

Yao Mingfa

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232
papers

8,306
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47
h-index

83
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237
ext. papers

9,721
ext. citations

6
avg, IF

6.52
L-index

#	Paper	IF	Citations
232	Progress and recent trends in homogeneous charge compression ignition (HCCI) engines. <i>Progress in Energy and Combustion Science</i> , 2009 , 35, 398-437	33.6	849
231	Progress in the production and application of n-butanol as a biofuel. <i>Renewable and Sustainable Energy Reviews</i> , 2011 , 15, 4080-4106	16.2	688
230	Experimental study of n-butanol additive and multi-injection on HD diesel engine performance and emissions. <i>Fuel</i> , 2010 , 89, 2191-2201	7.1	280
229	A Review on the Pd-Based Three-Way Catalyst. <i>Catalysis Reviews - Science and Engineering</i> , 2015 , 57, 79-146	14.6	174
228	Development of an n-heptane-n-butanol-PAH mechanism and its application for combustion and soot prediction. <i>Combustion and Flame</i> , 2013 , 160, 504-519	5.3	167
227	Experimental investigation of the effects of diesel injection strategy on gasoline/diesel dual-fuel combustion. <i>Applied Energy</i> , 2013 , 109, 202-212	10.7	160
226	Experimental study on combustion and emission characteristics of a diesel engine fueled with 2,5-dimethylfuran/diesel, n-butanol/diesel and gasoline/diesel blends. <i>Energy</i> , 2013 , 54, 333-342	7.9	159
225	Effect of two-stage injection on combustion and emissions under high EGR rate on a diesel engine by fueling blends of diesel/gasoline, diesel/n-butanol, diesel/gasoline/n-butanol and pure diesel. <i>Energy Conversion and Management</i> , 2015 , 90, 1-11	10.6	154
224	Effects of n-butanol, 2-butanol, and methyl octynoate addition to diesel fuel on combustion and emissions over a wide range of exhaust gas recirculation (EGR) rates. <i>Applied Energy</i> , 2013 , 112, 246-256	10.7	134
223	Development of a Reduced Primary Reference Fuel Mechanism for Internal Combustion Engine Combustion Simulations. <i>Energy & Fuels</i> , 2013 , 27, 7843-7853	4.1	133
222	A reduced toluene reference fuel chemical kinetic mechanism for combustion and polycyclic-aromatic hydrocarbon predictions. <i>Combustion and Flame</i> , 2015 , 162, 2390-2404	5.3	126
221	Experimental study on diesel conventional and low temperature combustion by fueling four isomers of butanol. <i>Fuel</i> , 2015 , 141, 109-119	7.1	125
220	Effects of diesel/PODE (polyoxymethylene dimethyl ethers) blends on combustion and emission characteristics in a heavy duty diesel engine. <i>Fuel</i> , 2016 , 177, 206-216	7.1	125
219	Soot Emissions of Various Oxygenated Biofuels in Conventional Diesel Combustion and Low-Temperature Combustion Conditions. <i>Energy & Fuels</i> , 2012 , 26, 1900-1911	4.1	115
218	Experimental and simulation investigation of the combustion characteristics and emissions using n-butanol/biodiesel dual-fuel injection on a diesel engine. <i>Energy</i> , 2014 , 74, 741-752	7.9	114
217	Experimental study of n-butanol addition on performance and emissions with diesel low temperature combustion. <i>Energy</i> , 2012 , 47, 515-521	7.9	114
216	Comparison of Ethanol and Butanol as Additives in Soybean Biodiesel Using a Constant Volume Combustion Chamber. <i>Energy & Fuels</i> , 2011 , 25, 1837-1846	4.1	110

