

Hua Zhao

List of Publications by Year in descending order

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180
papers

4,206
citations

236925

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1864
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetics of Low-Temperature Plasma-Assisted Ignition of Ethanol-Gasoline Surrogate under Gasoline Engine like Conditions. <i>Combustion Science and Technology</i> , 2023, 195, 2750-2773.	2.3	2
2	The effects of natural gas composition on conventional dual-fuel and reactivity-controlled compression ignition combustion in a heavy-duty diesel engine. <i>International Journal of Engine Research</i> , 2022, 23, 397-415.	2.3	11
3	Modelling Study of Cycle-To-Cycle Variations (CCV) in Spark Ignition (SI)-Controlled Auto-Ignition (CAI) Hybrid Combustion Engine by Using Reynolds-Averaged Navier–Stokes (RANS) and Large Eddy Simulation (LES). <i>Energies</i> , 2022, 15, 4478.	3.1	1
4	Effect of piston shape design on the scavenging performance and mixture preparation in a two-stroke boosted uniflow scavenged direct injection gasoline engine. <i>International Journal of Engine Research</i> , 2021, 22, 1484-1499.	2.3	8
5	Numerical study of the effect of split direct injection on the lean-burn combustion characteristics in a poppet-valve two-stroke gasoline engine at high loads. <i>International Journal of Engine Research</i> , 2021, 22, 1776-1793.	2.3	1
6	Study on micro-flame ignited (MFI) hybrid combustion characteristics of a dual-fuel optical engine at different lambdas. <i>Fuel</i> , 2021, 290, 119796.	6.4	7
7	Multi-point micro-flame ignited hybrid lean-burn combustion of gasoline with direct injection dimethyl ether. <i>International Journal of Engine Research</i> , 2021, 22, 140-151.	2.3	5
8	The comparison between traditional spark ignition and micro flame ignition in gasoline high dilution combustion. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2021, 235, 2242-2252.	1.9	1
9	Miller cycle combined with exhaust gas recirculation and post-fuel injection for emissions and exhaust gas temperature control of a heavy-duty diesel engine. <i>International Journal of Engine Research</i> , 2020, 21, 1381-1397.	2.3	23
10	Variable valve actuation-based combustion control strategies for efficiency improvement and emissions control in a heavy-duty diesel engine. <i>International Journal of Engine Research</i> , 2020, 21, 578-591.	2.3	12
11	Effect of direct injection dimethyl ether on the micro-flame ignited (MFI) hybrid combustion characteristics of an optical gasoline engine at ultra-lean conditions. <i>Fuel Processing Technology</i> , 2020, 203, 106383.	7.2	13
12	The effects of residual gas trapping on part load performance and emissions of a spark ignition direct injection engine fuelled with wet ethanol. <i>Applied Energy</i> , 2019, 253, 113508.	10.1	20
13	A High-Efficiency Two-Stroke Engine Concept: The Boosted Uniflow Scavenged Direct-Injection Gasoline (BUSDIG) Engine with Air Hybrid Operation. <i>Engineering</i> , 2019, 5, 535-547.	6.7	15
14	The effective use of ethanol for GHG emissions reduction in a dual-fuel engine. <i>Proceedings</i> , 2019, , 175-189.	0.3	2
15	Numerical study of the mixture formation and stratified-flame-induced auto-ignition (SFI) combustion processes in a poppet-valve two-stroke direct injection gasoline engine. <i>Applied Thermal Engineering</i> , 2019, 152, 654-665.	6.0	14
16	Combustion and emissions of gasoline, anhydrous ethanol, and wet ethanol in an optical engine with a turbulent jet ignition system. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2019, 233, 3528-3537.	1.9	12
17	Experimental investigation of the air-fuel charging process in a four-valve supercharged two-stroke cycle GDI engine. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	5
18	Control and optimization of spark ignition-controlled auto-ignition hybrid combustion based on stratified flame ignition. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2019, 233, 3057-3073.	1.9	3

