for three layers bearings under higher load engines
2004-01-1655	Title: A study on engine valve and seat insert wearing depending on speed change
2004-01-1677	Title: CNG/methane-combustion kinetics (without N ₂) and frozen equilibrium in radical-ignition reduced compression ratio D.I. diesel engines using pistons with micro-chambers
2004-01-1678	Title: The influence of swirl ratio on turbulent flow structure in a motored HSDI diesel engine—A combined experimental and numerical study
2004-01-1679	Title: Parametric study of transient turbocharged diesel engine operation from the second-law perspective
2004-01-1718	Title: Design and assessment of technical training
2004-01-1753	Title: An analysis of the federal government's role in the research and development of clean diesels in the United States
2004-01-1756	Title: Expanding the HCCI operation with the charge stratification
2004-01-1769	Title: Development process of shock waves by supersonic spray
2004-01-1776	Title: Fuel sprays for premixed compression-ignited combustion—Characteristics of impinging sprays
2004-01-1786	Title: Studying the relationship between the vibration signature and the combustion process in diesel engines
2004-01-1791	Title: Progress in the development of Tier 2 light-duty diesel vehicles
SAE Brasil International Conference on Fatigue	
2001-01-4061	Title: Fatigue assessment and reliability in automotive design
SAE Brazil '93 Mobility Technology Conference and Exhibit	
931627	Title: The use of direct method surface layer activated to measure wear in diesel engine
931671	Title: Improvement of cylinder liner materials wear resistance.
SAE Brazil 94	
942392	Title: Application of a piston ring dynamics simulation code to solve blow-by fluctuation of a heavy-duty diesel engine in transient load operation
942393	Title: Nitrited gray cast iron piston rings

942398	Title: Diesel engine valve spring—A design optimization
SAE Brazil 95	
952249	Title: Nitrided piston ring pack for diesel engines
952291	Title: Low cost Euro II engines conception MWM 43.10 TCA as an example
	Title: Development and refinement of a new engine family to achieve future noise legislation and acoustic driving comfort requirements
952292	
952304	Title: Computational model for simulation of processes in diesel engines
SAE Brazil 96 V International Mobility Technology Conference and Exhibit	
962369	Title: Fuel injection technology for low emissions HSDI diesel engines
962377	Title: Development of a nitrided ring pack for medium- and heavy-duty diesel engines
SAE Earthmoving Industry Conference and Exposition	
	Title: Computational fluid dynamic (CFD) analysis of a six cylinder diesel engine cooling system with experimental correlations
941081	
941083	Title: A CFD study of squeeze film
941096	Title: Computer-aided process development and die design for manufacturing a fuel injector nozzle
951200	Title: Diesel engine model development and experiments
SAE Future Transportation Technology Conference and Exposition	
1999-01-2888	Title: The two-stroke rotary diesel engine
1999-01-2889	Title: Development of new swirl system and its effect on DI diesel engine economy
1999-01-2890	Title: Near-zero NOx control for diesel aftertreatment
1999-01-2924	Title: The QuadCAT™ four-way catalytic converter: An integrated aftertreatment system for diesel engines
1999-01-2926	Title: Multizone model for DI diesel engine combustion and emissions
2000-01-3070	Title: A dual-cycle reciprocating engine
2000-01-3084	Title: Simultaneous reduction of NOx and particulate emissions by using multiple injections in a small diesel engine
2000-01-3085	Title: Optimization of engines—Preparation of engine for diesel electronic injection control
2001-01-2485	Title: A new concept of supercharging applied to high-speed DI diesel engines
2001-01-2490	Title: Diesel spray measuring device
2001-01-2511	Title: Current research in HCCI combustion at UC Berkeley and LLNL
2001-01-2512	Title: Integration of 3D-CFD and engine cycle simulations: Application to an intake plenum
2001-01-2536	Title: The new PNGV system analysis toolkit PSAT V4.1—Evolution and improvement
2001-01-2538	Title: Honda Insight validation using PSAT
911651	Title: Modern Mercedes-Benz commercial vehicle engines for the U.S. and Mexican markets

921553	Title: Intensifier-injector for natural gas fueling of diesel engines
921555	Title: Visualization of natural gas injection for a compression ignition engine
921605	Title: Cold start improvement by use of latent heat stores
961671	Title: Directly injected natural gas fueling of diesel engines
961677	Title: Progress in the development of the regenerated diesel engine
961714	Title: Optimization of the air/fuel ratio for improved engine performance and reduced emissions
972680	Title: A small-displacement DI diesel engine concept for high fuel economy vehicles
972681	Title: Mixture formation and combustion in the DI diesel engine
972682	Title: A view of the future of automotive diesel engines
972683	Title: Diesel engines: one option to power future personal transportation vehicles
972684	Title: Why do we need the diesel?
972685	Title: Development of diesel combustion for commercial vehicles
972686	Title: Realizing future trends in diesel engine development
972687	Title: Technical and synergistic approaches towards the twenty-first century diesel engine
972688	Title: Current and advanced design concepts for high-power-density, mid-range truck diesel engines—Part I: technology review
972689	Title: Current and advanced design concepts for high power-density, mid-range truck diesel engines—Part II: the development of advanced design process for combustion system optimization
981914	Title: A systems-level optimization strategy for diesel engines
981915	Title: Cranktrain design for Ford's HEV DI diesel engine
981929	Title: Effects of fuel injection rate on combustion and emission in a DI diesel engine
981930	Title: An evaluation of common rail, hydraulically intensified diesel fuel injection system concepts and rate shapes
981931	Title: Combustion features and emissions of a DI diesel engine with air path optimization and common rail fuel injection
981933	Title: A new concept for low-emission diesel combustion (2nd report: reduction of HC and CO emission, and improvement of fuel consumption by EGR and MTBE blended fuel)
981950	Title: The new diesel engine in the New Beetle
SAE Government Industry Meeting and Exposition	
1999-01-2235	Title: Overview of the DOE heavy vehicle technologies R&D program
1999-01-2246	Title: Overview of engine combustion research at Sandia National Laboratories
1999-01-2251	Title: On-road use of Fischer-Tropsch diesel blends
1999-01-2254	Title: Heavy vehicle propulsion materials program
1999-01-2255	Title: Thermal barrier coatings for low emission, high efficiency diesel engine applications

2000-01-2196	Title: Cummins light truck diesel engine progress report
2000-01-2197	Title: The Detroit Diesel DELTA engine for light trucks & SUV's year 2000 update
2000-01-2198	Title: Emission control research to enable fuel efficiency: department of energy heavy vehicle technologies
2000-01-2199	Title: Review of heavy-duty engine combustion research at Sandia National Laboratories
2000-01-2200	Title: Heavy vehicle propulsion materials program: progress and highlights
2000-01-2207	Title: Heat exchangers for heavy vehicles utilizing high thermal conductivity graphite foams
2001-01-2060	Title: Update on engine combustion research at Sandia National Laboratories
2001-01-2061	Title: Heavy vehicle propulsion materials: recent progress and future plans
2001-01-2062	Title: The Detroit Diesel DELTA engine—Recent technological achievements
2001-01-2065	Title: Cummins light truck diesel engine progress report
2001-01-2077	Title: HCCI combustion: analysis and experiments
SAE International Alternative Fuels Conference and Exposition	
952741	Title: Development of a bolt-on natural gas conversion kit for the 6V-71 two stroke diesel engine
952757	Title: Biodiesel testing in two on-road pickups
952758	Title: Autoignition of biodiesel, methanol, and a 50:50 blend in a simulated diesel engine environment
SAE International Congress and Exposition	
1999-01-0128	Title: Consideration of fluid velocity effects in the design and development of aluminum cooling system components for heavy duty diesel engines
1999-01-0181	Title: An experimental study of premixed lean diesel combustion process
1999-01-0182	Title: Homogeneous charge compression ignition with water injection
1999-01-0183	Title: Approaches to solve problems of the premixed lean diesel combustion
1999-01-0184	Title: Search for optimizing control method of homogeneous charge diesel combustion
1999-01-0185	Title: Trial of new concept diesel combustion system—Premixed compression-ignition combustion
1999-01-0186	Title: Rate of heat release prediction for direct injection diesel engines based on purely mixing controlled combustion
1999-01-0187	Title: Calculation of heat release in direct injection diesel engines
1999-01-0188	Title: Effect of exhaust blowdown period on pumping losses in a turbocharged direct injection diesel engine
1999-01-0190	Title: The experiment on starting knock of R4102 D.I. diesel engine and strength check of parts
1999-01-0191	Title: Common rail system (CR-system) for passenger car DI diesel engines—Experiences with applications for series production projects
1999-01-0192	Title: Evaluation of instability phenomena in a common rail injection system for high speed diesel engines

1999-01-0193	Title: Influence of injection pressure on the performance of a DI diesel engine with a common rail fuel injection system
1999-01-0194	Title: Effect of the injection parameters of a common rail injection system on diesel combustion through thermodynamic diagnosis
1999-01-0196	Title: Application of digital valve technology to diesel fuel injection
1999-01-0197	Title: An experimental investigation on determining diesel injector flow and transient characteristics using high response pressure measurements
1999-01-0199	Title: Experimental and theoretical analysis of a diesel fuel injection system
1999-01-0200	Title: The influence of injection parameters on diesel spray characteristics
1999-01-0201	Title: Injection rate control in electronic in-line pump-valve-pipe- injector diesel injection system
1999-01-0210	Title: Design of the dynamic properties of the high pressure fuel pump rod position drive
1999-01-0214	Title: Effects of pulsating flow on exhaust port flow coefficients
1999-01-0224	Title: Effect of Sauter mean diameter on the combustion related parameters in a large-bore marine diesel engine
1999-01-0225	Title: A model for load transients of turbocharged diesel engines
1999-01-0226	Title: Modeling the diesel fuel spray breakup by using a hybrid model
1999-01-0228	Title: Simulation of combustion in direct-injection low swirl heavy- duty type diesel engines
1999-01-0230	Title: A CFD study of losses in a straight-six diesel engine
1999-01-0232	Title: An approach for estimation of ignition delay in a dual fuel engine
1999-01-0235	Title: First-time use of aluminum for engine oil coolers in heavy commercial vehicles
1999-01-0285	Title: The elastohydrodynamic solution of connecting-rod bearing under complex loading
1999-01-0507	Title: The method of measuring air-fuel ratio by radical luminescence in high combustion pressure
1999-01-0509	Title: Diesel combustion: An integrated view combining laser diagnostics, chemical kinetics, and empirical validation
1999-01-0511	Title: Conditions in which vaporizing fuel drops reach a critical state in a diesel engine
1999-01-0513	Title: Jet-jet and jet-wall interactions of transient jets from multi-hole injectors
1999-01-0516	Title: Visual thermodynamics: Processes in log(p)-log(T)space
1999-01-0517	Title: Potential for closed-loop, air-fuel ratio management of a diesel engine
1999-01-0518	Title: Cavitation in two-dimensional asymmetric nozzles
1999-01-0524	Title: Investigation of cavitation in a vertical multi-hole injector
1999-01-0549	Title: Closed-loop start of combustion control utilizing ionization sensing in a diesel engine
1999-01-0559	Title: A turbocharger selection computer model
1999-01-0614	Title: Speed and power regressions for quality control of heavy-duty vehicle chassis dynamometer research