215	Study of the control strategies on soot reduction under early-injection conditions on a diesel engine. <i>Fuel</i> , 2015 , 139, 472-481	7.1	102
214	Experimental study of RCCI combustion and load extension in a compression ignition engine fueled with gasoline and PODE. <i>Fuel</i> , 2016 , 181, 878-886	7.1	102
213	Experimental study on combustion and emissions of dual fuel RCCI mode fueled with biodiesel/n-butanol, biodiesel/2,5-dimethylfuran and biodiesel/ethanol. <i>Energy</i> , 2018 , 148, 824-838	7.9	97
212	Experimental and numerical study on different dual-fuel combustion modes fuelled with gasoline and diesel. <i>Applied Energy</i> , 2014 , 113, 722-733	10.7	96
211	Combustion and emissions of 2,5-dimethylfuran addition on a diesel engine with low temperature combustion. <i>Fuel</i> , 2013 , 103, 730-735	7.1	94
210	Soot reduction effects of the addition of four butanol isomers on partially premixed flames of diesel surrogates. <i>Combustion and Flame</i> , 2017 , 177, 123-136	5.3	84
209	Experimental study on combustion and emissions of n-butanol/biodiesel under both blended fuel mode and dual fuel RCCI mode. <i>Fuel</i> , 2018 , 226, 240-251	7.1	83
208	Study on the controlling strategies of homogeneous charge compression ignition combustion with fuel of dimethyl ether and methanol. <i>Fuel</i> , 2006 , 85, 2046-2056	7.1	83
207	Experimental study on the combustion and emissions fueling biodiesel/n-butanol, biodiesel/ethanol and biodiesel/2,5-dimethylfuran on a diesel engine. <i>Energy</i> , 2016 , 115, 539-549	7.9	81
206	Combustion Characteristics and Soot Distributions of Neat Butanol and Neat Soybean Biodiesel. <i>Energy & Fuels</i> , 2011 , 25, 3192-3203	4.1	81
205	Laser diagnostics and chemical kinetic analysis of PAHs and soot in co-flow partially premixed flames using diesel surrogate and oxygenated additives of n-butanol and DMF. <i>Combustion and Flame</i> , 2018 , 188, 129-141	5.3	75
204	Effects of Inlet Pressure and Octane Numbers on Combustion and Emissions of a Homogeneous Charge Compression Ignition (HCCI) Engine. <i>Energy & Fuels</i> , 2008 , 22, 2207-2215	4.1	70
203	A parametric study for enabling reactivity controlled compression ignition (RCCI) operation in diesel engines at various engine loads. <i>Applied Energy</i> , 2016 , 175, 389-402	10.7	68
202	Effects of fuel properties on combustion and emissions under both conventional and low temperature combustion mode fueling 2,5-dimethylfuran/diesel blends. <i>Energy</i> , 2013 , 62, 215-223	7.9	65
201	A numerical investigation on methane combustion and emissions from a natural gas-diesel dual fuel engine using CFD model. <i>Applied Energy</i> , 2017 , 205, 153-162	10.7	65
200	Development of a combined reduced primary reference fuel-alcohols (methanol/ethanol/propanols/butanols/n-pentanol) mechanism for engine applications. <i>Energy</i> , 2016 , 114, 542-558	7.9	64
199	Optical study of spray-wall impingement impact on early-injection gasoline partially premixed combustion at low engine load. <i>Applied Energy</i> , 2017 , 185, 708-719	10.7	62
198	Study on ignition and flame development in gasoline partially premixed combustion using multiple optical diagnostics. <i>Combustion and Flame</i> , 2017 , 177, 98-108	5.3	61

