

# Yao Mingfa

## List of Publications by Year in descending order

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236  
papers

10,892  
citations

41258

49  
h-index

43802

91  
g-index

238  
all docs

238  
docs citations

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times ranked

4826  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of intake high-pressure compressed air on thermal-work conversion in a stationary diesel engine. <i>International Journal of Green Energy</i> , 2023, 20, 338-351.	2.1	9
2	Effects of scavenging port angle and combustion chamber geometry on combustion and emission of a high-pressure direct-injection natural gas marine engine. <i>International Journal of Green Energy</i> , 2023, 20, 616-628.	2.1	4
3	Thermodynamic modeling of trans/supercritical fuel sprays in internal combustion engines based on a generalized cubic equation of state. <i>Fuel</i> , 2022, 307, 121894.	3.4	11
4	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.	2.8	50
5	Optical diagnostics and chemical kinetic analysis on the dual-fuel combustion of methanol and high reactivity fuels. <i>Fuel</i> , 2022, 312, 122949.	3.4	29
6	Supercritical thermophysical properties prediction of multi-component hydrocarbon fuels based on artificial neural network models. <i>Science China Technological Sciences</i> , 2022, 65, 903-919.	2.0	6
7	Effects of Multiple Injection Strategies on Heavy-Duty Diesel Energy Distributions and Emissions Under High Peak Combustion Pressures. <i>Frontiers in Energy Research</i> , 2022, 10, .	1.2	5
8	Effects of charge motion on knocking combustion under boosted high load condition of a medium-duty gasoline engine. <i>Fuel</i> , 2022, 326, 125040.	3.4	8
9	Study of the heat release and exergy loss of iso-octane self-ignition under engine-like conditions. <i>Fuel</i> , 2022, 327, 125147.	3.4	5
10	On the entropy generation and exergy loss of laminar premixed flame under engine-relevant conditions. <i>Fuel</i> , 2021, 283, 119245.	3.4	6
11	Analysis of knocking combustion with methanol/iso-octane and ethanol/iso-octane blends in a spark-ignition engine. <i>Fuel</i> , 2021, 284, 118979.	3.4	18
12	Effect of soybean oil/PODE/ethanol blends on combustion and emissions on a heavy-duty diesel engine. <i>Fuel</i> , 2021, 288, 119625.	3.4	17
13	Experimental and numerical study on the impact of low-temperature reforming products of BD60 on engine combustion and emission characteristics. <i>Fuel</i> , 2021, 288, 119621.	3.4	4
14	Effects of octane sensitivity on knocking combustion under modern SI engine operating conditions. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 5897-5904.	2.4	8
15	Optical diagnostics on the effects of reverse reactivity stratification on the flame development in dual-fuel combustion. <i>Fuel</i> , 2021, 287, 119500.	3.4	12
16	Investigation of the Combustion Kinetics Process in a High-Pressure Direct Injection Natural Gas Marine Engine. <i>Energy &amp; Fuels</i> , 2021, 35, 6785-6797.	2.5	13
17	Experimental investigation on the effects of octane sensitivity on partially premixed low-temperature combustion. <i>Fuel</i> , 2021, 287, 119488.	3.4	3
18	Numerical investigation of the effect of thermal barrier coating on combustion and emissions in a diesel engine. <i>Applied Thermal Engineering</i> , 2021, 186, 116497.	3.0	16

