

Papers in: SP-2016

Paper Number For more information, click on the Paper Number	Title
2006-01-0046	Future Potential and Development Methods for High Output Turbocharged Direct Injected Gasoline Engines
2006-01-0047	Exhaust Gas Recirculation for Improved Part and Full Load Fuel Economy in a Turbocharged Gasoline Engine
2006-01-0048	Development and Assessment of a Multizone Combustion Simulation Code for SI Engines Based on a Novel Fractal Model
2006-01-0049	Experimental Investigation of Fuel Consumption, Exhaust Emissions and Heat Release of a Small-Displacement Turbocharged CNG Engine
2006-01-0224	The Effect of Sparkplug Design on Initial Flame Kernel Development and Sparkplug Performance
2006-01-0225	Knock Behavior of SI-Engines: Thermodynamic Analysis of Knock Onset Locations and Knock Intensities
2006-01-0226	Knock Signal Analysis Using the Discrete Wavelet Transform
2006-01-0227	Defining Knock Characteristics and Autoignition Conditions of LPG with a Possible Correlation for the Control Strategy in a SI Engine
2006-01-0228	An Investigation of Gasoline Engine Knock Limited Performance and the Effects of Hydrogen Enhancement
2006-01-0229	Effects of Combustion Phasing, Relative Air-fuel Ratio, Compression Ratio, and Load on SI Engine Efficiency
2006-01-0230	Gasoline S.I. Engine Combustion and Knocking Analysis on the Mixture Formation in the Various Direct Injection Fuel Spray Patterns
2006-01-0231	Thermodynamic Analysis and Benchmark of Various Gasoline Combustion Concepts
2006-01-0491	A Second Law Analysis of High Efficiency Low Emission Gasoline Engine Concepts
2006-01-0492	An Experimental and Modeling Based Investigation into Post Fuel Injection Vapor Generation
2006-01-0494	The Effects of Temperature and Pressure on Stretched, Freely Propagating, Premixed, Laminar Methane-Air Flame
2006-01-0495	SI Engine Lean-Limit Extension Through LPG Throttle-Body Injection for Low CO ₂ and NO _x
2006-01-1000	Analysis of Fuel Flow and Spray Atomization in Slit Nozzle for Direct Injection Gasoline Engines
2006-01-1001	Improvement of Center Injection Spray Guided DISI Performance
2006-01-1002	Numerical Investigation on the Needle-shape of Hollow-Cone Pressure-Swirl Type Gasoline Direct Injector
2006-01-1003	Spray Characterization in a DISI Engine During Cold Start: (2) PDPA Investigation
2006-01-1004	Spray Characterization in a DISI Engine During Cold Start: (1) Imaging Investigation

- [2006-01-1259](#) Development of V-6 3.5-liter Engine Adopting New Direct Injection System
- [2006-01-1260](#) The HOTFIRE Homogeneous GDI and Fully Variable Valve Train Project - An Initial Report
- [2006-01-1261](#) Potential of Reducing the NO_x Emissions in a Spray Guided DI Gasoline Engine by Stratified Exhaust Gas Recirculation (EGR)
- [2006-01-1262](#) A Study of Combustion Structure and Implications on Post-Oxidation Under Homogeneous and Stratified Operation in a DISI Engine
- [2006-01-1263](#) Particulate Matter and Hydrocarbon Emissions Measurements: Comparing First and Second Generation DISI with PFI in Single Cylinder Optical Engines
- [2006-01-1264](#) A Multi-Variable High-Speed Imaging Study of Ignition Instabilities in a Spray-Guided Direct-Injected Spark-Ignition Engine
- [2006-01-1265](#) Potentials of the Spray-Guided BMW DI Combustion System
- [2006-01-1266](#) The Turbocharged GDI Engine: Boosted Synergies for High Fuel Economy Plus Ultra-Low Emissions