Zuohua Huang

List of Publications by Year in descending order

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Version: 2024-02-01

496	21,960	10351	21474
papers	citations	72 h-index	114 g-index

502	502	502	6274
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Measurements of laminar burning velocities for natural gasâ€“hydrogenâ€“air mixtures. Combustion and Flame, 2006, 146, 302-311.	2.8	512
2	Experimental and numerical study on laminar burning characteristics of premixed methaneâ€“hydrogenâ€“air flames. International Journal of Hydrogen Energy, 2009, 34, 4876-4888.	3.8	450
3	An experimental and chemical kinetic modeling study of 1,3-butadiene combustion: Ignition delay time and laminar flame speed measurements. Combustion and Flame, 2018, 197, 423-438.	2.8	432
4	Emission characteristics of a spark-ignition engine fuelled with gasoline-n-butanol blends in combination with EGR. Fuel, 2012, 93, 611-617.	3.4	297
5	Combustion and emissions of a DI diesel engine fuelled with diesel-oxygenate blends. Fuel, 2008, 87, 2691-2697.	3.4	293
6	Experimental and analytical study on biodiesel and diesel spray characteristics under ultra-high injection pressure. International Journal of Heat and Fluid Flow, 2010, 31, 659-666.	1.1	268
7	Experimental and modeling study on ignition delays of lean mixtures of methane, hydrogen, oxygen, and argon at elevated pressures. Combustion and Flame, 2012, 159, 918-931.	2.8	264
8	Experimental study on combustion characteristics of a spark-ignition engine fueled with natural gasâ€“hydrogen blends combining with EGR. International Journal of Hydrogen Energy, 2009, 34, 1035-1044.	3.8	245
9	Experimental investigation on regulated and unregulated emissions of a diesel engine fueled with ultra-low sulfur diesel fuel blended with biodiesel from waste cooking oil. Science of the Total Environment, 2009, 407, 835-846.	3.9	240
10	Effect of n-pentanol addition on the combustion, performance andÂemission characteristics of a direct-injection diesel engine. Energy, 2014, 70, 172-180.	4.5	229
11	Experimental investigation on performance and emissions of a spark-ignition engine fuelled with natural gasâ€“hydrogen blends combined with EGR. International Journal of Hydrogen Energy, 2009, 34, 528-539.	3.8	224
12	Numerical study of the effect of hydrogen addition on methaneâ€“air mixtures combustion. International Journal of Hydrogen Energy, 2009, 34, 1084-1096.	3.8	224
13	Laminar flame speeds and ignition delay times of methaneâ€“air mixtures at elevated temperatures and pressures. Fuel, 2015, 158, 1-10.	3.4	217
14	Laminar burning velocities and flame instabilities of butanol isomersâ€“air mixtures. Combustion and Flame, 2010, 157, 2318-2325.	2.8	208
15	Effects of ultra-high injection pressure and micro-hole nozzle on flame structure and soot formation of impinging diesel spray. Applied Energy, 2011, 88, 1620-1628.	5.1	204
16	Combustion behaviors of a direct-injection engine operating on various fractions of natural gasâ€“hydrogen blends. International Journal of Hydrogen Energy, 2007, 32, 3555-3564.	3.8	200
17	Combustion characteristics of a direct-injection engine fueled with natural gasâ€“hydrogen blends under different ignition timings. Fuel, 2007, 86, 381-387.	3.4	195
18	Experimental and numerical study on laminar burning velocities and flame instabilities of hydrogenâ€“air mixtures at elevated pressures and temperatures. International Journal of Hydrogen Energy, 2009, 34, 8741-8755.	3.8	171