1999-01-0619	Title: A numerical study of a free piston IC engine operating on homogeneous charge compression ignition combustion
1999-01-0621	Title: A new firing concept for internal combustion engines: "I'APIR"
1999-01-0823	Title: A new approach to assess the accuracy of service timing devices for injection pumps of diesel engines
1999-01-0826	Title: Development of piston pin bushing material for high- performance engine
1999-01-0828	Title: A study on the structural design and reliability of cylinder head for vehicle engines
1999-01-0829	Title: Dynamic behavior of a high-speed, direct-injection diesel engine
1999-01-0830	Title: Development of low-fuel-consumption, high-durability, and low-emissions J-series engines
1999-01-0832	Title: Application of an active control mount (ACM) for improved diesel engine vehicle quietness
1999-01-0833	Title: Development of the new K13C engine with common-rail fuel injection system
1999-01-0837	Title: Efficient EGR technology for future HD diesel engine emission targets
1999-01-0840	Title: the influence of boost pressure on emissions and fuel consumption of a heavy-duty, single-cylinder D.I. diesel engine
1999-01-0862	Title: A real-time model of a common-rail diesel engine
1999-01-0906	Title: Cylinder-by-cylinder engine models versus mean value engine models for use in powertrain control applications
1999-01-0910	Title: Modeling of advanced high-pressure fuel injection systems for passenger car diesel engines
1999-01-0911	Title: A virtual liquid source (VLS) model for vaporizing diesel sprays
1999-01-0912	Title: Modeling the effects of injector nozzle geometry on diesel sprays
1999-01-0913	Title: A model of atomization of a transient evaporative spray
1999-01-0914	Title: Delivery-valve effects on the performance of an automotive diesel fuel-injection system
1999-01-0915	Title: Computational model for simulation of diesel injection systems
1999-01-0916	Title: A multi-zone model for diesel spray combustion
1999-01-0971	Title: Reduction of hybrid diesel engine emission by EGR (an only possible method to meet U.S. emission standard of the year 2004)
1999-01-0972	Title: Injection characteristics that improve performance of ceramic-coated diesel engines
1999-01-0974	Title: A simplified friction model of the piston ring assembly
1999-01-0976	Title: Using dynamic modular diesel engine models to understand system interactions and performance
1999-01-1077	Title: Statistical methods for solving the fuel consumption/emission conflict on DI diesel engines
1999-01-1108	Title: Diagnostics for the study of cold-start mixture preparation in a port fuel-injected engine
1999-01-1112	Title: Two-color combustion visualization of single and split injections in a single-cylinder, heavy-duty D.I. diesel engine using an endoscope-based imaging system
1999-01-1116	Title: NO emission characteristics of a CI engine fueled with neat dimethyl ether

1999-01-1141	Title: Study of particle size distributions emitted by a diesel engine
1999-01-1163	Title: Diesel engine exhaust emissions modeling using artificial neural networks
1999-01-1175	Title: Scaling aspects of the characteristic time combustion model in the simulation of diesel engines
1999-01-1176	Title: Turbulent self-ignition and combustion modeling in diesel engines
1999-01-1177	Title: Studying the roles of kinetics and turbulence in the simulation of diesel combustion by means of an extended characteristic time model
1999-01-1180	Title: Effects of initial conditions in multidimensional combustion simulations of HSDI diesel engines
1999-01-1182	Title: Application of computational mesh optimization techniques to heavy-duty diesel intake port modeling
1999-01-1216	Title: Investigation of wear mechanisms occurring in passenger car diesel engine inlet valves and seat inserts
1999-01-1218	Title: Diesel lube oil conditioning—The systems approach
1999-01-1240	Title: An innovative glow system for modern diesel engines
1999-01-1241	Title: Transient investigation of two variable geometry turbochargers for passenger vehicle diesel engines
1999-01-1242	Title: Development of VFT (variable flow turbocharger)
1999-01-1244	Title: Cold-start equipment for diesel direct-injection engines
1999-01-1249	Title: Research on the practical application of 1-liter, semi-DI, 2- stroke diesel engine to compact cars
1999-01-1316	Title: Effects of oil groove locations on the performance of the big end bearing of a medium-speed diesel engine
900011	Title: Structure vibration excitation by timing gear impacts
900012	Title: Investigation in the noise from main running gear, timing gears and injection pump of DI diesel engines
900014	Title: Analysis of noise sources and their transfer paths in diesel engines
900057	Title: The effect of intake duct length on the in-cylinder air motion in a motored diesel engine
900061	Title: Measurement of turbulent flow in the combustion chamber of a D.I. diesel engine
900107	Title: Trapping performance of diesel particulate filter
900124	Title: Development of new aluminum-zinc-silicon bearings for heavy load applications in uprated engines
900132	Title: Damage accumulation during high temperature testing of a squeeze formed aluminum piston alloy
900133	Title: Diesel engine cylinder head design—The compromises and the techniques
900134	Title: An analytical technique for assessing cylinder liner cavitation erosion
900169	Title: Optimization of diesel engine test deployment via statistical methods
900175	Title: The flexible diesel engine
900235	Title: Modeling, identification, and torque control of a diesel engine for transient test cycles

900236	Title: The transient performance analysis of a turbocharged vehicle diesel engine with electronic fuelling control
900253	Title: In-cylinder flow and combustion modeling of 1.7L Caterpillar engine
900254	Title: Three dimensional modeling of combustion and soot formation in an indirect injection diesel engine
900337	Title: Radial lip crankshaft seals for heavy-duty diesel engines
900344	Title: A new look at oxygen enrichment—The diesel engine
900349	Title: Modulation of injection rate to improve direct injection diesel engine noise
900394	Title: A methodology for inhibiting the formation of pollutants in diesel engines
900396	Title: A study of non-swirling and swirling flow fields and their effects on spray and combustion in an optically-accessible, DI diesel engine
900397	Title: Droplet sizes and velocities in a transient diesel fuel spray
900398	Title: Effects of auxiliary injection on diesel engine combustion
900399	Title: Combustion of minimally processed coal liquids in a diesel engine
900402	Title: Ceramic piston-cup—Design and testing
900403	Title: Ceramic tappets cast in aluminum alloy for diesel engines
900433	Title: A new antifreeze coolant for heavy-duty diesel engines
900435	Title: Analysis of coolants from diesel engines
900436	Title: Effect of nitrate concentration on passivation of aluminum alloys in commercial coolants for heavy duty diesel engines
900437	Title: Cavitation damage of diesel engine wet-cylinder liners
900440	Title: Combustion chamber shape and pressurized injection in high-speed direct-injection diesel engines
900441	Title: Diesel cold starting—Actual cycle analysis under border-line conditions
900442	Title: New strategy on diesel combustion development
900444	Title: An EGR control method for heavy-duty diesel engines under transient operations
900446	Title: Universal mixing correlations for the performance and emission of open chamber diesel combustion supported by air swirl
900447	Title: Similarity law of entrainment into diesel spray and steady spray
900453	Title: Nickel coated pistons for improved durability in knock control engines
900455	Title: On the thermal fields of I.C.E. cylinder liners
900475	Title: Structures of fuel sprays in diesel engines
900480	Title: Transient characteristics of multi-hole diesel sprays
900536	Title: An investigation of structural effects of fiber matrix reinforcement in aluminum diesel pistons
900591	Title: Diesel engine emissions reduction—The benefits of low oil consumption design

900600	Title: The effects of flow-through type oxidation catalysts on the particulate reduction of 1990s diesel engines
900601	Title: Development of a self-cleaning particle trap for diesel engine particulate control
900618	Title: Some analytical investigations on a four stroke diesel engine for high specific output and low heat rejection
900637	Title: NOx reduction by injection control
900638	Title: Reduction of diesel exhaust smoke by air-mixed fuel injection
900639	Title: Injection rate shaping and high speed combustion analysis—New tools for diesel engine combustion development
900640	Title: Analysis of diesel soot formation under varied ignition lag with a laser light extinction method
900645	Title: Particulate emissions from diesel engines—Influence of in-cylinder surface
900648	Title: The new Audi five-cylinder turbo diesel engine—The first passenger car diesel engine with second generation direct injection
900657	Title: Mathematical modeling of the semi-permanent mould casting of aluminum alloy cylinder heads and engine blocks
900658	Title: Development of Toyota reflex burn (TRB) system in DI diesel
900692	Title: Instantaneous heat transfer in a highly rated DI truck engine
900693	Title: Evaluation of a selectively-cooled single-cylinder 0.5-L diesel engine
900822	Title: The contribution of the fuel injection system to meeting future demands on truck diesel engines
900854	Title: Injection timing and rate control—A solution for low emissions
910076	Title: Multizone modeling of a fumigated diesel engine
910130	Title: Diesel particulate control around the world
910132	Title: Status of particulate trap system for a heavy duty diesel truck
910136	Title: Electric heating regeneration of large wall-flow type DPF
910137	Title: A trap oxidizer system for the turbocharged diesel engine
910177	Title: Flow and combustion in a hydra direct-injection diesel engine
910178	Title: LDV characterization of air entrainment in transient diesel sprays
910180	Title: A study of diesel cold starting using both cycle analysis and multidimensional calculations
910181	Title: The propagation of fuel sprays in a research diesel engine—A joint numerical and experimental analysis
910182	Title: Advanced in-line pump for medium-duty diesel engines to meet future emissions regulations
910183	Title: Fuel injectors in diesels with large needle-barrel clearance
910184	Title: Application of a high flexible electronic injection system to a heavy duty diesel engine
910223	Title: 2-D soot visualization in unsteady spray flame by means of laser sheet scattering technique

910224	Title: Soot distribution in a DI diesel engine using 2-D laser-induced incandescence imaging
910225	Title: Fast burning and reduced soot formation via ultra-high pressure diesel fuel injection
910226	Title: Characteristics of diesel spray with unsteady and higher injection pressure using a rapid compression machine
910228	Title: The IDI diesel engine and its combustion noise variations
910229	Title: Performance and fuel consumption of a single-cylinder, direct-injection diesel engine using a platinum fuel additive
910230	Title: Soot formation oxidation and its mechanism in different combustion systems and smoke emission pattern in DI diesel engines
910252	Title: Development of new electronically controlled fuel injection system ECD-U2 for diesel engines
910263	Title: Numerical simulation of swirling port-valve-cylinder flow in diesel engines
910297	Title: The influence of soot deposits on combustion chamber walls on heat losses in diesel engines
910300	Title: Coolant flow in the cylinder head/block of the Ford 2.5L DI diesel engine
910329	Title: Further studies of electrostatic collection and agglomeration of diesel particles
910333	Title: Evaluation of a self-cleaning particulate control system for diesel engines
910420	Title: An intake charge cooling system for application to diesel, gasoline and natural gas engines
910422	Title: Development of the Mitsubishi TF07 model turbocharger for 1994 U.S. and 1993 European diesel emission standards
910453	Title: Parametric investigation of variable valve timing applied to a turbocharged diesel engine
910459	Title: A computational study of wall temperature effects on engine heat transfer
910460	Title: The effects of ceramic coatings on diesel engine performance and exhaust emissions
910461	Title: Performance of thin thermal barrier coating on small aluminum block diesel engine
910481	Title: Improvement of combustion system of a small D.I. diesel engine for low exhaust emissions
910482	Title: Application of heavy duty diesel engine to future emission standards
910484	Title: The development of a novel variable compression ratio, direct injection diesel engine
910485	Title: A study on shallow W-type combustion system for high-speed diesel engine
910487	Title: The survivability of diesel fuel components in the organic fraction of particulate emissions from an IDI diesel
910488	Title: A study of particulate formation on the combustion chamber wall
910489	Title: The effect of injection parameters and swirl on diesel combustion with high pressure fuel injection
910562	Title: Simultaneous removal of NO _x , SO _x and soot in diesel engine exhaust by plasma/oil dynamics means
910604	Title: Engine and catalyst strategies for 1994
910628	Title: Isuzu new H-series diesel engines
910629	Title: Development of a new Lombardini prechamber diesel engine family