197	Influence of temperature and mixture stratification on HCCI combustion using chemiluminescence images and CFD analysis. <i>Applied Thermal Engineering</i> , 2012 , 33-34, 135-143	5.8	60
196	Time-resolved spray, flame, soot quantitative measurement fueling n-butanol and soybean biodiesel in a constant volume chamber under various ambient temperatures. <i>Fuel</i> , 2014 , 133, 317-325	7.1	59
195	Experimental and numerical study on suitable diesel fuel surrogates in low temperature combustion conditions. <i>Fuel</i> , 2012 , 97, 621-629	7.1	58
194	Diesel Engine Combustion Control: Medium or Heavy EGR? 2010 ,		57
193	Multiple optical diagnostics on effect of fuel stratification degree on reactivity controlled compression ignition. <i>Fuel</i> , 2017 , 202, 688-698	7.1	56
192	Investigation on partially premixed combustion fueled with gasoline and PODE blends in a multi-cylinder heavy-duty diesel engine. <i>Fuel</i> , 2017 , 193, 101-111	7.1	56
191	A comparative study on partially premixed combustion (PPC) and reactivity controlled compression ignition (RCCI) in an optical engine. <i>Proceedings of the Combustion Institute</i> , 2019 , 37, 4759-4766	5.9	52
190	Development of an n-heptane/toluene/polyaromatic hydrocarbon mechanism and its application for combustion and soot prediction. <i>International Journal of Engine Research</i> , 2013 , 14, 434-451	2.7	52
189	Influence of Fuel and Operating Conditions on Combustion Characteristics of a Homogeneous Charge Compression Ignition Engine. <i>Energy & Fuels</i> , 2009 , 23, 1422-1430	4.1	51
188	Spray and flame characteristics of wall-impinging diesel fuel spray at different wall temperatures and ambient pressures in a constant volume combustion vessel. <i>Fuel</i> , 2019 , 235, 416-425	7.1	50
187	Regulated and unregulated emissions from a compression ignition engine under low temperature combustion fuelled with gasoline and n-butanol/gasoline blends. <i>Fuel</i> , 2014 , 120, 163-170	7.1	50
186	Development of a reduced toluene reference fuel (TRF)-2,5-dimethylfuran-polycyclic aromatic hydrocarbon (PAH) mechanism for engine applications. <i>Combustion and Flame</i> , 2016 , 165, 453-465	5.3	49
185	Effects of port injection of hydrous ethanol on combustion and emission characteristics in dual-fuel reactivity controlled compression ignition (RCCI) mode. <i>Energy</i> , 2018 , 145, 592-602	7.9	47
184	Charge stratification to control HCCI: Experiments and CFD modeling with n-heptane as fuel. <i>Fuel</i> , 2009 , 88, 354-365	7.1	47
183	Numerical study on the chemical reaction kinetics of n-heptane for HCCI combustion process. <i>Fuel</i> , 2006 , 85, 2605-2615	7.1	43
182	The Effect of PRF Fuel Octane Number on HCCI Operation 2004 ,		42
181	Experimental and Numerical Study of Methanol/Dimethyl Ether Dual-Fuel Compound Combustion. <i>Energy & Fuels</i> , 2009 , 23, 2719-2730	4.1	40
180	Preparation and NO _x -assisted soot oxidation activity of a CuO/FeO ₂ mixed oxide catalyst. <i>Chemical Engineering Science</i> , 2015 , 135, 294-300	4.4	37

179	Effects of temperature inhomogeneities on the HCCI combustion in an optical engine. <i>Applied Thermal Engineering</i> , 2011 , 31, 2549-2555	5.8	37
178	Experimental and modelling investigations of the diesel surrogate fuels in direct injection compression ignition combustion. <i>Applied Energy</i> , 2017 , 189, 187-200	10.7	36
177	Experimental investigation of the effects of diesel fuel properties on combustion and emissions on a multi-cylinder heavy-duty diesel engine. <i>Energy Conversion and Management</i> , 2018 , 171, 1787-1800	10.6	36
176	Diesel engine combustion and emissions of 2,5-dimethylfuran-diesel blends with 2-ethylhexyl nitrate addition. <i>Fuel</i> , 2013 , 111, 887-891	7.1	36
175	The development of low-carbon vehicles in China. <i>Energy Policy</i> , 2011 , 39, 5457-5464	7.2	36
174	Experimental Study on HCCI Combustion of Dimethyl Ether(DME)/Methanol Dual Fuel 2004 ,		36
173	Effects of six-carbon alcohols, ethers and ketones with chain or ring molecular structures on diesel low temperature combustion. <i>Energy Conversion and Management</i> , 2016 , 124, 480-491	10.6	36
172	Primary Combustion Intermediates in Lean and Rich Low-Pressure Premixed Laminar 2-Methylfuran/Oxygen/Argon Flames. <i>Energy & Fuels</i> , 2012 , 26, 6651-6660	4.1	35
171	A numerical investigation of the combustion kinetics of reactivity controlled compression ignition (RCCI) combustion in an optical engine. <i>Fuel</i> , 2019 , 241, 753-766	7.1	33
170	A theoretical and experimental study on the effects of parameters of two-stage turbocharging system on performance of a heavy-duty diesel engine. <i>Applied Thermal Engineering</i> , 2018 , 129, 822-832	5.8	32
169	Numerical Study of RCCI and HCCI Combustion Processes Using Gasoline, Diesel, iso-Butanol and DTBP Cetane Improver. <i>SAE International Journal of Engines</i> , 2015 , 8, 831-845	2.4	32
168	Thermodynamic analysis of hydrogen production for fuel cells from oxidative steam reforming of methanol. <i>Fuel</i> , 2012 , 97, 805-811	7.1	32
167	Effects of direct-injection fuel types and proportion on late-injection reactivity controlled compression ignition. <i>Combustion and Flame</i> , 2020 , 211, 445-455	5.3	32
166	Experimental and kinetic modeling study of a rich and a stoichiometric low-pressure premixed laminar 2,5-dimethylfuran/oxygen/argon flames. <i>Combustion and Flame</i> , 2015 , 162, 4586-4597	5.3	31
165	Pilot injection strategy management of gasoline compression ignition (GCI) combustion in a multi-cylinder diesel engine. <i>Fuel</i> , 2018 , 221, 116-127	7.1	30
164	Effects of late intake valve closing (LIVC) and re-breathing valve strategies on diesel engine performance and emissions at low loads. <i>Applied Thermal Engineering</i> , 2016 , 98, 310-319	5.8	30
163	Effects of diesel-ethanol-THF blend fuel on the performance and exhaust emissions on a heavy-duty diesel engine. <i>Fuel</i> , 2020 , 271, 117633	7.1	29
162	A semi-detailed chemical kinetic model of a gasoline surrogate fuel for internal combustion engine applications. <i>Fuel</i> , 2013 , 113, 347-356	7.1	29