#	Article	IF	Citations
19	Cycle-by-cycle variations in a spark ignition engine fueled with natural gasâ€“hydrogen blends combined with EGR. International Journal of Hydrogen Energy, 2009, 34, 8405-8414.	3.8	170
20	Experimental and modeling study of the auto-ignition of n-heptane/n-butanol mixtures. Combustion and Flame, 2013, 160, 31-39.	2.8	166
21	Study of cycle-by-cycle variations of a spark ignition engine fueled with natural gasâ€“hydrogen blends. International Journal of Hydrogen Energy, 2008, 33, 4876-4883.	3.8	164
22	Dynamics of droplet impact on solid surface with different roughness. International Journal of Multiphase Flow, 2017, 96, 56-69.	1.6	164
23	Recent Advances in Machine Learning Research for Nanofluid-Based Heat Transfer in Renewable Energy System. Energy & Fuels, 2022, 36, 6626-6658.	2.5	164
24	Combustion behaviors of a compression-ignition engine fuelled with diesel/methanol blends under various fuel delivery advance angles. Bioresource Technology, 2004, 95, 331-341.	4.8	163
25	Combustion characteristics of a direct-injection natural gas engine under various fuel injection timings. Applied Thermal Engineering, 2006, 26, 806-813.	3.0	161
26	Diesel engine gaseous and particle emissions fueled with dieselâ€“oxygenate blends. Fuel, 2012, 94, 317-323.	3.4	161
27	Laminar burning velocities and combustion characteristics of propaneâ€“hydrogenâ€“air premixed flames. International Journal of Hydrogen Energy, 2008, 33, 4906-4914.	3.8	158
28	Effect of spark timing and load on a DISI engine fuelled with 2,5-dimethylfuran. Fuel, 2011, 90, 449-458.	3.4	158
29	Experimental and Numerical Study on Laminar Flame Characteristics of Methane Oxy-fuel Mixtures Highly Diluted with CO₂. Energy & Fuels, 2013, 27, 6231-6237.	2.5	153
30	Determination of the laminar burning velocities for mixtures of ethanol and air at elevated temperatures. Applied Thermal Engineering, 2007, 27, 374-380.	3.0	144
31	Progress in combustion investigations of hydrogen enriched hydrocarbons. Renewable and Sustainable Energy Reviews, 2014, 30, 195-216.	8.2	142
32	Characterization of spray and combustion processes of biodiesel fuel injected by diesel engine common rail system. Fuel, 2013, 104, 838-846.	3.4	136
33	Explosion characteristics of hydrogenâ€“nitrogenâ€“air mixtures at elevated pressures and temperatures. International Journal of Hydrogen Energy, 2009, 34, 554-561.	3.8	133
34	Dual-injection: The flexible, bi-fuel concept for spark-ignition engines fuelled with various gasoline and biofuel blends. Applied Energy, 2011, 88, 2305-2314.	5.1	131
35	Effect of hydrogen addition on early flame growth of lean burn natural gasâ€“air mixtures. International Journal of Hydrogen Energy, 2010, 35, 7246-7252.	3.8	130
36	Understanding the antagonistic effect of methanol as a component in surrogate fuel models: A case study of methanol/n-heptane mixtures. Combustion and Flame, 2021, 226, 229-242.	2.8	129