910630	Title: The development of high-performance viscous-rubber damper for higher boost turbocharged and charge-cooled diesel engine
910631	Title: A numerical simulation method for vibration stress waveforms of high-speed diesel engine crankshaft system
910663	Title: Two-stroke engine technology in the 1990's
910725	Title: Particle sizing using a two-dimensional image
910726	Title: Planar liquid and gas fuel and droplet size visualization in a DI diesel engine
910727	Title: Optical diagnostic for diesel-sprays with ms-time resolution
910728	Title: Measurement of soot and flame temperature along three directions in the cylinder of a direct injection diesel
910731	Title: The low NOx truck engine
910733	Title: A comparison of the particulate composition between turbocharged and naturally aspirated DI diesel engines
910736	Title: A new approach of the two-color method for determining local instantaneous soot concentration and temperature in a D.I. diesel combustion chamber
910739	Title: Effects of EGR with a supplemental manifold water injection to control exhaust emissions from heavy-duty diesel powered vehicles
910740	Title: Effects of cooling water temperature on particulate emissions from a small high speed DI diesel engine
910833	Title: Factors affecting the fatigue performance of metal matrix composites for diesel pistons
910848	Title: Performance, exhaust emissions and durability of modern diesel engines running on rapeseed oil
910885	Title: The combustion variation characteristics of the pre-combustion chamber type compression ignition engine
910890	Title: Anti-seizure properties of bearing in heavy-duty diesel engines
920084	Title: Composite V-6 diesel engine concept
920085	Title: New Mitsubishi V8 20 liter diesel engine
920086	Title: The new Mercedes-Benz engine brake with decompression valve
920087	Title: Crankshaft durability prediction a new 3-D approach
920089	Title: Relationship between oil consumption, deposit formation and piston ring motion for single-cylinder diesel engines
920090	Title: An investigation on droplet size distribution and evaporation of diesel fuel sprays at high injection pressure by using laser diagnostic technique
920107	Title: A study of the structure of diesel sprays using 2-D imaging techniques
920108	Title: A study of the autoignition process of a diesel spray via high speed visualization

920110	Title: The effect of fuel aromatic structure and content on direct injection diesel engine particulates
920111	Title: Oxidation of soot agglomerates in a direct injection diesel engine
920112	Title: Mean coefficients of radiation in sooty media in light of the Lorenz-Mie and Lorentz-Drude theories
920113	Title: Particulate measurement by simultaneous polychromatic scattering and extinction coefficients
920114	Title: A study on soot formation in unsteady spray flames via 2-D soot imaging
920115	Title: Soot distribution in a D.I. diesel engine using 2-D imaging of laser-induced incandescence, elastic scattering, and flame luminosity
920116	Title: Investigation of the effects of engine design parameters on diesel combustion and emissions using Taguchi methods
920142	Title: Selection and development of a particulate trap system for a light duty diesel engine
920143	Title: Thermal durability of a ceramic wall-flow diesel filter for light duty vehicles
920144	Title: Improvement of pore size distribution of wall flow type diesel particulate filter
920145	Title: Design considerations for diesel flow-through converters
920153	Title: Time-frequency spectral structure of turbulence in an automotive engine
920185	Title: Emissions measurements in a steady combustng spray simulating the diesel combustion chamber
920192	Title: Modeling of the natural gas injection process in a two-stroke diesel engine
920219	Title: Isostatic dry bag compacted powder metallurgical cylinder liner, applications and properties
920240	Title: Modelling of the dynamic processes in an electronic diesel fuel injection system
920254	Title: Dynamic engine testing
920362	Title: Catalytic activity in the regeneration of the ceramic diesel particulate trap
920364	Title: Diesel particulate filter system for a 6V-92TA engine in a neoplan bus
920365	Title: New filtration systems for the control of exhaust emissions from light-duty diesel engines
920367	Title: The role of the through flow oxidation catalyst in the development of a low emissions specification HD diesel engine
920428	Title: Step response of engine torque and speed to load change in small two-stroke cycle diesel engines
920456	Title: Fatigue behavior of squeeze cast metal matrix composites for diesel pistons
920460	Title: The shock wave generation around the diesel fuel spray with high pressure injection
920461	Title: NOx reduction from diesel combustion using pilot injection with high pressure fuel injection
920462	Title: A DI diesel combustion and emission predictive capability for use in cycle simulation
920463	Title: Determination of engine cylinder pressures from crankshaft speed fluctuations
920464	Title: Reduction of NOx, smoke, BSFC, and maximum combustion pressure by low compression ratios in a diesel engine fuelled by emulsified fuel
920465	Title: Combustion similarity for different size diesel engines: theoretical prediction and experimental results

920469	Title: Catalytic engine NOx reduction of diesel engines with new concept onboard ammonia synthesis system
920470	Title: NOx reduction strategies for DI diesel engines
920541	Title: Heat rejection from high output adiabatic diesel engine
920542	Title: A diagnostic quasi-dimensional model of heat transfer applied to a motored compression-ignition engine
920543	Title: Effects of combustion chamber insulation on the heat rejection and thermal efficiency of diesel engines
920544	Title: Thermomechanical analysis of a low heat rejection cylinder head
920545	Title: Spark assisted diesel operation in a low compression ratio low heat rejection engine
920567	Title: Development of a new diesel particulate control system with wall- flow filters and reverse cleaning regeneration
920576	Title: Experimental and numerical analysis of a diesel spray
920577	Title: Diesel spray structure investigation by laser diffraction and sheet illumination
920578	Title: Visualization of evaporative diesel spray impinging upon wall surface by exciplex fluorescence method
920579	Title: Modeling diesel engine spray vaporization and combustion
920591	Title: Integrated diesel European action (IDEA): study of diesel combustion
920622	Title: Contribution of fuel flow improvement in nozzle to spray formation
920623	Title: Effects of different injector hole shapes on diesel sprays
920624	Title: A practical calculation method for injection pressure and spray penetration in diesel engines
920625	Title: Study on DI diesel engine with an impinging nozzle head—An effect of shape of impinging nozzle head (NICS)
920626	Title: Direct digital control of the diesel fuel injection process
920628	Title: Hydraulic unit injector for passenger car DI-diesel engines
920630	Title: A study on precise measurement of diesel fuel injection rate
920688	Title: Effects of in-cylinder catalysts on combustion and emissions of a D.I. diesel engine fueled on neat methanol
920689	Title: The dependence of carbon/hydrogen ratio on soot particle size
920690	Title: Dual-fuel diesel engine using butane
920692	Title: Measurement of flame temperature distribution in D.I. diesel engine with high pressure fuel injection
920693	Title: Stochastic model for diesel combustion considering some turbulent mixing zones
920694	Title: Premix film type compression ignition combustion

920695	Title: Factors that affect NOx and particulates in diesel engine exhaust—Part II
920696	Title: Characteristics of combustion in an IDI diesel engine with a swirl chamber made of ceramics
920697	Title: Combustion in a small DI diesel engine at starting
920725	Title: Exhaust-gas recirculation—A measure to reduce exhaust emissions of DI diesel engines
920839	Title: Spray visualization in a partially insulated combustion chamber and performance of a low heat rejection diesel engine
930017	Title: Optimizing lubricating oil filtration systems for diesel engines
930069	Title: Intake and cylinder flow modeling with a dual-valve port
930071	Title: Results of a quasi-steady evaporation model applied to multi-dimensional D.I. diesel combustion simulation
930072	Title: Modeling the effects of drop drag and breakup on fuel sprays
930073	Title: Multidimensional fluid flow calculations in diesel engine exhaust valve- port geometries
930074	Title: Diesel engine combustion modeling using the coherent flame model in Kiva-II
930075	Title: Numerical simulation of soot formation and oxidation in diesel engines
930158	Title: The role of diesel ceramic coatings in reducing automotive emissions and improving combustion efficiency
930159	Title: Compression brake master piston assembly: a cost effective use of a structural ceramic to reduce sliding wear in heavy duty diesel engines
930183	Title: Elevated temperature mechanical properties of squeeze cast metal matrix composites for diesel pistons
930269	Title: The new Navistar T 444E direct-injection turbocharged diesel engine
930270	Title: HEUI—A new direction for diesel engine fuel systems
930271	Title: Development of the HEUI fuel system—Integration of design, simulation, test, and manufacturing
930273	Title: Piston design for the nineties
930276	Title: Articulated piston cooling optimization
930480	Title: Intake valve flow measurements of an IC engine using particle image velocimetry
930581	Title: A system approach for the assessment of cavitation corrosion damage of cylinder liners in internal combustion engines
930582	Title: A technique for the analysis of cylinder liner vibrations and cavitation
930592	Title: Performance and emissions trade-offs for a HSDI diesel engine—An optimization study
930593	Title: Effect of nozzle configuration on characteristics of steady-stage diesel spray
930594	Title: An analysis of the combustion of a DI diesel engine by photography processing
930595	Title: DI diesel engine in-cylinder pressure data analysis under TDC setting error

930597	Title: Computational and experimental investigation in induction gas dynamics of a small two-cylinder diesel engine
930598	Title: Experimental study on characteristics of conical spray and combustion for medium speed DI diesel engine
930599	Title: A high-pressure diesel fuel injection system using spool acceleration and oil hammering
930600	Title: Diesel combustion and transient emissions optimization using Taguchi methods
930601	Title: Combined effects of EGR and supercharging on diesel combustion and emissions
930602	Title: Measurement of cyclic variability in a diesel engine using a single cycle sampler
930603	Title: Surrounding gas effects on soot formation and extinction—Observation of diesel spray combustion using a rapid compression machine
930604	Title: Fuel spray—Air motion interaction in DI diesel engines: a review
930605	Title: Evaluation of combustion parameters in direct injection diesel engines—An easy and reliable methods
930606	Title: The investigation of calculation methods for optimization of the performance of the diesel engine
930607	Title: The study of a turbulence-film type direct injection combustion system in a diesel engine
930611	Title: Investigation of the engine pressure data by comparing the experimental test with the results of analytical model
930687	Title: Diesel engine piston scuffing: a preliminary investigation
930716	Title: Some effects of liner finish on diesel engine operating characteristics
930718	Title: New 12L 6WA1TC turbocharged diesel engine
930719	Title: Metallurgical stability of articulated piston under severe engine operating condition
930720	Title: The progress of IDI diesel engine for passenger car
930759	Title: Prediction and measurement of combustion limit of gaseous fuel mixed with air in intake pipe of diesel engines
930792	Title: Experimental and numerical investigation of inter-ring gas pressures and blowby in a diesel engine
930823	Title: A hydraulic tappet with variable timing properties
930824	Title: Design and analysis of a roller follower variable valve timing system
930862	Title: Diesel spray combustion—An optical imaging analysis
930863	Title: Simultaneous concentration measurement of vapor and liquid in an evaporating diesel spray
930864	Title: The effect of split injection on fuel distribution in an engine-fed combustion chamber
930869	Title: Application of schlieren optical techniques for the measurement of gas temperature and turbulent diffusivity in a diesel engine
930877	Title: Influencing engine design using computational fluid dynamics
930919	Title: Hydrodynamics of droplet impingement on a heated surface