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19	Analysis of mixture formation process in a two-stroke boosted uniflow scavenged direct injection gasoline engine. <i>International Journal of Engine Research</i> , 2018, 19, 927-940.	2.3	9
20	Improvement in high load ethanol-diesel dual-fuel combustion by Miller cycle and charge air cooling. <i>Applied Energy</i> , 2018, 210, 138-151.	10.1	48
21	Analysis of the effect of bore/stroke ratio and scavenge port angles on the scavenging process in a two-stroke boosted uniflow scavenged direct injection gasoline engine. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2018, 232, 1799-1814.	1.9	4
22	High efficiency ethanol-diesel dual-fuel combustion: A comparison against conventional diesel combustion from low to full engine load. <i>Fuel</i> , 2018, 230, 440-451.	6.4	82
23	Investigation of performance and combustion characteristics of a four-valve supercharged two-stroke DI engine fuelled with gasoline and ethanol. <i>Fuel</i> , 2018, 227, 401-411.	6.4	21
24	Analysis of scavenge port designs and exhaust valve profiles on the in-cylinder flow and scavenging performance in a two-stroke boosted uniflow scavenged direct injection gasoline engine. <i>International Journal of Engine Research</i> , 2018, 19, 509-527.	2.3	11
25	Exploring the mid-load potential of ethanol-diesel dual-fuel combustion with and without EGR. <i>Applied Energy</i> , 2017, 193, 263-275.	10.1	55
26	Effect of direct injection dimethyl ether on the micro-flame ignited (MFI) hybrid combustion and emission characteristics of a 4-stroke gasoline engine. <i>Fuel Processing Technology</i> , 2017, 167, 555-562.	7.2	17
27	Investigations into the Influence of Dimethyl Ether Micro Flame Ignition on the Combustion and Cyclic Variation Characteristics of Flame Propagation/Auto-Ignition Hybrid Combustion in an Optical Engine. <i>Combustion Science and Technology</i> , 2017, 189, 453-477.	2.3	13
28	Multi-Cycle Large Eddy Simulation (LES) of the Cycle-to-Cycle Variation (CCV) of Spark Ignition (SI) - Controlled Auto-Ignition (CAI) Hybrid Combustion in a Gasoline Engine. , 2017, , .		3
29	Experimental Comparison between Stratified Flame Ignition and Micro Flame Ignition in a Gasoline SI-CAI Hybrid Combustion Engine. , 2017, , .		3
30	Engine Downsizing through Two-Stroke Operation in a Four-Valve GDI Engine. , 2016, , .		6
31	Effects of Oxygen Content of Fuels on Combustion and Emissions of Diesel Engines. <i>Energies</i> , 2016, 9, 28.	3.1	56
32	Potential of internal EGR and throttled operation for low load extension of ethanol-diesel dual-fuel reactivity controlled compression ignition combustion on a heavy-duty engine. <i>Fuel</i> , 2016, 179, 391-405.	6.4	73
33	Start-of-injection-based software optimization for consistency between the cylinders in common-rail diesel engines. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2016, 230, 709-720.	1.9	5
34	Effects of ethanol on combustion and emissions of a gasoline engine operating with different combustion modes. <i>International Journal of Engine Research</i> , 2016, 17, 998-1011.	2.3	12
35	Performance and economic analysis of a direct injection spark ignition engine fueled with wet ethanol. <i>Applied Energy</i> , 2016, 169, 230-239.	10.1	64
36	Influences of intake ports and pent-roof structures on the flow characteristics of a poppet-valved two-stroke gasoline engine. <i>International Journal of Engine Research</i> , 2016, 17, 1077-1091.	2.3	11