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37	Measurements of laminar burning velocities and onset of cellular instabilities of methaneâ€“hydrogenâ€“air flames at elevated pressures and temperatures. International Journal of Hydrogen Energy, 2009, 34, 5574-5584.	3.8	127
38	Influence of engine load and speed on regulated and unregulated emissions of a diesel engine fueled with diesel fuel blended with waste cooking oil biodiesel. Fuel, 2016, 180, 41-49.	3.4	124
39	Determination, correlation, and mechanistic interpretation of effects of hydrogen addition on laminar flame speeds of hydrocarbonâ€“air mixtures. Proceedings of the Combustion Institute, 2011, 33, 921-928.	2.4	123
40	Laminar burning velocities and flame instabilities of 2,5-dimethylfuranâ€“air mixtures at elevated pressures. Combustion and Flame, 2011, 158, 539-546.	2.8	122
41	Effect of hydrogen blending on the high temperature auto-ignition of ammonia at elevated pressure. Fuel, 2021, 287, 119563.	3.4	118
42	Numerical Study on the Effects of Diluents on the Laminar Burning Velocity of Methaneâ€“Air Mixtures. Energy & Fuels, 2012, 26, 4242-4252.	2.5	115
43	Effect of equivalence ratio on combustion and emissions of a dual-fuel natural gas engine ignited with diesel. Applied Thermal Engineering, 2019, 146, 738-751.	3.0	108
44	Spray properties of alternative fuels: A comparative analysis of ethanolâ€“gasoline blends and gasoline. Fuel, 2007, 86, 1645-1650.	3.4	104
45	Study on laminar flame speed and flame structure of syngas with varied compositions using OH-PLIF and spectrograph. International Journal of Hydrogen Energy, 2013, 38, 1636-1643.	3.8	104
46	Numerical study on laminar burning velocity and NO formation of premixed methaneâ€“hydrogenâ€“air flames. International Journal of Hydrogen Energy, 2009, 34, 6545-6557.	3.8	103
47	Liquid hot water as sustainable biomass pretreatment technique for bioenergy production: A review. Bioresource Technology, 2022, 344, 126207.	4.8	103
48	Experimental Study on Engine Performance and Emissions for an Engine Fueled with Natural Gasâˆ’Hydrogen Mixtures. Energy & Fuels, 2006, 20, 2131-2136.	2.5	102
49	A study of the combustion and emission characteristics of compressed-natural-gas direct-injection stratified combustion using a rapid-compression-machine. Combustion and Flame, 2002, 129, 1-10.	2.8	99
50	Comparative study on the effect of CO2 and H2O dilution on laminar burning characteristics of CO/H2/air mixtures. International Journal of Hydrogen Energy, 2014, 39, 3450-3458.	3.8	99
51	Identification of combustion intermediates in a low-pressure premixed laminar 2,5-dimethylfuran/oxygen/argon flame with tunable synchrotron photoionization. Combustion and Flame, 2009, 156, 1365-1376.	2.8	98
52	High methane natural gas/air explosion characteristics in confined vessel. Journal of Hazardous Materials, 2014, 278, 520-528.	6.5	97
53	Engine performance and emissions of a compression ignition engine operating on the diesel-methanol blends. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2004, 218, 435-447.	1.1	96
54	Measurements of laminar burning velocities and Markstein lengths for methanolâ€“airâ€“nitrogen mixtures at elevated pressures and temperatures. Combustion and Flame, 2008, 155, 358-368.	2.8	94

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55	Experimental and numerical study on lean premixed methaneâ€“hydrogenâ€“air flames at elevated pressures and temperatures. International Journal of Hydrogen Energy, 2009, 34, 6951-6960.	3.8	93
56	Experimental and modeling study on auto-ignition characteristics of methane/hydrogen blends under engine relevant pressure. International Journal of Hydrogen Energy, 2012, 37, 19168-19176.	3.8	91
57	Laminar burning velocities and flame characteristics of COâ€“H2â€“CO2â€“O2 mixtures. International Journal of Hydrogen Energy, 2012, 37, 19158-19167.	3.8	90
58	Experimental investigation on the effect of n-butanol blending on spray characteristics of soybean biodiesel in a common-rail fuel injection system. Fuel, 2016, 182, 391-401.	3.4	89
59	Comparison of the effect of biodiesel-diesel and ethanol-diesel on the gaseous emission of a direct-injection diesel engine. Atmospheric Environment, 2009, 43, 2721-2730.	1.9	86
60	Experimental and modeling study of the effects of adding oxygenated fuels to premixed n-heptane flames. Combustion and Flame, 2012, 159, 2324-2335.	2.8	85
61	Experimental study on the performance of and emissions from a low-speed light-duty diesel engine fueled with n-butanolâ€“diesel and isobutanolâ€“diesel blends. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2013, 227, 261-271.	1.1	85
62	Pressure history in the explosion of moist syngas/air mixtures. Fuel, 2016, 185, 18-25.	3.4	85
63	Self-acceleration of cellular flames and laminar flame speed of syngas/air mixtures at elevated pressures. International Journal of Hydrogen Energy, 2016, 41, 18250-18258.	3.8	85
64	Flammability limits of hydrogen-enriched natural gas. International Journal of Hydrogen Energy, 2011, 36, 6937-6947.	3.8	84
65	Measurements of laminar burning velocities and Markstein lengths of propaneâ€“hydrogenâ€“air mixtures at elevated pressures and temperatures. International Journal of Hydrogen Energy, 2008, 33, 7274-7285.	3.8	83
66	Measurement of laminar burning velocity of dimethyl etherâ€“air premixed mixtures. Fuel, 2007, 86, 2360-2366.	3.4	82
67	Experimental and numerical investigation on diluted DME flames: Thermal and chemical kinetic effects on laminar flame speeds. Fuel, 2012, 102, 567-573.	3.4	82
68	High temperature ignition delay times of C5 primary alcohols. Combustion and Flame, 2013, 160, 520-529.	2.8	82
69	Review on the production methods and fundamental combustion characteristics of furan derivatives. Renewable and Sustainable Energy Reviews, 2016, 54, 1189-1211.	8.2	82
70	An experimental investigation on spray, ignition and combustion characteristics of biodiesels. Proceedings of the Combustion Institute, 2011, 33, 2071-2077.	2.4	80
71	Measurements of Laminar Burning Velocities and Markstein Lengths ofn-Butanolâ^'Air Premixed Mixtures at Elevated Temperatures and Pressures. Energy & Fuels, 2009, 23, 4900-4907.	2.5	79
72	Effect of exhaust gas recirculation on the cycle-to-cycle variations in a natural gas spark ignition engine. Applied Thermal Engineering, 2011, 31, 2247-2253.	3.0	79