930920	Title: Effect of spray-wall interaction on air entrainment in a transient diesel spray
930924	Title: Spectral characteristics of turbulent flow in a scale model of a diesel fuel injector nozzle
930925	Title: Computer simulation of the diesel fuel injection nozzle
930926	Title: Diesel spray combustion rate enhancement by increasing injection pressure
930934	Title: Combustion of soybean oil methyl ester in a direct injection diesel engine
930935	Title: Bluff-body stabilized glow plug ignition of a methanol-fueled IDI diesel engine
930969	Title: First measurements of the liquid phase temperature in diesel sprays
930971	Title: Diesel engine combustion studies in a newly designed optical-access engine using high-speed visualization and 2-D laser imaging
930978	Title: Influence of swirl on high pressure injection in hydra diesel engine
930979	Title: A study of diesel flame movement by using the cross correlation method
930986	Title: Design optimization of the piston compounded adiabatic diesel engine through computer simulation
930988	Title: Combustion and performance characteristics of a low heat rejection engine
930989	Title: Experimental analysis and performance improvement of a single cylinder direct injection turbocharged low heat rejection engine
930994	Title: Effect of sulfur dioxide added to induction air on wear of diesel engine
930995	Title: Diesel engine oil consumption depending on piston ring motion and design
931020	Title: Competitive fuel economy and low emissions achieved through flexible injection control
931021	Title: Low heat rejection from high output ceramic coated diesel engine and its impact on future design
931032	Title: Mechanisms of deposit formation in internal combustion engines and heat exchangers
940130	Title: Diesel engine design for the 1990s
940188	Title: Characterization of the transient spray from a high pressure swirl injector
940190	Title: Analogy between atomization and vaporization based on the conservation of energy
940191	Title: Study on atomization and fuel drop size distribution in direct injection diesel spray
940192	Title: Spray characteristics of five-hole V.C.O. nozzles of a diesel electro-injector
940193	Title: Diesel electro-injector: a numerical simulation code
940194	Title: Recent progress in rate shaping technology for diesel in-line pumps
940196	Title: A new multi-impingement-wall head diffusion combustion system (NICS-MH) of a DI diesel engine
940199	Title: The 2&2-stroke cycle engines
940209	Title: Tractor diesel engine performance under variable loading
940267	Title: Hybrid combustion engine with premixed gasoline homogeneous charge and ignition by injected diesel fuel—Effects of pre-combustion chamber parameters

940268	Title: Hybrid combustion engine with premixed gasoline homogeneous charge and ignition by injected diesel fuel—Exhaust emission characteristics
940269	Title: Hybrid combustion engine with premixed gasoline homogeneous charge and ignition by injected diesel fuel—On-road test using a bus
940270	Title: Optical measurements of soot particle size, number density and temperature in a direct injection diesel engine as a function of speed and load
940283	Title: Particle image velocimetry measurements in the piston bowl of a DI diesel engine
940284	Title: Analysis of in-cylinder turbulent air motion dependence on engine speed
940316	Title: Airflow and thermal analysis of underhood engine enclosures
940326	Title: Combustion and emissions characteristics of minimally processed methanol in a diesel engine without ignition assist
940329	Title: Modeling diesel engine natural gas injection: injector/cylinder boundary conditions
940545	Title: Performance of HD-DI-diesel engine with addition of ethanol and rapeseed oil
940555	Title: Designing composite engine sealing components
940584	Title: Development of a fiber reinforced aluminum piston for heavy duty diesel engines
940585	Title: Design and development of the Jacobs Model 340A Engine Retarder using concurrent development
940586	Title: Benefits of new fuel injection system technology on cold startability of diesel engines—Improvements on cold startability and white smoke reduction by means of multi injection with common rail fuel system (ECD-U2)
940587	Title: New Mitsubishi 2.8L four-cylinder diesel engine
940588	Title: Development of valve seals for turbocharged compression ignition engines
940589	Title: Friction measurement in the valve train with a roller follower
940591	Title: The determination of cylinder center spacing for vehicle diesel engines
940592	Title: Optimum sealing design of cylinder head gasket for high peak pressure diesel engines
940630	Title: Modeling and experimental validation of torsional crankshaft dynamics
940667	Title: Development of OSKA-DH diesel engine using fuel jet impingement and diffusion—Investigation of mixture formation and combustion
940670	Title: Direct injection diesel engine soot modeling: formulation and results
940671	Title: A three-zone heat release model for DI diesel engines
940672	Title: Technology for low emission, combustion noise and fuel consumption on diesel engine
940673	Title: Analysis of the irreversibilities in diesel engines
940674	Title: Preinjection—A measure to optimize the emission behavior of DI-diesel engines
940675	Title: Combustion and emissions in a new concept DI stratified charge engine with two-stage fuel injection

940677	Title: Interactions and main effects with auxiliary injection a two- stroke DI diesel engine
940678	Title: Flow and heat transfer characteristics of impinging transient diesel sprays
940679	Title: Engine-based image acquisition for piloted diesel fuel spray analysis
940680	Title: A/F ratio visualization in a diesel spray
940681	Title: Spray and self-ignition visualization a DI diesel engine
	Title: Quantitative 2-D fuel vapor concentration imaging in a firing D.I. diesel engine using planar laser-induced Rayleigh scattering
940682	
940683	Title: The effects of wall temperature on flame structure during flame quenching
940697	Title: The effect of bearing stiffness on crankshaft natural frequencies
940698	Title: Parametric study of crankshaft natural frequencies
940818	Title: Modeling of corrosion of cylinder liner in diesel engines caused by sulphur in the diesel fuel
940840	Title: Application of crankcase-supercharging to a 4-stroke cycle compression ignition engine
940844	Title: An observation and analysis of the combustion under supercharging on a DI diesel engine
940845	Title: Introducing a high efficiency variable positive displacement automotive supercharger
940852	Title: Improved engine performance via use of nickel ceramic composite coatings (NCC Coat)
940898	Title: Quantitative specification of the cyclic irregularity of diesel engine flame radiation
940899	Title: Diesel combustion improvement and emissions reduction using VCO nozzles with high pressure fuel injection
940900	Title: Internal combustion engine with homogeneous and heterogeneous charge
	Title: Imaging and spatially resolved two-color temperature measurements through a coherent fiber optic: observation of auxiliary fuel injection effects on combustion in a two-stroke DI diesel
940903	
940944	Title: Formability of deep oil sump for heavy-duty truck engines using vibration damping steel sheets
940949	Title: An observation of high temperature combustion phenomenon in low-heat-rejection diesel engines
940951	Title: 100 hour endurance testing of a high output adiabatic diesel engine
941044	Title: Utilizing neat methanol and glow plug ignition in DI diesels: laboratory testing of a single and multi-cylinder engine
950053	Title: The effects of rapeseed oil methyl ester on diesel engine performance, exhaust emissions and long-term behavior
	Title: Emissions and performance characteristics of a 4-stroke, direct injected diesel engine fueled with blends of biodiesel and low sulfur diesel fuel
950054	
950055	Title: Limited durability of the diesel engine with a dual-fuel system on neat sunflower oil
950056	Title: Measurement of ambient air entrainment into transient free gas jet by means of flow visualization
950057	Title: Comparison between lean-burn and stoichiometric technologies for CNG heavy-duty engines

950061	Title: A new clean diesel technology: Demonstration of ULEV emissions on a Navistar diesel engine fueled with dimethyl ether
950062	Title: Development of fuel injection equipment and combustion system for DI diesels operated on dimethyl ether
950064	Title: Performance and emissions of a 0.273 liter direct injection diesel engine fuelled with neat dimethyl ether
950079	Title: An improved mathematical model of conventional FIE processes
950080	Title: Direct injection diesel sprays and the effect of cavitation and hydraulic flip on atomization
950081	Title: Variable-orifice geometry verified on the two-phase nozzle (VRD)
950082	Title: Characteristics of fuel sprays from specially shaped and impinging flow nozzles
950083	Title: Nozzle effect on high pressure diesel injection
950084	Title: Analysis of diesel smoke emission at low engine speed
950085	Title: Three dimensional analysis of the flow through a multihole V.C.O. nozzle for DI diesel engine
950086	Title: Fuel jet models for multidimensional diesel combustion calculations: An update
950157	Title: The evaluation of oxidation catalysts for diesel trucks
950216	Title: Modelling and experimental study about the effect of exhaust gas recirculation on diesel engine combustion and emissions
950217	Title: Reducing particulate and NOx using multiple injections and EGR in a D.I. diesel
950233	Title: Influence of injection system parameters on spray development, combustion and soot formation by optical measurement techniques in a model combustion chamber
950278	Title: The development and application of a diesel ignition and combustion model for multidimensional engine simulations
950279	Title: The spray models and their influence on ignition
950280	Title: Combustion in a swirl chamber diesel engine simulation by computation of fluid dynamics
950281	Title: An application of the coherent flamelet model to diesel engine combustion
950282	Title: Modeling the effects of intake flow characteristics on diesel engine combustion
950283	Title: Development of methodology for spray impingement simulation
950284	Title: Comparisons of computed and measured hollow-cone sprays in an engine
950285	Title: Multidimensional computation of multicomponent spray vaporization and combustion
950288	Title: CFD in-cylinder flow simulation of an engine and the flow visualization
950289	Title: High-speed/high-resolution imaging of fuel sprays from various injector nozzles for direct injection engines
950290	Title: Experimental study of cavitation in the nozzle hole of diesel injectors using transparent nozzles
950320	Title: Heavy duty diesel head/block joints—An in depth study

950321	Title: Using finite element analysis and metallographic analysis to understand field forces on an industrial head gasket
950322	Title: Design methodology for automotive multi-layer steel cylinder head gaskets
950327	Title: Edge molded metal plate (EMMP) cylinder head gaskets
950367	Title: Self regenerating catalyzed diesel aftertreatment system
950369	Title: Quasi-continuous particle trap regeneration by cerium- additives
950370	Title: Diesel vehicle application of an aerodynamically regenerated trap and EGR system
950371	Title: An aerodynamically regenerated diesel particulate trap coupled to an electric soot incinerator with dual wall-flow filters
950419	Title: A modular approach to powertrain modeling and shift quality analysis
950445	Title: Liquid and vapor phase distributions in a piloted diesel fuel spray
950447	Title: Theory and experiments on air-entrainment in fuel sprays and their application to interpret diesel combustion processes
950448	Title: Flow and heat transfer characteristics of impinging diesel sprays under cross-flow conditions
950455	Title: In-cylinder diesel flame imaging compared with numerical computations
950456	Title: Ignition and early soot formation in a D.I. diesel engine using multiple 2-D imaging diagnostics
950458	Title: Investigation of diesel sprays using diffraction-based droplet sizing
950465	Title: Combustion and exhaust emissions in a direct-injection diesel engine dual-fueled with natural gas
950467	Title: Effects of combustion on in-cylinder mixing of gaseous and liquid jets
950516	Title: Test equipment and methods at the 3M Company Diesel Filter Products Lab.
950518	Title: A root cause investigation of cylinder head cracking in large diesel engine standby power generators
950520	Title: Predictive analysis of lube oil consumption for a diesel engine
950521	Title: Development of a new engine piston incorporating heat pipe cooling technology
950524	Title: Novel approach to reduce the time from concept-to-finished piston
950525	Title: Isuzu new V8~V12 PE-series diesel engines
950526	Title: Piston cooling with shaking-up heat pipes (SUHP) and thermal analysis of the cooling system
950543	Title: The characteristics of bending vibration stress coupled with torsional vibration of automotive diesel engine shaftings
950603	Title: Modeling of diesel sprays in a very high-pressure chamber—Part II: effects of combustion
950604	Title: Effects of injection pressure and nozzle geometry on D.I. diesel emissions and performance
950605	Title: Spectral IR images of direct-injection diesel combustion by high-pressure fuel injection
950607	Title: Effects of multi-hole nozzle with throttle construction on diesel combustion and emissions with high-pressure fuel injection
950609	Title: Significant NOx reductions with direct-water injection into the sub-chamber of an IDI diesel engine