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37	Combustion characteristics of a gasoline engine with independent intake port injection and direct injection systems for n-butanol and gasoline. <i>Energy Conversion and Management</i> , 2016, 124, 556-565.	9.2	37
38	Effects of valve timing, valve lift and exhaust backpressure on performance and gas exchanging of a two-stroke GDI engine with overhead valves. <i>Energy Conversion and Management</i> , 2016, 123, 71-83.	9.2	50
39	A comparison of butanol and ethanol flame development in an optical spark ignition engine. <i>Fuel</i> , 2016, 170, 27-38.	6.4	23
40	Effect of dilution strategies and direct injection ratios on stratified flame ignition (SFI) hybrid combustion in a PFI/DI gasoline engine. <i>Applied Energy</i> , 2016, 165, 801-814.	10.1	16
41	Experimental analysis of ethanol dual-fuel combustion in a heavy-duty diesel engine: An optimisation at low load. <i>Applied Energy</i> , 2016, 165, 166-182.	10.1	78
42	Comparison of Performance, Efficiency and Emissions between Gasoline and E85 in a Two-Stroke Poppet Valve Engine with Lean Boost CAI Operation. , 2015, , .		3
43	Experimental Investigation on DME Assisted Gasoline CAI/HCCI Combustion with Intake Re-Breathing Valve Strategy. , 2015, , .		4
44	Effect of piston shapes and fuel injection strategies on stoichiometric stratified flame ignition (SFI) hybrid combustion in a PFI/DI gasoline engine by numerical simulations. <i>Energy Conversion and Management</i> , 2015, 98, 387-400.	9.2	39
45	Comparison of combustion characteristics of n-butanol/ethanol-gasoline blends in a HCCI engine. <i>Energy Conversion and Management</i> , 2015, 95, 101-109.	9.2	71
46	Experimental studies of the air hybrid engine charging operation. <i>International Journal of Engine Research</i> , 2015, 16, 925-934.	2.3	2
47	Effect of air dilution and effective compression ratio on the combustion characteristics of a HCCI (homogeneous charge compression ignition) engine fuelled with n-butanol. <i>Energy</i> , 2015, 85, 296-303.	8.8	49
48	Investigations into the influence of internal and external exhaust gas recirculation on the combustion stability in an optical gasoline spark ignition engine. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2015, 229, 1514-1528.	1.9	10
49	Turbulent flame boundary and structure detection in an optical DISI engine using tracer-based two-line PLIF technique. <i>Experimental Thermal and Fluid Science</i> , 2015, 68, 545-558.	2.7	6
50	High load performance and combustion analysis of a four-valve direct injection gasoline engine running in the two-stroke cycle. <i>Applied Energy</i> , 2015, 159, 117-131.	10.1	28
51	Computational study of the influence of in-cylinder flow on spark ignition-controlled auto-ignition hybrid combustion in a gasoline engine. <i>International Journal of Engine Research</i> , 2015, 16, 795-809.	2.3	16
52	Thermal and chemical effects of fuel direct injection on kinetically controlled combustion of alcohol and gasoline fuels. <i>International Journal of Engine Research</i> , 2015, 16, 982-993.	2.3	3
53	Analysis of cyclic variations during mode switching between spark ignition and controlled auto-ignition combustion operations. <i>International Journal of Engine Research</i> , 2015, 16, 356-365.	2.3	17
54	Combustion and Emission Characteristics of a HCCI Engine Fuelled with Different n-Butanol-Gasoline Blends. , 2014, , .		2