161	Numerical Study of the RCCI Combustion Processes Fuelled with Methanol, Ethanol, n-Butanol and Diesel 2016 ,		29
160	A numerical study of spray/wall impingement based on droplet impact phenomenon. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 112, 401-412	4.9	27
159	Effects of Flame Temperature on PAHs and Soot Evolution in Partially Premixed and Diffusion Flames of a Diesel Surrogate. <i>Energy & Fuels</i> , 2019 , 33, 11821-11829	4.1	26
158	The effect of combustion chamber geometry on in-cylinder flow and combustion process in a stoichiometric operation natural gas engine with EGR. <i>Applied Thermal Engineering</i> , 2018 , 129, 199-211	5.8	26
157	Kinetic and Numerical Study on the Effects of Di-tert-butyl Peroxide Additive on the Reactivity of Methanol and Ethanol. <i>Energy & Fuels</i> , 2014 , 28, 5480-5488	4.1	26
156	Experimental and kinetic modeling studies of low-pressure premixed laminar 2-methylfuran flames. <i>Proceedings of the Combustion Institute</i> , 2017 , 36, 1295-1302	5.9	26
155	Effects of exhaust gas recirculation on low temperature combustion using wide distillation range diesel. <i>Energy</i> , 2013 , 51, 291-296	7.9	26
154	Experimental Study on Homogeneous Charge Compression Ignition Combustion With Fuel of Dimethyl Ether and Natural Gas. <i>Journal of Engineering for Gas Turbines and Power</i> , 2006 , 128, 414-420	1.7	26
153	Effects of charge concentration and reactivity stratification on combustion and emission characteristics of a PFI-DI dual injection engine under low load condition. <i>Fuel</i> , 2018 , 231, 26-36	7.1	25
152	A theoretical investigation of the effects of the low-temperature reforming products on the combustion of n-heptane in an HCCI engine and a constant volume vessel. <i>Applied Energy</i> , 2016 , 181, 132-139	10.7	24
151	Large eddy simulation of spray combustion using flamelet generated manifolds combined with artificial neural networks. <i>Energy and AI</i> , 2020 , 2, 100021	12.6	23
150	Investigation on the Potential of High Efficiency for Internal Combustion Engines. <i>Energies</i> , 2018 , 11, 513	3.1	23
149	Study on the flame development patterns and flame speeds from homogeneous charge to stratified charge by fueling n-heptane in an optical engine. <i>Combustion and Flame</i> , 2019 , 199, 213-229	5.3	23
148	Gasoline compression ignition operation on a multi-cylinder heavy duty diesel engine. <i>Fuel</i> , 2018 , 215, 339-351	7.1	23
147	The effects of LIVC Miller cycle on the combustion characteristics and thermal efficiency in a stoichiometric operation natural gas engine with EGR. <i>Applied Thermal Engineering</i> , 2017 , 122, 439-450	5.8	22
146	An investigation into the RCCI engine operation under low load and its achievable operational range at different engine speeds. <i>Energy Conversion and Management</i> , 2016 , 124, 399-413	10.6	22
145	Improvement of high load performance in gasoline compression ignition engine with PODE and multiple-injection strategy. <i>Fuel</i> , 2018 , 234, 1459-1468	7.1	22
144	Multidimensional Numerical Simulation on Dimethyl Ether/Methanol Dual-Fuel Homogeneous Charge Compression Ignition (HCCI) Engine Combustion and Emission Processes. <i>Energy & Fuels</i> , 2007 , 21, 812-821	4.1	22