950611	Title: Reduction of diesel engine NOx using pilot injection
950613	Title: Experimental study on low-swirl shallow W-type combustion system for a small D.I. diesel engine
950731	Title: Level crossing probabilities for cyclostationary processes with two frequencies in marine diesel engine shafting systems
950735	Title: Development of wall-flow type diesel particulate filter system with efficient reverse pulse air regeneration
950737	Title: A thermally regenerated diesel particulate trap using high- temperature glass-fiber filters
950808	Title: Development of a DI diesel engine with four valves for passenger cars
950847	Title: Flow characteristics in transient gas jet
950848	Title: In-cylinder measurement of temperature and soot concentration using the two-color method
950849	Title: Investigations of soot particle growth in a diffusion flame considering the temperature dependent optical constant of the particles
950850	Title: Effect of EGR on combustion development in a 1.9L DI diesel optical engine
950851	Title: A new multi-impingement-wall head diffusion combustion system (NICS-MH) of a DI diesel engine
950852	Title: A study on small bore diesel engine with shallow W-type combustion system—Combustion rate and NOx emission
950853	Title: Numerical calculation of spray mixing process in a D.I. diesel engine and comparison with experiments
950854	Title: Modeling and identification of a diesel combustion process with the downhill gradient search method
950855	Title: The droplet group micro-explosions in W/O diesel fuel emulsion sprays
950856	Title: Combustion process of diesel spray in high-temperature air
950857	Title: Combustion process of diesel engines at regions with different altitude
950936	Title: A review of ion nitrided piston ring surface treatment development and the resultant ability to provide improved operating capability
951023	Title: Measurement of soot in diesel engine lubricating oil
951039	Title: Analysis of cam/roller follower friction and slippage in valve train systems
951047	Title: Optimization of the DEUTZ air-cooled FL 912/913 engine family for compliance with future exhaust emission requirements
960015	Title: Design and development of three combustion systems for a small passenger-car diesel engine
960028	Title: A study on combustion behavior of a diesel fuel spray impinging on a wall
960029	Title: Transient combustion process of an IDI diesel engine with dual-throat jet at cold-starting
960030	Title: A study of diesel combustion process under the condition of EGR and high-pressure fuel injection with gas sampling method

960032	Title: The combustion process in a DI-diesel hydraulic free-piston engine
960033	Title: Reduction of exhaust emission with new water injection system in a diesel engine
960034	Title: Effects of gas density and vaporization on penetration and dispersion of diesel sprays
960035	Title: Influences of fuel injection and air motion energy sources on fuel-air mixing rates in a D.I. diesel combustion system
960036	Title: Experimental results on the effect of piston surface roughness and porosity on diesel engine combustion
960041	Title: Evaluation of constant speed assumption for determining cylinder excitation torque
960048	Title: Development of plasma-spray-coated cylinder liners
960049	Title: Plastic oil rings for diesel engines: a preliminary evaluation
960050	Title: A study of the critical impingement frequency of fluid in curved pipes for piston applications
960052	Title: The piston ring shape and its effects on engine performance
960055	Title: A spherical joint piston design for high-speed diesel engines
960057	Title: The new Mercedes-Benz OM 904 LA light heavy-duty diesel engine for class 6 trucks
960058	Title: ROTULAR TAPPET™valve trains for hemispherical combustion chambers
960059	Title: Analysis of dry cylinder liner behavior during engine operation
960060	Title: A calculation method for torsional vibration of a crankshafting system with a conventional rubber damper by considering rubber form
960083	Title: Investigation of a lean-burn piston engine with catalytic prechamber
960107	Title: Injection rate shaping technology with common rail fuel system (ECD-U2)
960267	Title: Evaluation of the intensity of turbulent velocities by using a cross-correlation technique for pattern tracking
960268	Title: Speed dependence of turbulence properties in a high-squish automotive engine combustion system
960276	Title: Application of special tooth profile ("LogiX") to P/M gear
960302	Title: Development of an assembled camshaft by mechanical bonding
960317	Title: Experimental measurements on the effect of insulated pistons on engine performance and heat transfer
960321	Title: Ignition, combustion and emissions in a DI diesel engine equipped with a micro-hole nozzle
960323	Title: The analysis of combustion flame under EGR conditions in a DI diesel engine
960324	Title: An experiment formula for D.I. diesel engine flame temperature estimation
960368	Title: The characteristics of scavenging flow in a poppet-valve type 2-stroke diesel engine by using RSSV system

960505	Title: The effect of selective insulation on the performance, combustion, and NO emissions of a DI diesel engine
960506	Title: Combustion and combustion chamber for a low heat rejection engine
960507	Title: A simplified analytical methodology for selecting element density for low heat rejection diesel head thermal analysis
960619	Title: Crank-angle-based control of high-speed diesel engines
960628	Title: Modeling fuel film formation and wall interaction in diesel engines
960630	Title: An improved model to describe spray evaporation under diesel-like conditions
960631	Title: A computational investigation of the spray-induced flow and its influence on the fuel distribution for continuous and intermittent DI-diesel sprays
960632	Title: The PDF-equation approach to diesel spray evaporation computations
960634	Title: Modeling the effects of intake generated turbulence and resolved flow structures on combustion in DI diesel engines
960635	Title: Intake and in-cylinder flow modeling characterization of mixing and comparison with flow bench results
960642	Title: Observations of the reliability effects of operating heavy duty diesel engines with a nitrite/borate/low silicate coolant with no coolant change interval
960643	Title: Development of aluminum cooling system components for a 10.8 liter diesel engine
960765	Title: Combustion analysis of esters of soybean oil in a diesel engine
960767	Title: Hot surface assisted compression ignition of natural gas in a direct injection diesel engine
960770	Title: Analysis of diesel spray structure using magnified photography and PIV
960771	Title: Structure of sprays from an air-assist hollow-cone injector
960772	Title: PDA and LDA measurements of large angle hollow cone spray proposed for hot-premixed combustion type diesel engine
960773	Title: Analysis of current spray penetration models and proposal of a phenomenological cone penetration model
960774	Title: Characterization of D.I. diesel sprays in high density conditions
960775	Title: Experimental study on the effects of spray impingement and turbulence structure on spray mixing rate by gas jet simulation
960829	Title: A new method for time-resolved full-field measurement of local average gas concentration during fuel-injection
960831	Title: OH radical imaging in a DI diesel engine and the structure of the early diffusion flame
960833	Title: Visualization and modeling of pilot injection and combustion in diesel engines
960836	Title: 3D modelling and photographic investigation of combustion in Hydra DI diesel engine

960838	Title: Two dimensional analysis of diesel combustion by spectral flame emissivity measurements
960845	Title: NOx reduction using injection rate shaping and intercooling in diesel engines
960847	Title: A new compression ignition combustion system to greatly lower the NOx production without sacrificing the fuel consumption
960859	Title: Gas efficient liquid atomization using micro-machined spray nozzles
960860	Title: High pressure multiple injection spray characteristics
960861	Title: Experimental and numerical studies of high pressure multiple injection sprays
960862	Title: Effect of gas density and temperature on air entrainment in a transient diesel spray
960863	Title: Near wall interaction in spray impingement
960864	Title: Experimental study and modeling of diesel spray/wall impingement
960865	Title: Compact rotary spill pump with electronic control for high speed direct injection engines
960866	Title: From concept to end product—Computer simulation in the development of the EUI-200
960867	Title: The influence of hydro grinding at VCO nozzles on the mixture preparation in a D.I. diesel engine
960868	Title: Geometric optimization of nozzles for inclined injectors for D.I. diesel engines
960869	Title: Shaping of fuel delivery characteristics for solenoid operated diesel engine gaseous injectors
960870	Title: Common rail, an attractive fuel injection system for passenger car DI diesel engines
960872	Title: Modeling diesel engine using KIVA II 3D-code: Validation of a new global combustion model and its sensitivity to the spatial discretization
960873	Title: Predictive optimization of piston and ring stability
960874	Title: Numerical study on ignition and combustion process of a diesel spray in EGR environment
960875	Title: Object oriented modelling approaches to variable granularity; Application to a diesel engine
960876	Title: Estimation of air motion kinetic energy dissipation rates in a D.I. diesel combustion system
960877	Title: Numerical simulation of transient liquid fuel sprays vaporization under engine-like conditions using diffusion limit and well mixed vaporization models
960878	Title: Real time cavitation detection method
960879	Title: A bench test procedure for evaluating the cylinder liner pitting protection performance of engine coolant additives for heavy duty diesel engine applications
960881	Title: Quantifying parameters relevant to liner cavitation on a diesel engine
960883	Title: A comparison of engine coolant in an accelerated heavy duty engine cavitation test
961040	Title: A large scale mixing model for a quiescent chamber direct injection diesel
961051	Title: The application of phenomenological combustion model for experimental study of D.I. diesel engines
970044	Title: Dynamic behavior of multi-stage injection diesel spray
970045	Title: Characteristics of free and impinging gas jets by means of image processing

970046	Title: Movement and structure of diesel spray impinging on an inclined wall
970047	Title: Modeling spray impingement considering fuel film formation on the wall
970049	Title: Non-reactive diesel spray computations supported by PDA measurements
970050	Title: Liquid jet atomization and droplet breakup modeling of non-evaporating diesel fuel sprays
970051	Title: What is adequate resolution in the numerical computations of transient jets
970052	Title: Flow analysis in nozzle hole in consideration of cavitation
970053	Title: Injection pressure effects upon droplet behavior in transient diesel sprays
970057	Title: Experimental investigation and numerical modeling of an advanced turbocharged DI diesel engine
970203	Title: High temperature tribological coatings for advanced military diesel engines
970204	Title: Coatings for improving engine performance
	Title: Experimental investigation on some performance parameters of a diesel engine using ceramic coating on the top of the piston
970207	
	Title: Exhaust purification of diesel engines by homogeneous charge with compression ignition—Part 1: experimental investigation of combustion and exhaust emission behavior under pre-mixed homogeneous charge compression ignition method
970313	
	Title: Exhaust purification of diesel engines by homogeneous charge with compression ignition—Part 2: analysis of combustion phenomena and NOx formation by numerical simulation with experiment
970315	
970316	Title: An attempt of moving bottom auxiliary combustion chamber to reduce diesel particulate and NOx
970322	Title: Effect of intake composition on combustion and emission characteristics of DI diesel engine at high intake pressure
970340	Title: EGR technologies for a turbocharged and intercooled heavy-duty diesel engine
970341	Title: Development of SJ (Swirl Jet) turbocharger for diesel engine vehicles
970342	Title: Variable valve actuation and diesel engine retarding performance
970343	Title: Particle image velocimetry characterization of a turbocharger turbine inlet flow
970344	Title: The design and operation of a turbocharger test facility designed for transient simulation
970345	Title: Common rail injection system for commercial diesel vehicles
	Title: The optimization of common rail FIE equipped engines through the use of statistical experimental design, mathematical modeling and genetic algorithms
970346	
970348	Title: Application of an FIE computer model to an in-line pump-based injection system for diesel engines
970349	Title: A theoretical code to simulate the behavior of an electro-injector for diesel engines and parametric analysis
970350	Title: A comparison of unit injector and pump line nozzle systems
970351	Title: A droplet tagging method to investigate diesel spray
970356	Title: Influence of injection nozzle improvement on DI diesel engine

970475	Title: Combustion processes of particulate matter and soot in ceramic filter traps for diesel engines and numerical modeling
970511	Title: Modeling of the engine mechanical system crankshaft, its bearings and supports
970550	Title: Development of an improved heavy-duty dirt exclusion system for radial lip seals
970633	Title: A simulation analysis of the effect of governor technical characteristics and type on the transient performance of a naturally aspirated IDI diesel engine
970634	Title: An integrated transient analysis simulation model applied in thermal loading calculations of an air-cooled diesel engine under variable speed and load conditions
970639	Title: Advanced computational methods for predicting flow losses in intake regions of diesel engines
970756	Title: The influence of thermal barrier coatings on morphology and composition of diesel particulates
970758	Title: Effects of fuel properties on exhaust emissions for diesel engines with and without oxidation catalyst and high pressure injection
970817	Title: HVOF cermet coatings for high-horse-power diesel engines
970821	Title: Development of material surface engineering to reduce the friction and wear of the piston ring
970833	Title: Improvement in the compatibility between the wear rates of top ring and liner materials
970835	Title: Effects of piston-ring dynamics on ring/groove wear and oil consumption in a diesel engine
970838	Title: The potential of small DI-diesel engines with 250 cm ³ /cylinder for passenger car drive trains
970873	Title: A conceptual model of DI diesel combustion based on laser-sheet imaging
970875	Title: Investigation on particle size distribution in the cylinder of a passenger car DI diesel engine using a fast gas sampling valve
970879	Title: Modeling drop drag effects on fuel spray impingement in direct injection diesel engines
970880	Title: Direct injection diesel engine simulation: A combined numerical and experimental approach from aerodynamics to combustion
970882	Title: Prediction of the flow and spray processes in an automobile DI diesel engine
970888	Title: Modeling radiant heat loss characteristics in a diesel engine
970889	Title: An experimental heat release rate analysis of a diesel engine operating under steady state conditions
970898	Title: Combustion and emission characteristics of premixed lean diesel combustion engine
971142	Title: Modeling of direct-injection diesel engine fuel consumption
971145	Title: Lightweight crankcase for a new turbocharged direct injection diesel engine
971146	Title: Reduced cross section compression rings for diesel engines
980117	Title: On the future of combustion in piston engines
980130	Title: Prediction of DI diesel engine emissions by multidimensional simulation
980141	Title: The visualization and its analysis of combustion flame in a DI diesel engine