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55	Lubricant Induced Pre-Ignition in an Optical SI Engine. , 2014, , .		44
56	Optimisation of boosting strategy for controlled auto-ignition combustion in a four-valve camless gasoline direct injection engine running in two-stroke cycle. International Journal of Engine Research, 2014, 15, 850-861.	2.3	6
57	Gas Sampling Analysis of A Low-Temperature Compression Ignition Reaction Process in an Engine Fueled with Methanol and Gasoline. International Journal of Green Energy, 2014, 11, 329-343.	3.8	2
58	Experimental investigation of direct injection charge cooling in optical GDI engine using tracer-based PLIF technique. Experimental Thermal and Fluid Science, 2014, 59, 96-108.	2.7	21
59	Combustion and emission characteristics of a n-butanol HCCI engine. Fuel, 2014, 115, 758-764.	6.4	72
60	Methods to achieve HCCI/CAI combustion at idle operation in a 4VVAS gasoline engine. Applied Energy, 2014, 116, 41-51.	10.1	21
61	Application of a hybrid breakup model for the spray simulation of a multi-hole injector used for a DISI gasoline engine. Applied Thermal Engineering, 2014, 65, 282-292.	6.0	28
62	CHEMICAL EFFECTS OF THE INCOMPLETE-OXIDATION PRODUCTS IN RESIDUAL GAS ON THE GASOLINE HCCI AUTO-IGNITION. Combustion Science and Technology, 2014, 186, 273-296.	2.3	15
63	Low-Temperature Combustion Characteristics of a <i>n</i> -Butanol/Isooctane HCCI Engine. Energy & Fuels, 2014, 28, 4183-4192.	5.1	14
64	Investigation of combustion, performance and emission characteristics of 2-stroke and 4-stroke spark ignition and CAI/HCCI operations in a DI gasoline. Applied Energy, 2014, 130, 244-255.	10.1	46
65	Investigation on gasoline homogeneous charge compression ignition (HCCI) combustion implemented by residual gas trapping combined with intake preheating through waste heat recovery. Energy Conversion and Management, 2014, 86, 8-19.	9.2	29
66	CAI combustion of gasoline and its mixture with ethanol in a 2-stroke poppet valve DI gasoline engine. Fuel, 2013, 109, 661-668.	6.4	29
67	Combustion and emission characteristics of a HCCI engine fuelled with n-butanol“gasoline blends. Fuel, 2013, 108, 668-674.	6.4	97
68	A study of mechanical variable valve operation with gasoline“alcohol fuels in a spark ignition engine. Fuel, 2013, 106, 802-813.	6.4	36
69	Inert-droplet and combustion effects on turbulence in a diluted diffusion flame. Combustion and Flame, 2013, 160, 366-383.	5.2	12
70	Simultaneous imaging of diesel spray atomisation and evaporation processes in a single-cylinder CR diesel engine. Experimental Thermal and Fluid Science, 2013, 50, 10-20.	2.7	8
71	Improved acid tolerance of <i>Lactobacillus pentosus</i> by error-prone whole genome amplification. Bioresource Technology, 2013, 135, 459-463.	9.6	38
72	Effect of the thermal stratification on Sl“CAI hybrid combustion in a gasoline engine. Applied Thermal Engineering, 2013, 61, 451-460.	6.0	16

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73	Combustion and emission analysis of the direct DME injection enabled and controlled auto-ignition gasoline combustion engine operation. <i>Fuel</i> , 2013, 107, 800-814.	6.4	17
74	Combustion and emission characteristics of alcohol fuels in a CAI engine. <i>Fuel</i> , 2013, 104, 386-397.	6.4	14
75	Study on spark assisted compression ignition (SACI) combustion with positive valve overlap at medium-high load. <i>Applied Energy</i> , 2013, 101, 622-633.	10.1	47
76	The effects of intake backflow on in-cylinder situation and auto ignition in a gasoline controlled auto ignition engine. <i>Applied Energy</i> , 2013, 101, 756-764.	10.1	14
77	Numerical simulation and validation of SI-CAI hybrid combustion in a CAI/HCCI gasoline engine. <i>Combustion Theory and Modelling</i> , 2013, 17, 142-166.	1.9	11
78	Naturally aspirated and boosted controlled auto-ignition combustion with positive valve overlap in a four-stroke gasoline engine. <i>International Journal of Engine Research</i> , 2013, 14, 496-511.	2.3	6
79	Lean boost CAI combustion in a 2-stroke poppet valve GDI engine. , 2013, , 169-177.		3
80	A simple and efficient mild air hybrid engine concept and its performance analysis. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2013, 227, 120-136.	1.9	7
81	Development of a high-speed two-colour system and its application to in-cylinder diesel combustion temperature and soot measurements with split injections. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2012, 226, 684-697.	1.9	3
82	Measurement of short-circuiting and its effect on the controlled autoignition or homogeneous charge compression ignition combustion in a two-stroke poppet valve engine. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2012, 226, 1110-1118.	1.9	19
83	Analysis of a novel mild air hybrid engine technology, RegenEBD, for buses and commercial vehicles. <i>International Journal of Engine Research</i> , 2012, 13, 274-286.	2.3	12
84	Analysis of the effect of direct injection of alcohol fuel on minor heat release reactions and controlled autoignition combustion. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2012, 226, 1678-1688.	1.9	1
85	2-Stroke CAI Combustion Operation in a GDI Engine with Poppet Valves. , 2012, , .		10
86	In-Cylinder Studies of CAI/HCCI Combustion with Negative Valve Overlap in a Direct Injection Gasoline Optical Engine. <i>Combustion Science and Technology</i> , 2011, 183, 467-486.	2.3	9
87	Experiment and Analysis of a Direct Injection Gasoline Engine Operating with 2-stroke and 4-stroke Cycles of Spark Ignition and Controlled Auto-Ignition Combustion. , 2011, , .		16
88	Effects of Injection Timing on CAI Operation in a 2/4-Stroke Switchable GDI Engine. <i>SAE International Journal of Engines</i> , 2011, 5, 67-75.	0.4	19
89	Analysis of an air hybrid engine concept with an energy recovery valve. <i>International Journal of Vehicle Design</i> , 2011, 55, 49.	0.3	4
90	Dynamic Large-Eddy Simulation of Droplet Effects on a Reacting Plume in Countercurrent Configuration. <i>Combustion Science and Technology</i> , 2011, 183, 487-518.	2.3	5