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19	A Review of Thermal Management System and Control Strategy for Automotive Engines. Journal of Energy Engineering - ASCE, 2021, 147, .	1.0	28
20	Investigations on the effects of low temperature reforming of n-heptane/n-butanol blends on the flame development progress and combustion chemical kinetics. Fuel, 2021, 290, 120001.	3.4	5
21	Numerical investigation on combustion system optimization of stoichiometric operation natural gas engine based on knocking boundary extension. Fuel, 2021, 290, 120092.	3.4	18
22	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. Combustion and Flame, 2021, 227, 52-64.	2.8	29
23	Multiple optical diagnostics on effects of fuel properties on spray flames under oxygen-enriched conditions. Fuel, 2021, 291, 120129.	3.4	34
24	Experimental study on particle size distribution of gasoline compression ignition (GCI) at low-load condition. Fuel, 2021, 294, 120502.	3.4	8
25	Effects of flame propagation speed on knocking and knock-limited combustion in a downsized spark ignition engine. Fuel, 2021, 293, 120407.	3.4	17
26	Optical investigation on polyoxymethylene dimethyl ethers spray flame at different oxygen levels in a constant volume vessel. Science China Technological Sciences, 2021, 64, 1611-1623.	2.0	9
27	Simultaneous soot multi-parameter fields predictions in laminar sooting flames from neural network-based flame luminosity measurement I: methodology. Optics Letters, 2021, 46, 3869.	1.7	7
28	Numerical investigation on the combustion and emission characteristics of a heavy-duty natural gas-diesel dual-fuel engine. Fuel, 2021, 300, 120998.	3.4	22
29	A Mapping Approach for Efficient CFD Simulation of Low-Speed Large-Bore Marine Engine with Pre-Chamber and Dual-Fuel Operation. Energies, 2021, 14, 6126.	1.6	3
30	Experimental and kinetic modeling studies of polyoxymethylene dimethyl ether (PODE) pyrolysis in jet stirred reactor. Journal of Analytical and Applied Pyrolysis, 2021, 159, 105332.	2.6	10
31	Gasoline spray characteristics using a high pressure common rail diesel injection system by the method of laser induced exciplex fluorescence. Fuel, 2021, 302, 121174.	3.4	23
32	Development of a reduced primary reference fuel-PODE3-methanol-ethanol-n-butanol mechanism for dual-fuel engine simulations. Energy, 2021, 235, 121439.	4.5	13
33	Influence of thermal barrier coating on partially premixed combustion in internal combustion engine. Fuel, 2021, 303, 121259.	3.4	9
34	Development of a simplified n-heptane/methane model for high-pressure direct-injection natural gas marine engines. Frontiers in Energy, 2021, 15, 405-420.	1.2	14
35	Study on the influence mechanism of mixture stratification on GCI combustion and the compound injection strategy under high load operation. Energy Science and Engineering, 2021, 9, 2434.	1.9	1
36	Effects of direct-injection fuel types and proportion on late-injection reactivity controlled compression ignition. Combustion and Flame, 2020, 211, 445-455.	2.8	53

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37	Numerical investigation on the combustion characteristics of PODE3/gasoline RCCI and high load extension. <i>Fuel</i> , 2020, 263, 116366.	3.4	29
38	Combined effects of fuel reactivity and intake thermodynamic conditions on heat release and emissions of compression ignition combustion. <i>Fuel</i> , 2020, 282, 118859.	3.4	3
39	Identification of factors affecting exergy destruction and engine efficiency of various classes of fuel. <i>Energy</i> , 2020, 211, 118897.	4.5	8
40	Structure and propagation of n-heptane/air premixed flame in low temperature ignition regime. <i>Applied Energy</i> , 2020, 275, 115320.	5.1	9
41	Model Based Control Method for Diesel Engine Combustion. <i>Energies</i> , 2020, 13, 6046.	1.6	4
42	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.	5.8	21
43	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, .	1.0	20
44	Large eddy simulation of spray combustion using flamelet generated manifolds combined with artificial neural networks. <i>Energy and AI</i> , 2020, 2, 100021.	5.8	46
45	Optical diagnostics on the effects of fuel properties and coolant temperatures on combustion characteristic and flame development progress from HCII to CDC via PPC. <i>Fuel</i> , 2020, 269, 117441.	3.4	23
46	Investigation on the dual-fuel active-thermal atmosphere combustion strategy based on optical diagnostics and numerical simulations. <i>Fuel</i> , 2020, 276, 118023.	3.4	21
47	Numerical investigation on low octane gasoline-like fuel compression ignition combustion at high load. <i>Fuel</i> , 2020, 270, 117532.	3.4	12
48	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.	3.4	17
49	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.	3.4	52
50	Kinetic Study of the Ignition Process of Methane/n-Heptane Fuel Blends under High-Pressure Direct-Injection Natural Gas Engine Conditions. <i>Energy &amp; Fuels</i> , 2020, 34, 14796-14813.	2.5	15
51	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.	2.4	30
52	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.	3.4	93
53	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.	2.4	76
54	Analysis of near wall combustion and pollutant migration after spray impingement. <i>International Journal of Heat and Mass Transfer</i> , 2019, 141, 569-579.	2.5	24