980146	Title: Simultaneous measurements of concentration and temperature distributions in unsteady gas jets by an iodine LIF method
980147	Title: PLIF imaging of NO formation in a DI diesel engine
980184	Title: Effects of EGR on heat release in diesel combustion
980481	Title: Whole field MTV measurements in a steady flow rig model of an IC engine
980501	Title: A numerical simulation of ignition delay in diesel engines
980502	Title: A study of physical and chemical delay in a high swirl diesel system via multiwavelength extinction measurements
980504	Title: Radiation heat transfer in a combustion chamber of diesel engine with partially transparent burnt gas zone
980508	Title: Intake flow effects on combustion and emissions in a diesel engine
980511	Title: A model for multicomponent droplet vaporization in sprays
980524	Title: Two-color imaging of in-cylinder soot concentration and temperature in a heavy-duty DI diesel engine with comparison to multidimensional modeling for single and split injections
980533	Title: The effects of mixture formation on premixed lean diesel combustion
980534	Title: Effect of swirl and fuel injection characteristics on premixed phase of diesel combustion
980535	Title: Diesel fumigation partial premixing for reducing ignition delay and amplitude of pressure fluctuations
980563	Title: Variation of piston ring oil film thickness in an internal combustion engine—Comparison between thrust and anti-thrust sides
980565	Title: An FEM-based approach to crankshaft dynamics and life estimation
980572	Title: Design and development of method of valve-train friction measurement
980786	Title: Comparisons of computed and measured results of combustion in a diesel engine
980787	Title: Supercharged homogeneous charge compression ignition
980803	Title: A common rail injection system for high-speed, direct-injection diesel engines
980804	Title: A new method for measuring fuel-injection rate
980805	Title: A study on surrounding air flow induced by diesel sprays
980806	Title: Common rail fuel injection system for improvement of engine performance on heavy-duty diesel engine
980807	Title: Injection characteristics and spray features of the Variable Orifice Nozzle (VON) for direct-injection diesel engines
980808	Title: Simulation of liquid jet atomization for fuel sprays by means of a cascade drop breakup model
980809	Title: Liquid-phase fuel penetration in diesel sprays

980810	Title: An experimental and numerical study of sprays from a common rail injection system for use in an HSDI diesel engine
980811	Title: Analysis of the flow in the nozzle of a vertical multihole diesel engine injector
980813	Title: Study of the injection control valve in a new electronic diesel fuel system
980838	Title: Development of a continuously variable speed viscous fan clutch for engine cooling system
980843	Title: Cylinder head gasket simulation in finite element analysis
980844	Title: Development of a new metal cylinder head gasket
980868	Title: Stacked panel filter for engine air intake systems
980869	Title: High-pressure injection fuel system wear study
981020	Title: Intake flow predictions of a transparent DI diesel engine
981021	Title: Development and validation of a 3-D multi-zone combustion model for the prediction of DI diesel engines performance and pollutants emissions
981022	Title: Simulation of soot formation under diesel engine conditions using a detailed kinetic soot model
981023	Title: Numerical study of the cloud cavitation in a fuel injection pump
981024	Title: Modeling the structural thermal response of an air-cooled diesel engine under transient operation including a detailed thermodynamic description of boundary conditions.
981025	Title: Cylinder-to-cylinder variation of losses in intake regions of IC engines
981026	Title: IC engine intake region design modifications for loss reduction based on CFD methods
981066	Title: Experimental investigation on the fluctuation intensities in a stationary spray
981067	Title: Simulation of a diesel jet assumed fully atomized at the nozzle exit
981068	Title: An efficient cam design procedure for a prescribed diesel fuel injection rate profile using a Bézier curve
981069	Title: Macroscopic and ignition characteristics of high-pressure sprays of single-component fuels
981070	Title: The effects of injection parameters on a heavy-duty diesel engine with TICS system
981071	Title: The computed structure of a combusting transient jet under diesel conditions
981073	Title: Investigation of droplets and ambient gas interaction in a diesel spray using a nano-spark photography method
981090	Title: Critical engine geometry generation for rapid powertrain concept design assessment
SAE International Fall Fuels and Lubricants Meeting and Exhibition	
1999-01-3475	Title: Partitioning emissions tasks across engine and aftertreatment systems
1999-01-3487	Title: A study of composition and size distribution of particulate matter from DI diesel engine
1999-01-3488	Title: Analysis of soot particulate formation in a high-pressure confined spray-flame
1999-01-3489	Title: In-cylinder soot-control with high-speed rotating injector for DI diesel engines

1999-01-3490	Title: Injection orifice shape: Effects on spray characteristics and heat-release rate in a large-size, single-cylinder diesel engine
1999-01-3491	Title: The influence of pressure in the nozzle sac and needle lift on fuel spray behavior and HC emissions in DI diesel engines
1999-01-3492	Title: Analysis of factors influencing particulate matter emissions of a compression-ignition, direct-injection engine
1999-01-3493	Title: A study of pilot injection in a DI diesel engine
1999-01-3494	Title: Study of High-pressure Injection DI Diesel Engine
1999-01-3495	Title: Cycle-to-cycle transient characteristics of diesel emissions during starting
1999-01-3496	Title: Direct visualization Of high-pressure diesel spray and engine combustion
1999-01-3523	Title: Operating characteristics and description of a dual-fuel engine for diesel-natural gas heavy-duty operation
1999-01-3531	Title: Influence of mini-tunnel operating parameters and ambient conditions on diesel particulate measurement and analysis
1999-01-3532	Title: Characterization of soluble organic fraction in DPM: Optimization of the extraction method
1999-01-3533	Title: Determination of polycyclic aromatic hydrocarbons (PAH) in size-fractionated diesel particles from a light-duty vehicle
1999-01-3534	Title: Analysis of semivolatile organic compounds in diesel exhaust using a novel sorption and extraction method
1999-01-3546	Title: NO decomposition in diesel engines
1999-01-3547	Title: Modeling the effect of split injections in diesel engines using representative interactive flamelets
1999-01-3548	Title: A simple approach to studying the relation between fuel rate, heat release rate and NO formation in diesel engines
1999-01-3549	Title: A holistic hydraulic and spray model—Liquid and vapor phase penetration of fuel sprays in DI diesel engines
1999-01-3550	Title: Modeling the combustion in a small-bore diesel engine using a method based on representative interactive flamelets
1999-01-3552	Title: Numerical evaluation of soot formation control at diesel-like conditions by reducing fuel injection timing
1999-01-3555	Title: Correlating the diesel spray behavior to nozzle design
1999-01-3556	Title: Optimization study of pilot-ignited natural gas direct- injection in diesel engines
1999-01-3557	Title: NOx sorbate catalyst system with sulfur catalyst protection for the aftertreatment of No. 2 diesel exhaust
1999-01-3558	Title: Development of a compact reverse-flow catalytic converter for diesel dual-fuel LEV

1999-01-3560	Title: Hydrocarbon sorption and oxidation catalyst for heavy duty engines
1999-01-3562	Title: Improved diesel particulate filter regeneration performance using fuel soluble additives
1999-01-3563	Title: A catalytic NOx aftertreatment system for heavy-duty trucks using diesel fuel as reducing agent
1999-01-3564	Title: Performance evaluation of advanced emission control technologies for diesel heavy-duty engines
1999-01-3565	Title: Development of a microwave-assisted regeneration system for a ceramic diesel particulate system
1999-01-3598	Title: Reduction of NOx, Smoke, and BSFC in a diesel engine fueled by biodiesel emulsion with used frying oil
1999-01-3599	Title: Performance of NOx catalyst in a DI diesel engine operated with neat dimethyl ether
1999-01-3603	Title: Emissions from a diesel vehicle operated on alternative fuels in Copenhagen
1999-01-3604	Title: Effects of two-spring injectors on the performance and emissions of a mustard seed oil-driven tractor engine
1999-01-3633	Title: Plasma-enhanced selective catalytic reduction of NOx in diesel exhaust: Test bench measurements
1999-01-3635	Title: Electrical characterization of a dielectric barrier discharge plasma device
1999-01-3637	Title: Feasibility of plasma aftertreatment for simultaneous control of NOx and particulates
1999-01-3639	Title: Evaluation of a non-thermal plasma system for remediation of NOx in diesel exhaust
1999-01-3645	Title: Development of micro-diesel injector nozzles via MEMS technology and initial results for diesel sprays
1999-01-3646	Title: Optimizing common-rail injection by optical diagnostics in a transparent production type diesel engine
1999-01-3647	Title: Analysis of mixture formation, combustion and pollutant formation in HD diesel engines using modern optical diagnostics and numerical simulation
1999-01-3648	Title: High-pressure diesel spray and combustion visualization in a transparent model diesel engine
1999-01-3649	Title: Optical diagnostics applied to a naturally aspirated homogeneous charge compression ignition engine
1999-01-3650	Title: Optical studies in a DI diesel engine
1999-01-3652	Title: Combustion phenomena in IDI diesel engine detected by optical methods
1999-01-3665	Title: The effect of a turbocharger clearance control coating on the performance and emissions of a 2-stroke diesel engine
1999-01-3666	Title: In-service evaluation of performance-enhancing coatings for a heavy-duty diesel truck engine
1999-01-3669	Title: Study of performance and combustion characteristics of a DME- fueled, light-duty, direct-injection diesel engine
1999-01-3673	Title: A study of valve seat insert wear mechanisms
1999-01-3679	Title: Demonstrating the multi-fuel capability of a homogeneous charge compression ignition engine with variable compression ratio

1999-01-3680	Title: A study of the homogeneous charge compression ignition combustion process by chemiluminescence imaging
1999-01-3681	Title: New combustion concept for ultra-clean and high-efficiency small DI diesel engines
1999-01-3682	Title: Homogeneous charge compression ignition (HCCI): Benefits, compromises, and future engine applications
1999-01-3684	Title: Recent performance testing of the TecoJet post-combustion DeNOx technology for diesel engines
2000-01-2815	Title: Class 8 trucks operating on ultra-low sulfur diesel with particulate filter systems: Regulated emissions
2000-01-2817	Title: Diesel emission control—Last 12 months in review
2000-01-2869	Title: HCCI engine control by thermal management
2000-01-2915	Title: A new double swirls combustion system for DI diesel engine
2001-01-3506	Title: A study of effects of design parameters on transient response and injection rate shaping for a common-rail injector system
2001-01-3507	Title: An investigation of the effects of manufacturing deviations of helical inlet port on the flow characteristics of DI diesel engines
2001-01-3517	Title: Combustion and emission characteristics of Fischer-Tropsch and standard diesel fuel in a single-cylinder diesel engine
2001-01-3520	Title: Development of truck engine technologies for use with Fischer-Tropsch fuels
2001-01-3552	Title: Contribution of oil traction to diesel engine cam galling
2001-01-3685	Title: Modifying an intake manifold to improve cylinder-to-cylinder EGR distribution in a DI diesel engine using combined CFD and engine experiments
902060	Title: The effect of intake charge temperature on combustion and emissions in an optically accessible DI diesel engine with and without swirl
902062	Title: Total in-cylinder sampling experiment on emission formation processes in a DI diesel engine
902070	Title: Performance characteristics of a hydrogen-fueled diesel engine with ignition assist
902075	Title: Simultaneous optimization of diesel engine parameters for low emissions using Taguchi methods
902076	Title: Swirl effects on mixing and flame evolution in a research DI diesel engine
902077	Title: Development of a new optical technique for measuring diesel spray penetration
902078	Title: Numerical analysis of the fuel spray formation in DI diesel engine
902079	Title: Computation of the spray from an air-assisted fuel injector
902080	Title: Turbulence length scale measurements by two-probe-volume LDA technique in a diesel engine
902081	Title: Photographic and three dimensional numerical studies of diesel soot formation process
902083	Title: Evaluation of the effects of a new combustion system and catalyst on the engine emissions
902084	Title: Catalytic effects of Cr ₂ O ₃ and PSZ on gas-phase ignition under diesel engine combustion conditions