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91	Increase of ethanol tolerance of <i>Saccharomyces cerevisiae</i> by error-prone whole genome amplification. <i>Biotechnology Letters</i> , 2011, 33, 1007-1011.	2.2	15
92	Theoretical and experimental studies of air-hybrid engine operation with fully variable valve actuation. <i>International Journal of Engine Research</i> , 2011, 12, 527-548.	2.3	7
93	Analysis of a production-oriented air hybrid engine concept and its performance. <i>International Journal of Powertrains</i> , 2011, 1, 43.	0.3	3
94	A Low Cost Air Hybrid Concept. <i>Oil and Gas Science and Technology</i> , 2010, 65, 19-26.	1.4	7
95	The Performance Characteristics of an Production Oriented Air Hybrid Powertrain. <i>SAE International Journal of Engines</i> , 2010, 3, 609-619.	0.4	6
96	Combustion Characteristics of CAI Combustion with Alcohol Fuels. , 2010, , .		17
97	Direct injection gasoline engines with autoignition combustion. , 2010, , 133-165.		4
98	Effect of the dwell angle of split injection in a single-cylinder optical diesel engine. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2010, 224, 815-828.	1.9	5
99	Analysis of a Cost Effective Air Hybrid Concept. , 2009, , .		8
100	Investigation of CAI Combustion with Positive Valve Overlap and Enlargement of CAI Operating Range. , 2009, , .		8
101	Experiment Study of Stratified Combustion at Different Boost Pressure. , 2009, , .		0
102	Assessment of large-eddy simulation feasibility in modelling the unsteady diesel fuel injection and mixing in a highspeed direct-injection engine. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2009, 223, 1033-1048.	1.9	11
103	Effects of spark-assistance on controlled auto-ignition combustion at different injection timings in a multicylinder direct-injection gasoline engine. <i>International Journal of Engine Research</i> , 2009, 10, 133-148.	2.3	18
104	Investigation of SI-HCCI Hybrid Combustion and Control Strategies for Combustion Mode Switching in a Four-Stroke Gasoline Engine. <i>Combustion Science and Technology</i> , 2009, 181, 782-799.	2.3	33
105	Investigation of transition between spark ignition and controlled auto-ignition combustion in a V6 direct-injection engine with cam profile switching. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2008, 222, 1911-1926.	1.9	12
106	Studies of the Control of In-cylinder Inhomogeneities in a 4VVAS Gasoline Engine. , 2008, , .		3
107	CAI Combustion with Methanol and Ethanol in an Air-Assisted Direct Injection SI Engine. , 2008, , .		11
108	Two-phase fuel distribution measurements in a gasoline direct injection engine with an air-assisted injector using advanced optical diagnostics. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2007, 221, 663-673.	1.9	14