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55	Experimental study on the partially premixed combustion (PPC) fueled with n-butanol. <i>Fuel</i> , 2019, 257, 116000.	3.4	16
56	A Numerical Investigation on the Chemical Kinetics Process of a Reacting n-Dodecane Spray Flame under Compression Ignition Combustion Condition. <i>Energy &amp; Fuels</i> , 2019, 33, 11899-11912.	2.5	18
57	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.	1.9	34
58	Effects of Flame Temperature on PAHs and Soot Evolution in Partially Premixed and Diffusion Flames of a Diesel Surrogate. <i>Energy &amp; Fuels</i> , 2019, 33, 11821-11829.	2.5	50
59	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.	3.4	18
60	Study on single-fuel reactivity controlled compression ignition combustion through low temperature reforming. <i>Combustion and Flame</i> , 2019, 199, 429-440.	2.8	13
61	Effects of low-temperature reforming products of PRF50 on combustion and emission characteristics in an HCCI engine. <i>Applied Thermal Engineering</i> , 2019, 151, 451-458.	3.0	11
62	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.	1.0	22
63	Spray characteristics of gasoline/PODE and diesel/PODE blends in a constant volume chamber. <i>Applied Thermal Engineering</i> , 2019, 159, 113850.	3.0	29
64	A comparison study on the combustion and sooting characteristics of base engine oil and n-dodecane in laminar diffusion flames. <i>Applied Thermal Engineering</i> , 2019, 158, 113812.	3.0	7
65	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.	3.0	26
66	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.	5.1	18
67	Optical measurements of temperature fields in sooting flames: influence of soot self-absorption. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1.	1.1	5
68	Theoretical analysis on the exergy destruction mechanisms and reduction under LTC relevant conditions. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 4797-4804.	2.4	10
69	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.	3.4	42
70	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.	2.8	42
71	Role of Low-Temperature Fuel Chemistry on Turbulent Flame Propagation. <i>Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica</i> , 2019, 35, 158-166.	2.2	1
72	A Numerical Investigation on NO <sub>2</sub> Formation in a Natural Gas "Diesel Dual Fuel Engine. <i>Journal of Engineering for Gas Turbines and Power</i> , 2018, 140, .	0.5	2

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73	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.	3.4	118
74	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.	4.5	145
75	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.	3.4	19
76	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.	4.5	65
77	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.	5.1	22
78	A theoretical investigation of the effects of temperature, pressure, and equivalence ratio on the oxidation and reformed products of PRF90 under the flexible cylinder engine mode. <i>Applied Thermal Engineering</i> , 2018, 137, 513-520.	3.0	5
79	Pilot injection strategy management of gasoline compression ignition (GCI) combustion in a multi-cylinder diesel engine. <i>Fuel</i> , 2018, 221, 116-127.	3.4	43
80	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.	2.8	93
81	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.	3.0	53
82	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.	3.0	39
83	Gasoline compression ignition operation on a multi-cylinder heavy duty diesel engine. <i>Fuel</i> , 2018, 215, 339-351.	3.4	34
84	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.	3.4	10
85	The effects of DI fuel properties on the combustion and emissions characteristics of RCCI combustion. <i>Fuel</i> , 2018, 227, 457-468.	3.4	28
86	Investigation on the Potential of High Efficiency for Internal Combustion Engines. <i>Energies</i> , 2018, 11, 513.	1.6	42
87	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.	1.6	17
88	Effect of Wall Temperature on Acetylene Diffusion Flameâ€™Wall Interaction Based on Optical Diagnostics and CFD Simulation. <i>Energies</i> , 2018, 11, 1264.	1.6	10
89	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.	4.4	52
90	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.	3.4	36