143	Experimental investigations of gasoline partially premixed combustion with an exhaust rebreathing valve strategy at low loads. <i>Applied Thermal Engineering</i> , 2016 , 103, 832-841	5.8	22
142	Experimental and numerical investigation of the effects of combustion chamber reentrant level on combustion characteristics and thermal efficiency of stoichiometric operation natural gas engine with EGR. <i>Applied Thermal Engineering</i> , 2017 , 123, 1473-1483	5.8	21
141	N2O formation in the selective catalytic reduction of NOx with NH3 on a CeMoOx catalyst. <i>Applied Catalysis A: General</i> , 2015 , 505, 8-15	5.1	21
140	PAHs formation simulation in the premixed laminar flames of TRF with alcohol addition using a semi-detailed combustion mechanism. <i>Fuel</i> , 2015 , 155, 44-54	7.1	20
139	Effect of EGR on HCCI Combustion fuelled with Dimethyl Ether (DME) and Methanol Dual-Fuels 2005 ,		20
138	Optical diagnostics on the reactivity controlled compression ignition (RCCI) with micro direct-injection strategy. <i>Proceedings of the Combustion Institute</i> , 2019 , 37, 4767-4775	5.9	19
137	A theoretical study on the effects of thermal barrier coating on diesel engine combustion and emission characteristics. <i>Energy</i> , 2018 , 162, 744-752	7.9	18
136	An Experimental and Numerical Study on the Effects of Fuel Properties on the Combustion and Emissions of Low-Temperature Combustion Diesel Engines. <i>Combustion Science and Technology</i> , 2014 , 186, 1795-1815	1.5	18
135	Effects of Dual Loop EGR on Performance and Emissions of a Diesel Engine 2015 ,		18
134	Development of a reduced n-butanol/biodiesel mechanism for a dual fuel engine. <i>Fuel</i> , 2015 , 157, 87-96	7.1	18
133	Direct numerical simulation of n-heptane/air auto-ignition with thermal and charge stratifications under partially-premixed charge compression ignition (PCCI) engine related conditions. <i>Applied Thermal Engineering</i> , 2016 , 104, 516-526	5.8	18
132	Experimental and Modeling Investigations on Soot Formation of Ethanol, n-Butanol, 2,5-Dimethylfuran, and Biodiesel in Diesel Engines. <i>Energy & Fuels</i> , 2017 , 31, 12108-12119	4.1	17
131	Spray characteristics of gasoline/PODE and diesel/PODE blends in a constant volume chamber. <i>Applied Thermal Engineering</i> , 2019 , 159, 113850	5.8	17
130	Numerical study of spray micro-droplet impinging on dry/wet wall. <i>Applied Thermal Engineering</i> , 2016 , 95, 1-9	5.8	17
129	Experimental Study of Multiple Injections and Coupling Effects of Multi-Injection and EGR in a HD Diesel Engine 2009 ,		17
128	Effects of exhaust gas recirculation on combustion and emissions of a homogeneous charge compression ignition engine fuelled with primary reference fuels. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2007 , 221, 197-213	1.4	17
127	Turbocharged diesel/CNG Dual-fuel Engines with Intercooler: Combustion, Emissions and Performance 2003 ,		17
126	Experimental and numerical studies on three gasoline surrogates applied in gasoline compression ignition (GCI) mode. <i>Applied Energy</i> , 2017 , 192, 59-70	10.7	16