902110	Title: Catalyst considerations for diesel converters
902124	Title: Engine component wear rate on diesels equipped with an oil cleaning centrifuge
902125	Title: Planar laser light scattering for the in-cylinder study of soot in a diesel engine
912339	Title: Investigation into extending diesel engine oil drain interval (part 1)—Oil drain interval extension by increasing efficiency of filtering soot in lubricating oil
912340	Title: Investigation into extending diesel engine oil drain interval (part 2)—Development of long drain diesel engine oil having low soot dispersancy
912342	Title: Clean diesel exhaust but sooty engines: the importance of the crankcase oil
912352	Title: Heat transfer characteristics of an uncooled silicon nitride surface in a naturally-aspired DI diesel
912353	Title: Reduction of soot emission by air-jet turbulence in a DI diesel engine
912354	Title: A stochastic combustion model of direct injection diesel engines
912400	Title: Relation between diffusion process of sulfur oxides in exhaust gas into oil film and wear of cylinder liner and piston rings in diesel engines
922199	Title: Relationships among oil composition combustion-generated soot, and diesel engine valve train wear
922203	Title: Laser illuminated photographic studies of the spray and combustion phenomena in a small high speed DI diesel engine
922204	Title: Investigation of spray penetration and fuel distribution inside the piston bowl of a 1.9 l DI diesel engine using two-dimensional mie scattering
922205	Title: Planar fluorescence technique for visualization of a diesel spray
922207	Title: Observation of combustion process of diesel fuel spray in high temperature air
922208	Title: Effects of flame motion and temperature on local wall heat transfer in a rapid compression-expansion machine simulating diesel combustion
922209	Title: Study on the combustion process of a 2 liter supercharged intercooled D.I. diesel engine, based on experimental and modelled results
922222	Title: The influence of some engine operating parameters on particulate emissions
922223	Title: Computer simulation of fuel injection systems for DI diesel engines
922224	Title: Fuel injection rate analysis—A new diagnostic tool for combustion research
922225	Title: Three dimensional calculations of DI diesel engine combustion and comparison with in cylinder sampling valve data
922226	Title: Diesel engine modelling under steady and transient conditions using a transputer based concurrent computer
922228	Title: A simplified model for predicting evaporating spray mixing process in D.I. diesel engine
922303	Title: Autoignition of dilute fuel sprays including detailed chemistry

922304	Title: A study of soot formation processes in a dual fueled compression ignition engine
	Title: Application of the discrete transfer model of thermal radiation in a CFD simulation of diesel engine combustion and heat transfer
922305	
922307	Title: Soot and fuel distributions in a D.I. diesel engine via 2-D imaging
922308	Title: Internal flow in a scale model of a diesel fuel injector nozzle
922351	Title: Vapor delivered lubrication of diesel engines—Uncooled single cylinder engine test
922362	Title: Development of a heavy duty on-highway natural gas-fueled engine
922367	Title: Analysis of knock in a dual-fuel engine
	Title: Quantitative, planar soot measurements in a D.I. diesel engine using laser-induced incandescence and light scattering
932650	
932652	Title: 2-D imaging of fuel vapor concentration in a diesel spray via exciplex-based fluorescence technique
932654	Title: Technology for meeting the 1994 U.S.A. exhaust emission regulations on heavy-duty diesel engine
932655	Title: The effect of split injection on soot and NO _x production in an engine-fed combustion chamber
932656	Title: Simple modeling of autoignition in diesel engines for 3-D computations
	Title: Soot formation and oxidation in a D.I. diesel engine: a comparison between measurements and three-dimensional computations
932658	
932700	Title: Intake valve flow measurements using PIV
932768	Title: The cold performance of diesel engines
932781	Title: The possible role of surface tension in the reduction of top ring drag
932784	Title: Characterization of the oil film behavior between the liner and piston of a heavy-duty diesel engine
932789	Title: Measurements of cylinder liner oil film thickness in a motored diesel engine
932798	Title: The effects of simulated EGR via intake air dilution on combustion in an optically accessible DI diesel engine
932805	Title: Oxygen-enriched diesel engine experiments with a low-grade fuel
941894	Title: Modeling of diesel spray impingement on a flat wall
941895	Title: Modeling of diesel spray dynamics and comparison with experiments
941896	Title: Three-dimensional computations of diesel sprays in a very high pressure chamber
941897	Title: Toward predictive modeling of diesel engine intake flow, combustion and emissions
941898	Title: Modeling the source of combustion noise in a direct-injection diesel engine using cfd
941899	Title: Three-dimensional computations of the scavenging process in an opposed-piston engine
941900	Title: A multi-zone model for prediction of di diesel engine combustion and soot emission
941907	Title: Coal-water-slurry autoignition in a high-speed detroit diesel engine
941918	Title: Investigation of diesel spray structure and spray/wall interactions in a constant volume pressure vessel

941919	Title: Injection pressure and intake air density effects on ignition and combustion in a 4-valve diesel engine
941920	Title: Visualization of diesel spray by laser sheet method
941921	Title: Influence of the starting aid position on airflow, spray formation and combustion in a production idi-diesel engine by high-speed filming via endoscopes
941922	Title: New concept for six-stroke diesel engine
941923	Title: Attitude control of a diesel spray under the coanda effect
941926	Title: Ford 4-valve light-duty di diesel development
941928	Title: The method for development of a diesel engine universal performance map
941940	Title: A mathematical model for the calculation of blow-by flow and oil consumption depending on ring pack dynamic. part 1: gas flows, oil scraping and ring pack dynamic
941950	Title: Geometry of the fuel cloud created by impingement of a diesel jet onto a small heated target
941951	Title: LDA analysis of high injection pressure diesel fuel spray and entrainment air flow
941954	Title: European diesel research idea - experimental results from di diesel engine investigations
941981	Title: The influence of lubricant rheology on friction in the piston ring-pack
941986	Title: 1.8l sierra-mondeo turbo-diesel valvetrain friction reduction using a solid film lubricant
952366	Title: Diesel cold-starting study using optically accessible engines
952388	Title: Emissions and engine performance from blends of soya and canola methyl esters with ARB #2 diesel in a DDC 6V92TA MUI engine
952425	Title: Multidimensional modeling of fuel composition effects on combustion and cold-starting in diesel engines
952427	Title: An experimental and numerical study of air-fuel mixing and combustion of a divided-chamber diesel engine system
952429	Title: Progress towards diesel combustion modeling
952431	Title: A new high pressure droplet vaporization model for diesel engine modeling
952432	Title: Modelling the origins of combustion noise in the indirect injection diesel engine
952435	Title: A predictive model for the combustion process in dual fuel engines
952456	Title: The effect of TDC temperature and density on the liquid-phase fuel penetration in a D.I. diesel engine
952461	Title: Non-intrusive temperature measurements during the compression phase of a DI diesel engine
952467	Title: A new test bench for HWA fluid-dynamic characterization of a two-valved in-piston-bowl production engine
952469	Title: Measurement of the oil film thickness between the cylinder liner and the piston rings in a heavy duty directly injected diesel engine

952476	Title: Wear mechanisms of valve seat and insert in heavy duty diesel engine
952511	Title: Characteristics of diesel combustion and emissions with a multi-injector system
952513	Title: Visualization of ambient air motion and entrainment into a transient gas jet impinging on a flat wall
952514	Title: Development of a rapid compression-expansion machine simulating diesel combustion
952515	Title: A study of the effects of chamber geometries on flame behavior in a DI diesel engine
952516	Title: Time-resolved infrared spectroscopy: Evaluation of temperature for various EGR rates in a DI-diesel engine
952547	Title: Lubricant related factors controlling oil consumption in diesel engines
952549	Title: Elastohydrodynamic lubrication model of connecting rod big end bearings; comparison with experiments by diesel engine
952550	Title: Temperature distribution and lubrication characteristics of connecting rod big end bearings
952551	Title: Developing heavy duty diesel lubricants to meet the extended service interval challenge
952552	Title: Effect of physical characteristics of lubricating oils on emissions, fuel economy and oil consumption in a light duty diesel engine
952554	Title: High efficiency diesel fuel filtration—A case study
952555	Title: Correlating engine wear with filter multipass testing
952557	Title: Total Filtration™: The influence of filter selection on engine wear, emissions, and performance
952558	Title: The classification of lubricating oil contaminants and their effect on wear in diesel engines as measured by surface layer activation
961909	Title: Comparison of measured and theoretical inter-ring gas pressure on a diesel engine
961933	Title: Ignition delay and combustion duration with natural gas fueling of diesel engines
961942	Title: A study of the clean-up activity of a high-performance diesel fuel detergent in IDI engines
961946	Title: A comparison of modified elevated temperature HFRR test data with scuffing BOCLE results
962002	Title: Effect of injector nozzle hole size and number on spray characteristics and the performance of a heavy-duty D.I. diesel engine
962003	Title: Full mid-IR spectral characterization of lubricant in the ring pack of a running diesel engine by time-resolved FTIR spectrometry
962004	Title: Measurement of the instantaneous distribution of momentum in diesel injection nozzle fuel jets
962005	Title: Temperature effects on fuel sprays from a multi-hole nozzle injector
962019	Title: Turbulence spectrum investigation in a DI diesel engine with a reentrant combustion bowl and a helical inlet port
962020	Title: Study of automotive diesel injection-system dynamics under control
962052	Title: Predictions of residual gas fraction in IC engines
962053	Title: Simulation of heavy fuel spray and combustion in a medium-speed diesel engine

962054	Title: Model verification of the evaporating diesel spray distribution in the combustion chamber of a D.I. diesel engine
962055	Title: An assessment of predictivity of CFD computations of combustion and pollutants formation in D.I. diesel engines
962056	Title: Modeling the effect of engine speed on the combustion process and emissions in a DI diesel engine
962059	Title: Simulation study of effects of injection rate profile and air entrainment characteristics on D.I. diesel combustion
972865	Title: Combustion and NOx emission simulation of a large medium-speed diesel engine
972866	Title: Applications of the cross-sectional average method to calculations of the dense spray region in a diesel engine
972867	Title: Three-dimensional visualization for calculated distributions of diesel spray and flame in the combustion chamber of a DI diesel engine
972915	Title: Turbulence measurement in diesel combustion by optical fiber thermometer
972959	Title: A two-zone model analysis of heat release rate in diesel engines
972973	Title: Engine performance and exhaust characteristics of direct-injection diesel engine operated with DME
972976	Title: Computer simulation studies of an alcohol-fueled, low-heat-rejection, direct-injection diesel engine
982461	Title: New trends in combustion system design of light duty diesel engines inferred by three dimensional C.F.D. computations
982582	Title: Higher quality base oils for tomorrow's engine oil performance categories
982583	Title: Effect of fuel spray characteristics on combustion and emission formation in a large medium speed diesel engine
982599	Title: Diesel trap performance: particle size measurements and trends
982630	Title: OH radical generation and soot formation/oxidation in DI diesel engine
982663	Title: A study on cam wear mechanism with a newly developed friction measurement apparatus
982677	Title: Exploring the limits of improving DI diesel emissions by increasing in-cylinder mixing
982678	Title: The rotating injector, a new system for diesel combustion
982679	Title: Combustion optimization by means of common-rail injection system for heavy-duty diesel engines
982680	Title: Research on a variable swirl intake port for 4-valve, high-speed DI diesel engines
982683	Title: Diesel engine response to high fuel-injection pressures
982685	Title: Chemiluminescence imaging of autoignition in a DI diesel engine
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1999-01-2799	Title: Experimental study of static and dynamic behavior of the cylinder head gasket in a turbocharged diesel engine with intercooler