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91	A theoretical study on the effects of thermal barrier coating on diesel engine combustion and emission characteristics. <i>Energy</i> , 2018, 162, 744-752.	4.5	25
92	Improvement of high load performance in gasoline compression ignition engine with PODE and multiple-injection strategy. <i>Fuel</i> , 2018, 234, 1459-1468.	3.4	32
93	Experimental and modelling investigations of the diesel surrogate fuels in direct injection compression ignition combustion. <i>Applied Energy</i> , 2017, 189, 187-200.	5.1	44
94	Experimental and numerical studies on three gasoline surrogates applied in gasoline compression ignition (GCI) mode. <i>Applied Energy</i> , 2017, 192, 59-70.	5.1	20
95	Study on ignition and flame development in gasoline partially premixed combustion using multiple optical diagnostics. <i>Combustion and Flame</i> , 2017, 177, 98-108.	2.8	75
96	Multiple optical diagnostics on effect of fuel stratification degree on reactivity controlled compression ignition. <i>Fuel</i> , 2017, 202, 688-698.	3.4	73
97	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.	2.5	40
98	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.	3.0	35
99	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.	3.0	34
100	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.	2.8	103
101	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.	3.4	73
102	Experimental and Modeling Investigations on Soot Formation of Ethanol, <i>n</i> -Butanol, 2,5-Dimethylfuran, and Biodiesel in Diesel Engines. <i>Energy &amp; Fuels</i> , 2017, 31, 12108-12119.	2.5	22
103	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.	5.1	89
104	Simulation of Automotive Engine Phase Signal Based on Closed-Loop Strategy. <i>Transactions of Tianjin University</i> , 2017, 23, 394-400.	3.3	0
105	Theoretical Investigation of the Combustion of PRF90 under the Flexible Cylinder Engine Mode: The Effects of Cooling Strategies on the Mode. <i>Energy &amp; Fuels</i> , 2017, 31, 13273-13281.	2.5	6
106	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.	5.1	85
107	Experimental and kinetic modeling studies of low-pressure premixed laminar 2-methylfuran flames. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 1295-1302.	2.4	36
108	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.	3.8	10

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109	Strategy for single-shot CH <sub>3</sub> imaging in premixed methane/air flames using photofragmentation laser-induced fluorescence. Proceedings of the Combustion Institute, 2017, 36, 4487-4495.	2.4	16
110	A Numerical Investigation on NO <sub>2</sub> Formation in a Natural Gas-Diesel Dual Fuel Engine. , 2017, , .		2
111	Effects of Pilot Injection Strategy on Combustion and Emission Characteristics in Gasoline Compression Ignition. Energy Procedia, 2017, 142, 1267-1273.	1.8	10
112	Comprehensive CO detection in flames using femtosecond two-photon laser-induced fluorescence. Optics Express, 2017, 25, 25809.	1.7	14
113	Experimental Investigation on the Effects of Injection Strategy on Combustion and Emission in a Heavy-Duty Diesel Engine Fueled with Gasoline. , 2017, , .		3
114	Experimental and Modelling Investigations of the Gasoline Compression Ignition Combustion in Diesel Engine. , 2017, , .		12
115	Effects of Gasoline Viscosity and Injection Pressure on the Performance and Emissions of a Multi-Cylinder Partially Premixed Combustion Engine. The Proceedings of the International Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines, 2017, 2017.9, C309.	0.1	4
116	Effects of Different Turbocharging Systems on Performance in a HD Diesel Engine with Different Emission Control Technical Routes. , 2016, , .		7
117	Study on the Double Injection Strategy of Gasoline Partially Premixed Combustion under a Light-Duty Optical Engine. SAE International Journal of Engines, 2016, 9, 2185-2193.	0.4	13
118	Effects of diesel/PODE (polyoxymethylene dimethyl ethers) blends on combustion and emission characteristics in a heavy duty diesel engine. Fuel, 2016, 177, 206-216.	3.4	166
119	A parametric study for enabling reactivity controlled compression ignition (RCCI) operation in diesel engines at various engine loads. Applied Energy, 2016, 175, 389-402.	5.1	88
120	Experimental investigations of gasoline partially premixed combustion with an exhaust rebreathing valve strategy at low loads. Applied Thermal Engineering, 2016, 103, 832-841.	3.0	32
121	Direct numerical simulation of n-heptane/air auto-ignition with thermal and charge stratifications under partially-premixed charge compression ignition (PCCI) engine related conditions. Applied Thermal Engineering, 2016, 104, 516-526.	3.0	25
122	Experimental study of RCCI combustion and load extension in a compression ignition engine fueled with gasoline and PODE. Fuel, 2016, 181, 878-886.	3.4	136
123	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. Applied Energy, 2016, 181, 132-139.	5.1	27
124	Effects of six-carbon alcohols, ethers and ketones with chain or ring molecular structures on diesel low temperature combustion. Energy Conversion and Management, 2016, 124, 480-491.	4.4	41
125	Development of a combined reduced primary reference fuel-alcohols (methanol/ethanol/propanols/butanols/n-pentanol) mechanism for engine applications. Energy, 2016, 114, 542-558.	4.5	90
126	Experimental study on the combustion and emissions fueling biodiesel/n-butanol, biodiesel/ethanol and biodiesel/2,5-dimethylfuran on a diesel engine. Energy, 2016, 115, 539-549.	4.5	96