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109	Managing controlled auto-ignition combustion by injection on a direct-injection gasoline engine. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2007, 221, 1125-1137.	1.9	4
110	Analysis of Controlled Auto-Ignition/HCCI Combustion in a Direct Injection Gasoline Engine with Single and Split Fuel Injections. Combustion Science and Technology, 2007, 180, 176-205.	2.3	15
111	Parametric Study on CAI Combustion in a GDI Engine with an Air-Assisted Injector. , 2007, , .		7
112	Study of SI-HCCI-SI Transition on a Port Fuel Injection Engine Equipped with 4VVAS. , 2007, , .		23
113	Investigation into Controlled Auto-Ignition Combustion in a GDI Engine with Single and Split Fuel Injections. , 2007, , .		11
114	Motivation, definition and history of HCCI/CAI engines. , 2007, , 1-18.		19
115	HCCI and CAI engines for the automotive industry. , 2007, , .		85
116	The Combustion and Emission Characteristics of Ethanol on a Port Fuel Injection HCCI Engine. , 2006, , .		22
117	Simulation of the air/fuel mixing of an HSDI diesel engine. Part 1: A new dense spray vapour coupling submodel. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2006, 220, 1793-1805.	1.9	3
118	Numerical Investigation Into Effect of Fuel Injection Timing on CAI/HCCI Combustion in a Four-Stroke GDI Engine. International Journal for Computational Methods in Engineering Science and Mechanics, 2006, 7, 41-57.	2.1	1
119	Evaluating the EGR-AFR Operating Range of a HCCI Engine. , 2005, , .		40
120	Control of CAI Combustion Through Injection Timing in a GDI Engine With an Air-Assisted Injector. , 2005, , .		10
121	Numerical Study of Effects of Fuel Injection Timings on CAI/HCCI Combustion in a Four-Stroke GDI Engine. , 2005, , .		2
122	A Combustion Heat Release Correlation for CAI Combustion Simulation in 4-Stroke Gasoline Engines. , 2005, , .		15
123	Effects of Injection Timing and Valve Timings on CAI Operation in a Multi-Cylinder DI Gasoline Engine. , 2005, , .		35
124	Development of a fuel stratification spark ignition engine. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2005, 219, 923-934.	1.9	14
125	Understanding the influence of valve timings on controlled autoignition combustion in a four-stroke port fuel injection engine. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2005, 219, 807-823.	1.9	18
126	Computational fluid dynamics study of the effects of the re-entrant lip shape and toroidal radii of piston bowl on a high-speed direct-injection diesel engine's performance and emissions. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2005, 219, 1011-1023.	1.9	6