1999-01-2800	Title: Nonroad engine activity analysis and transient cycle generation
1999-01-2823	Title: New developments in oil/coolant heat exchangers for heavy-duty engine and transmission applications
2000-01-2545	Title: Horsepower with brains: The design of the CHIRON free piston engine
2000-01-2546	Title: First cycles of the dual hydraulic free piston engine
2000-01-2548	Title: Off-highway noise—Diverging demands of the future
2000-01-2577	Title: Numerical and experimental methods to investigate cooling air flow in the construction machinery's engine compartment
2000-01-2579	Title: High performances and low noise fans for cooling systems of OHV, trains and cars
2000-01-2601	Title: Development of a new life equation for ball and roller bearings
2000-01-2602	Title: Development of heat resistant long life through hardening bearing steel (STJ2)
2000-01-2604	Title: Select-a-Seal™, a new flange sealing technology
2000-01-2630	Title: Effects of timing and odd/even number of teeth on noise generation of gerotor lubricating pumps for IC engines
2000-01-2634	Title: 9000T Series John Deere track tractors
2000-01-2635	Title: Development of KUBOTA new utility M Series tractors
2002-01-1417	Title: Optimum control of a hydrostatic powertrain in the presence of accessory loads
2002-01-1498	Title: A comparison of some biodegradable hydraulic fluids and engine oils
901565	Title: Cylinder pressure analysis of a diesel engine using oxygen enriched air and emulsified fuels
901566	Title: Evaluation of oxygenated fuel by direct injection diesel and direct fuel injection impingement diffusion combustion diesel engines
901567	Title: Development of an ethanol DI spark assisted diesel engine (SADE)
901570	Title: The Cummins A3.4-125—A charge cooled IDI turbo diesel for the 1991 U.S. light-heavy duty market
901572	Title: Mitsubishi new 12.0 liter turbocharged and intercooled diesel engine
901573	Title: DDC's 8V71T, low heat rejection engine developed for the U.S. Army self propelled howitzers and support vehicles
901574	Title: The new Cummins C series diesel engine
901575	Title: Visual study of influence of combustion chamber configurations on fuel-air mixing process in D.I. diesel engine using liquid-liquid injection technique
901576	Title: LDA measurements of steady and unsteady flow through the induction system of a heavy duty diesel engine
901577	Title: An image analysis of high speed combustion photographs for D.I. diesel engine with high pressure fuel injection
901578	Title: Experimental investigation of film-space atomization combustion in D.I. diesel engines

901579	Title: The microcrystal structure of soot particulates in the combustion chamber of prechamber type diesel engines
901580	Title: The interaction of fuel spray and air swirl in a diesel combustion chamber with nitrogen gas circulation
901614	Title: Studies on combustion and exhaust emissions in a high speed DI diesel engine
901616	Title: Investigation of flow field and fuel spray in a direct-injection diesel engine via KIVA-II program
901617	Title: Apparatus for the measurement of ignition delay times for diesel engine fuels
901618	Title: New type of diesel engine by impingement of fuel jet (OSKA-D)
901669	Title: Komatsu high pressure fuel injection pump "KP21"
901670	Title: Measuring the injection rate in diesel multi-hole nozzles
901671	Title: A mathematical simulation and test to transient performance of turbo-charged diesel engine
911766	Title: Performance and emissions of a natural gas dual-fueled, indirect injected diesel engine
911768	Title: A prechamber-type compression ignition engine operated by composite fuels
911772	Title: Exciting force characteristics in practical diesel engine with non-uniform velocity balancer driven by eccentric gear
911774	Title: Study on DI diesel engine with an impinging nozzle head—Performance and combustion characteristics
911785	Title: The effects of spray, mixing, and combustion model parameters on KIVA-II predictions
911786	Title: Evaluation and study of the heat release rate of swirl chamber diesel engines
911787	Title: Implementation of a fuel spray wall interaction model in KIVA-II
911788	Title: VR/LE engine concept application to the turbocharged diesel engine
911789	Title: 3-D modeling of diesel engine intake flow, combustion and emissions
911790	Title: Modeling of diesel engine operation
911818	Title: The dynamics of pump-line-nozzle fuel injection systems
911820	Title: Improvement of diesel engine performance through fuel-injection equipment optimization
	Title: Effects of a catalyzed diesel particle filter on the chemical and biological character of emissions from a diesel engine used in underground mines
911840	
911841	Title: Ignition delay of a diesel spray injected into a residual gas mixture
911842	Title: In-cylinder fluid motion and emissions of conventional and re-entrant diesel combustion systems
911843	Title: Dynamic testing of light duty diesel engine: characterization of combustion parameters evolution
911844	Title: A simple squish model for pentroof combustion chamber
911845	Title: High temperature diesel combustion in a rapid compression-expansion machine
911851	Title: Step response of engine torque and speed in small two-stroke diesel engines
911852	Title: A diesel exhaust filter system for industrial diesel forklifts

911877	Title: Advances in diesel protection systems
921627	Title: Improvements in 3-D modeling of diesel engine intake flow and combustion
921628	Title: Image analysis of diesel sprays
921629	Title: In-cylinder soot deposition rates due to thermophoresis in a direct injection diesel engine
921630	Title: Design modifications for durability improvements of diesel engines operating on plant oil fuels
921641	Title: Quantitative relations of combustion in a D.I. diesel engine-main combustion period and after burn period
921642	Title: The measurement and analysis of swirl in steady flow
921643	Title: Analysis of swirl in unsteady flow and its effect on diesel combustion
921645	Title: Development of low NOx emission diesel engine by impingement of fuel jet
921674	Title: Self regenerating particulate matter system for on and off-highway diesel engines
921677	Title: Design and development of catalytic converters for diesels
921697	Title: The exhaust and noise emission concepts of the new Deutz B/FM1012/C and B/FM1013/C engine families
921698	Title: New John Deere 2.9L 3-cylinder diesel engines
921699	Title: The design and development of the GENESIS diesel engine family
921700	Title: Development of nodular cast iron pistons with permanent molding process for high speed diesel engines
921724	Title: Computer simulation of one-dimensional pulsating pipe flow with diffuser
921725	Title: Structural analysis of diesel engine cylinder head gasket joints
921726	Title: The dynamic characteristics of torsional viscous-friction dampers on reciprocating engine shaftings
921727	Title: Review of induction system design and a comparison between prediction and results from a single cylinder diesel engine
921728	Title: The use of parameterization for modeling diesel fuel spray
921729	Title: Investigation of probable combustion chamber configurations for high output DI diesel engines
921733	Title: A one-dimensional model for in-cylinder heat convection based on the boundary layer theory
932375	Title: Coolant seal elastomer for diesel engine head gasket
932385	Title: Variable injection timing effects on the performance and emissions of a direct diesel engine
932411	Title: Dynamic parameters for engine diagnostics: effect of sampling
932456	Title: Nonlinear finite element analysis of diesel engine cylinder head gasket joints
932458	Title: Progress in diesel engine intake flow and combustion modeling
932459	Title: Experimental correlations for heat release and mechanical losses in turbocharged diesel engines
932461	Title: Source data determination in modeling of diesel engine operation

932465	Title: Present and future emission requirements for mining engines and their influence on diesel engine design
932467	Title: Optimization of the diesel engine injection nozzle
932468	Title: Optical methods for the measurement of the temperature and concentration distribution in combustion chambers
932477	Title: Apparatus for premixed combustion analysis
932478	Title: A study of energy released during premixed combustion
932479	Title: Optimum injection timings of gas-oil and methanol in dual fuel CI engine
932490	Title: A FEM thermal analysis on a novel designed air-gap insulated piston
932491	Title: Power cylinder design variables and their effects on piston combustion bowl edge stresses
932492	Title: NVH optimization of a 16-cylinder diesel engine
941688	Title: MTBE for improved diesel combustion and emissions?
941689	Title: Number-based droplet velocity distribution in high pressure diesel fuel sprays
941692	Title: The effect of pilot injection on combustion in a turbocharged D.I. diesel engine
941693	Title: Three-dimensional spray distributions in a direct injection diesel
941694	Title: The optimum of heat release patterns in high speed D.I. diesel engine
941695	Title: Effective reduction of noise and vibration of internal combustion engines in marine installations
941698	Title: Optimum phasing of engine and propeller in marine propulsion systems with direct-coupled two-stroke engines
941699	Title: Experimental performance results from a carbon dioxide/oxygen breathing diesel engine
941730	Title: Diesel engines fuel economy characteristics
941731	Title: Numerical solution and study of thermal effect of transient processes of a turbocharged diesel engine
941732	Title: investigation of a direct injection diesel engine by high-speed spectral IR imaging and KIVA-II
941756	Title: The laser interfero-holographic and tomographic analysis of concentration and temperature distribution of a three dimensional transient diesel spray
941757	Title: Computer simulation of fuel injection systems - a parametric study
941776	Title: A review of free piston engine concepts
941777	Title: Performance design of hydraulic mount for low frequency engine vibration and noise control
941778	Title: Development of single cylinder Di diesel engine type 1102 with horizontal cylinder
941779	Title: Heat transfer through ceramic barrier coatings used in internal combustion engines
952055	Title: Evaluation of the thermodynamic process of indirect injection diesel engines by the first and second law
952056	Title: The study of an optimum method for inlet port performance in a D.I. diesel engine

952059	Title: Pressure modulated injection and its effect on combustion and emissions of a HD diesel engine
952063	Title: Nitrogen oxidizing in modeling of diesel engine operation
952064	Title: Dimensionless analysis of diesel engine properties at different atmospheric pressures
952067	Title: A study on the flow in the engine intake system
952068	Title: Numerical analysis of pulsatile flow in pipe system with three-way junction
952069	Title: Flow analysis of the helical intake port and cylinder of a direct injection diesel engine
952070	Title: Frequency analysis technique for intake and exhaust manifold design
952071	Title: Calculation of the diesel fuel injection parameters
952072	Title: A new calculation method for simulating the thermodynamic process in the intercoolers
952099	Title: High output compound diesel engine schemes—How do they compare with state-of-the-art turbocharged engines
952100	Title: Wear characteristics of a roller follower variable valve timing system
961743	Title: A superalloy low heat rejection engine with conventional lubrication
961744	Title: Sequential hydro-supercharging system for turbodiesels
961745	Title: The effects of ceramic port insulation on cylinder head performance in a diesel engine
961747	Title: Performance development of a new axially moveable vane turbocharger
961748	Title: Cummins Quantum CELECT fuel system description for the QSK19 diesel engine
961781	Title: Analysis of sound levels from Nebraska Tractor Test data
961818	Title: A perspective on extended service intervals and long-life coolants for heavy-duty engines
	Title: Development of an ultra-low silicate, phosphate-free, extended-service interval coolant, supplemental coolant additive and maintenance practice for use in high output off-highway and powerplant internal combustion iron block engines
961819	
961820	Title: Experiments and modeling on spray distributions in the combustion chamber of a direct injection diesel engine
961826	Title: Predicting vehicle turbocharged diesel engine performance at altitude