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127	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.	4.4	34
128	Direct numerical simulation of H <sub>2</sub> /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.	3.8	14
129	Prediction Accuracy and Efficiency of the <i>n</i> -Heptane Mechanism at Different Reduction Levels. <i>Energy &amp; Fuels</i> , 2016, 30, 6822-6827.	2.5	3
130	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.	2.8	58
131	Numerical study of spray micro-droplet impinging on dry/wet wall. <i>Applied Thermal Engineering</i> , 2016, 95, 1-9.	3.0	25
132	Effects of late intake valve closing (LIVC) and rebreathing valve strategies on diesel engine performance and emissions at low loads. <i>Applied Thermal Engineering</i> , 2016, 98, 310-319.	3.0	37
133	Methyl Radical Imaging in Methane-Air Flames Using Laser Photofragmentation-Induced Fluorescence. <i>Applied Spectroscopy</i> , 2015, 69, 1152-1156.	1.2	12
134	Reaction Mechanisms and HCCI Combustion Processes of Mixtures of <i>n</i> -Heptane and the Butanols. <i>Frontiers in Mechanical Engineering</i> , 2015, 1, .	0.8	12
135	Combustion Mode Design with High Efficiency and Low Emissions Controlled by Mixtures Stratification and Fuel Reactivity. <i>Frontiers in Mechanical Engineering</i> , 2015, 1, .	0.8	6
136	Experimental Investigation of Injection Strategies on Low Temperature Combustion Fuelled with Gasoline in a Compression Ignition Engine. <i>Journal of Chemistry</i> , 2015, 2015, 1-10.	0.9	8
137	A reduced toluene reference fuel chemical kinetic mechanism for combustion and polycyclic-aromatic hydrocarbon predictions. <i>Combustion and Flame</i> , 2015, 162, 2390-2404.	2.8	171
138	Development of a reduced <i>n</i> -butanol/biodiesel mechanism for a dual fuel engine. <i>Fuel</i> , 2015, 157, 87-96.	3.4	27
139	A Skeletal Mechanism of a Biodiesel Surrogate Fuel for Compression Ignition Engines. <i>Energy &amp; Fuels</i> , 2015, 29, 1160-1171.	2.5	15
140	N <sub>2</sub> O formation in the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> on a CeMoO <sub>x</sub> catalyst. <i>Applied Catalysis A: General</i> , 2015, 505, 8-15.	2.2	27
141	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.	3.4	22
142	Preparation and NO <sub>x</sub> -assisted soot oxidation activity of a Cu-CeO <sub>2</sub> mixed oxide catalyst. <i>Chemical Engineering Science</i> , 2015, 135, 294-300.	1.9	44
143	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.	2.8	33
144	A Review on the Pd-Based Three-Way Catalyst. <i>Catalysis Reviews - Science and Engineering</i> , 2015, 57, 79-144.	5.7	241

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145	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.	4.4	193
146	Experimental study on diesel conventional and low temperature combustion by fueling four isomers of butanol. <i>Fuel</i> , 2015, 141, 109-119.	3.4	153
147	Study of the control strategies on soot reduction under early-injection conditions on a diesel engine. <i>Fuel</i> , 2015, 139, 472-481.	3.4	134
148	PRIMARY COMBUSTION INTERMEDIATES IN LOW-PRESSURE PREMIXED LAMINAR 2,5-DIMETHYLFURAN/OXYGEN/ARGON FLAMES. <i>Combustion Science and Technology</i> , 2014, 186, 355-376.	1.2	13
149	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.	3.4	57
150	Experimental and numerical study on different dual-fuel combustion modes fuelled with gasoline and diesel. <i>Applied Energy</i> , 2014, 113, 722-733.	5.1	107
151	A Reduced Chemical Kinetic Mechanism for Low Temperature Diesel Combustion and Soot Emissions. <i>Combustion Science and Technology</i> , 2014, 186, 1975-1990.	1.2	15
152	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.	4.5	140
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