125	Effects of injection strategies on low-speed marine engines using the dual fuel of high-pressure direct-injection natural gas and diesel. <i>Energy Science and Engineering</i> , 2019 , 7, 1994-2010	3.4	16
124	Simultaneous Measurement of Natural Flame Luminosity and Emission Spectra in a RCCI Engine under Different Fuel Stratification Degrees. <i>SAE International Journal of Engines</i> , 2017 , 10, 1155-1162	2.4	16
123	Influence of fuel properties on multi-cylinder PPC operation over a wide range of EGR and operating conditions. <i>Fuel</i> , 2018 , 215, 352-362	7.1	16
122	The effects of DI fuel properties on the combustion and emissions characteristics of RCCI combustion. <i>Fuel</i> , 2018 , 227, 457-468	7.1	16
121	Optical diagnostics on the effects of fuel properties and coolant temperatures on combustion characteristic and flame development progress from HCCI to CDC via PPC. <i>Fuel</i> , 2020 , 269, 117441	7.1	15
120	Comparison of Diesel Combustion CFD Models and Evaluation of the Effects of Model Constants 2012 ,		15
119	Thermal efficiency improvement of PODE/Gasoline dual-fuel RCCI high load operation with EGR and air dilution. <i>Applied Thermal Engineering</i> , 2019 , 159, 113763	5.8	14
118	A Skeletal Mechanism of a Biodiesel Surrogate Fuel for Compression Ignition Engines. <i>Energy & Fuels</i> , 2015 , 29, 1160-1171	4.1	14
117	A Comparative Study on Different Dual-Fuel Combustion Modes Fuelled with Gasoline and Diesel 2012 ,		14
116	Spray and Combustion Characteristics of n-Butanol in a Constant Volume Combustion Chamber at Different Oxygen Concentrations 2011 ,		14
115	An Experimental Investigation on the Spray Characteristics of Dimethyl Ether(DME) 2001 ,		14
114	Numerical investigation of reactivity controlled compression ignition (RCCI) using different multi-component surrogate combinations of diesel and gasoline. <i>Applied Energy</i> , 2019 , 242, 462-479	10.7	13
113	Investigation on the dual-fuel active-thermal atmosphere combustion strategy based on optical diagnostics and numerical simulations. <i>Fuel</i> , 2020 , 276, 118023	7.1	13
112	A numerical study on the chemical kinetics process during auto-ignition of n-heptane in a direct injection compression ignition engine. <i>Applied Energy</i> , 2018 , 212, 909-918	10.7	13
111	A Reduced Chemical Kinetic Mechanism for Low Temperature Diesel Combustion and Soot Emissions. <i>Combustion Science and Technology</i> , 2014 , 186, 1975-1990	1.5	13
110	Experimental Study on High-Load Extension of Gasoline/PODE Dual-Fuel RCCI Operation Using Late Intake Valve Closing. <i>SAE International Journal of Engines</i> , 2017 , 10, 1482-1490	2.4	13
109	Low temperature combustion of ethylene in a carbon dioxide stream over a cordierite monolith-supported CuMn Hopcalite catalyst. <i>Applied Catalysis A: General</i> , 2012 , 427-428, 73-78	5.1	13
108	Study of dimethyl ether homogeneous charge compression ignition combustion process using a multi-dimensional computational fluid dynamics model. <i>International Journal of Thermal Sciences</i> , 2009 , 48, 1814-1822	4.1	13