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127	CHARACTERISTICS OF HOMOGENEOUS CHARGE COMPRESSION IGNITION (HCCI) COMBUSTION AND EMISSIONS OF n-HEPTANE. Combustion Science and Technology, 2005, 177, 2113-2150.	2.3	41
128	Mixture formation and controlled auto-ignition combustion in four-stroke gasoline engines with port and direct fuel injections. International Journal of Engine Research, 2005, 6, 311-329.	2.3	4
129	EFFECT OF RECYCLED BURNED GASES ON HOMOGENEOUS CHARGE COMPRESSION IGNITION COMBUSTION. Combustion Science and Technology, 2005, 177, 1863-1882.	2.3	18
130	Investigation of the HCCI/CAI Combustion Process by 2-D PLIF Imaging of Formaldehyde. , 2004, , .		10
131	Characterization of an in-cylinder flow structure in a high-tumble spark ignition engine. International Journal of Engine Research, 2004, 5, 375-400.	2.3	30
132	Experimental Studies on Controlled Auto-ignition (CAI) Combustion of Gasoline in a 4-Stroke Engine. , 2001, , .		110
133	Quantitative investigation of soot distribution by laser-induced incandescence. Applied Optics, 2000, 39, 5012.	2.1	47
134	Optical diagnostics for soot and temperature measurement in diesel engines. Progress in Energy and Combustion Science, 1998, 24, 221-255.	31.2	384
135	A Light Scattering Instrument for Sizing Mixtures of small and large particles. Particle and Particle Systems Characterization, 1996, 13, 137-142.	2.3	2
136	Innovative Ultra-low NOx Controlled Auto-Ignition Combustion Process for Gasoline Engines: the 4-SPACE Project. , 0, , .		128
137	Dilution Effects on the Controlled Auto-Ignition (CAI) Combustion of Hydrocarbon and Alcohol Fuels. , 0, , .		58
138	Understanding the Effects of Recycled Burnt Gases on the Controlled Autoignition (CAI) Combustion in Four-Stroke Gasoline Engines. , 0, , .		99
139	Research and Development of Controlled Auto-Ignition (CAI) Combustion in a 4-Stroke Multi-Cylinder Gasoline Engine. , 0, , .		100
140	Performance and Analysis of a 4-Stroke Multi-Cylinder Gasoline Engine with CAI Combustion. , 0, , .		140
141	Effects of Air/Fuel Ratios and EGR Rates on HCCI Combustion of n-heptane, a Diesel Type Fuel. , 0, , .		46
142	Effects of Intake Valve Timing on Premixed Gasoline Engine with CAI Combustion. , 0, , .		14
143	The Effect of Spark Ignition on the CAI Combustion Operation. , 0, , .		18
144	Development of a Two-Stroke/Four-Stroke Switching Gasoline Engine - The 2/4SIGHT Concept. , 0, , .		43

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145	An Experimental Study on HCCI Combustion in a Four-Stroke Gasoline Engine with Reduced Valve Lift Operations. , 0, , .		8
146	Effects of Ignition Timing on CAI Combustion in a Multi-Cylinder DI Gasoline Engine. , 0, , .		6
147	Control Strategies for Steady and Transient Operation of a 4-Stroke Gasoline Engine with CAI Combustion Using a 4-Variable Valve Actuating System (4VVAS). , 0, , .		18
148	Comparison of HCCI Combustion Respectively Fueled with Gasoline, Ethanol and Methanol through the Trapped Residual Gas Strategy. , 0, , .		47
149	Effect of Injection Timing on Mixture and CAI Combustion in a GDI Engine with an Air-Assisted Injector. , 0, , .		16
150	Investigation into the Effect of Injection Timing on Stoichiometric and Lean CAI Operations in a 4-Stroke GDI Engine. , 0, , .		14
151	CFD Study on Effects of Thermal and Residual Gas Inhomogeneous Distribution on Auto-ignition of Gasoline HCCI Combustion. , 0, , .		6
152	Continuous Load Adjustment Strategy of a Gasoline HCCI-SI Engine Fully Controlled by Exhaust Gas. , 0, , .		25
153	Expanding the Low Load Limit of HCCI Combustion Process Using EIVO Strategy in a 4VVAS Gasoline Engine. , 0, , .		7
154	Direct In-cylinder CO ₂ Measurements of Residual Gas in a GDI Engine for Model Validation and HCCI Combustion Development. , 0, , .		5
155	A Study of Turbulent Flame Development with Ethanol Fuels in an Optical Spark Ignition Engine. , 0, , .		11
156	Effect of Valve Timing and Residual Gas Dilution on Flame Development Characteristics in a Spark Ignition Engine. SAE International Journal of Engines, 0, 7, 488-499.	0.4	8
157	Effect of Flame Propagation on the Auto-Ignition Timing in SI-CAI Hybrid Combustion (SCHC). , 0, , .		2
158	Numerical Study of the Effect of Piston Shapes and Fuel Injection Strategies on In-Cylinder Conditions in a PFI/GDI Gasoline Engine. SAE International Journal of Engines, 0, 7, 1888-1899.	0.4	20
159	The Modeling and Design of a Boosted Uniflow Scavenged Direct Injection Gasoline (BUSDIG) Engine. , 0, , .		8
160	Reduction of Methane Slip Using Premixed Micro Pilot Combustion in a Heavy-Duty Natural Gas-Diesel Engine. , 0, , .		16
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