107	EXPERIMENTAL STUDY ON HOMOGENEOUS CHARGE COMPRESSION IGNITION COMBUSTION WITH PRIMARY REFERENCE FUEL. <i>Combustion Science and Technology</i> , 2007 , 179, 2539-2559	1.5	13
106	A comparative numerical investigation of reactivity controlled compression ignition combustion using Large Eddy Simulation and Reynolds-Averaged Navier-Stokes approaches. <i>Fuel</i> , 2019 , 257, 116023	7.1	12
105	Direct numerical simulation of H ₂ /air combustion with composition stratification in a constant volume enclosure relevant to HCCI engines. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 13758-13770	6.7	12
104	Study on Fuel Distribution of Wall-Impinging Diesel Spray under Different Wall Temperatures by Laser-Induced Exciplex Fluorescence (LIEF). <i>Energies</i> , 2018 , 11, 1249	3.1	12
103	Reaction Mechanisms and HCCI Combustion Processes of Mixtures of n-Heptane and the Butanols. <i>Frontiers in Mechanical Engineering</i> , 2015 , 1,	2.6	12
102	PRIMARY COMBUSTION INTERMEDIATES IN LOW-PRESSURE PREMIXED LAMINAR 2,5-DIMETHYLFURAN/OXYGEN/ARGON FLAMES. <i>Combustion Science and Technology</i> , 2014 , 186, 355-376	1.5	12
101	Numerical investigation on the combustion characteristics of PODE3/gasoline RCCI and high load extension. <i>Fuel</i> , 2020 , 263, 116366	7.1	12
100	Development of the ignition delay prediction model of n-butane/hydrogen mixtures based on artificial neural network. <i>Energy and AI</i> , 2020 , 2, 100033	12.6	12
99	A Review of Thermal Management System and Control Strategy for Automotive Engines. <i>Journal of Energy Engineering - ASCE</i> , 2021 , 147, 03121001	1.7	12
98	Study on the Double Injection Strategy of Gasoline Partially Premixed Combustion under a Light-Duty Optical Engine. <i>SAE International Journal of Engines</i> , 2016 , 9, 2185-2193	2.4	12
97	Comprehensive CO detection in flames using femtosecond two-photon laser-induced fluorescence. <i>Optics Express</i> , 2017 , 25, 25809-25818	3.3	11
96	Effects of Fuel Volatility on Combustion and Emissions over a Wide Range of EGR Rates in a Diesel Engine 2014 ,		11
95	The Influence of Boost Pressure and Fuel Chemistry on Combustion and Performance of a HCCI Engine 2008 ,		11
94	Investigation on the ignition delay prediction model of multi-component surrogates based on back propagation (BP) neural network. <i>Combustion and Flame</i> , 2022 , 237, 111852	5.3	11
93	Study on single-fuel reactivity controlled compression ignition combustion through low temperature reforming. <i>Combustion and Flame</i> , 2019 , 199, 429-440	5.3	10
92	Experimental Study on the Combustion Process of Dimethyl Ether (DME) 2003 ,		10
91	Effects of Gasoline Octane Number on Fuel Consumption and Emissions in Two Vehicles Equipped with GDI and PFI Spark-Ignition Engine. <i>Journal of Energy Engineering - ASCE</i> , 2020 , 146, 04020069	1.7	10
90	Effect of the stagnation plate on PAHs, soot and OH distributions in partially premixed laminar flames fueled with a blend of n-heptane and toluene. <i>Combustion and Flame</i> , 2021 , 227, 52-64	5.3	10

89	Multiple optical diagnostics on effects of fuel properties on spray flames under oxygen-enriched conditions. <i>Fuel</i> , 2021 , 291, 120129	7.1	10
88	The impact of low temperature reforming (LTR) products of fuel-rich n-heptane on compression ignition engine combustion. <i>Fuel</i> , 2018 , 229, 11-21	7.1	10
87	Effects of turbulence-chemistry interactions on auto-ignition and flame structure for n-dodecane spray combustion. <i>Combustion Theory and Modelling</i> , 2019 , 23, 907-934	1.5	9
86	Investigation of the chemical kinetics process of diesel combustion in a compression ignition engine using the large eddy simulation approach. <i>Fuel</i> , 2020 , 270, 117544	7.1	9
85	Numerical study of the combustion mechanism of a homogeneous charge compression ignition engine fuelled with dimethyl ether and methane, with a detailed kinetics model. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2005 , 219, 1213-1223	1.4	9
84	Kinetic Study of the Ignition Process of Methane/n-Heptane Fuel Blends under High-Pressure Direct-Injection Natural Gas Engine Conditions. <i>Energy & Fuels</i> , 2020 , 34, 14796-14813	4.1	9
83	Numerical investigation on combustion system optimization of stoichiometric operation natural gas engine based on knocking boundary extension. <i>Fuel</i> , 2021 , 290, 120092	7.1	9
82	Effects of Dual Loop EGR and Variable Geometry Turbocharger on Performance and Emissions of a Diesel Engine 2016 ,		9
81	Experimental study on the partially premixed combustion (PPC) fueled with n-butanol. <i>Fuel</i> , 2019 , 257, 116000	7.1	8
80	A Numerical Investigation on the Chemical Kinetics Process of a Reacting n-Dodecane Spray Flame under Compression Ignition Combustion Condition. <i>Energy & Fuels</i> , 2019 , 33, 11899-11912	4.1	8
79	Strategy of interference-free atomic hydrogen detection in flames using femtosecond multi-photon laser-induced fluorescence. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 3876-3880	6.7	8
78	Experimental and Modelling Investigations of the Gasoline Compression Ignition Combustion in Diesel Engine 2017 ,		8
77	An Investigation of Different Ported Fuel Injection Strategies and Thermal Stratification in HCCI Engines Using Chemiluminescence Imaging 2010 ,		8
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