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73	Experimental investigation on effect of ethanol and di-ethyl ether addition on the spray characteristics of diesel/biodiesel blends under high injection pressure. Fuel, 2018, 218, 1-11.	3.4	77
74	Emission analysis of the CH4/NH3/air co-firing fuels in a model combustor. Fuel, 2021, 291, 120135.	3.4	77
75	Experimental investigation on spray and atomization characteristics of diesel/gasoline/ethanol blends in high pressure common rail injection system. Energy, 2016, 112, 549-561.	4.5	76
76	Dynamics of cycle-to-cycle variations in a natural gas direct-injection spark-ignition engine. Applied Energy, 2011, 88, 2324-2334.	5.1	75
77	The regulation effect of methane and hydrogen on the emission characteristics of ammonia/air combustion in a model combustor. International Journal of Hydrogen Energy, 2021, 46, 21013-21025.	3.8	75
78	Combustion characteristics and heat release analysis of a direct injection compression ignition engine fuelled with dieselâ€"dimethyl carbonate blends. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2003, 217, 595-605.	1.1	74
79	Shock Tube Measurements and Kinetic Investigation on the Ignition Delay Times of Methane/Dimethyl Ether Mixtures. Energy & Fuels, 2012, 26, 6720-6728.	2.5	71
80	A comparative study of n -propanol, propanal, acetone, and propane combustion in laminar flames. Proceedings of the Combustion Institute, 2015, 35, 795-801.	2.4	71
81	Characterization of biogas-hydrogen premixed flames using Bunsen burner. International Journal of Hydrogen Energy, 2014, 39, 13292-13299.	3.8	70
82	Effect of di-n-butyl ether blending with soybean-biodiesel on spray and atomization characteristics in a common-rail fuel injection system. Fuel, 2015, 140, 116-125.	3.4	70
83	Effect of partially premixed and hydrogen addition on natural gas direct-injection lean combustion. International Journal of Hydrogen Energy, 2009, 34, 9239-9247.	3.8	69
84	Measurements of Laminar Burning Velocities and Markstein Lengths of 2,5-Dimethylfuranâ^'Airâ^'Diluent Premixed Flames. Energy & Fuels, 2009, 23, 4355-4362.	2.5	68
85	Measurements of laminar flame speeds and flame instability analysis of 2-methyl-1-butanolâ€"air mixtures. Fuel, 2013, 112, 263-271.	3.4	68
86	Experimental investigation of regulated and unregulated emissions from a diesel engine fueled with ultralow-sulfur diesel fuel blended with ethanol and dodecanol. Atmospheric Environment, 2008, 42, 8843-8851.	1.9	67
87	Further study on the ignition delay times of propaneâ€"hydrogenâ€"oxygenâ€"argon mixtures: Effect of equivalence ratio. Combustion and Flame, 2013, 160, 2283-2290.	2.8	66
88	An experimental and kinetic modeling study of n-propanol and i-propanol ignition at high temperatures. Combustion and Flame, 2014, 161, 644-656.	2.8	64
89	Experimental study on particulate emission of a diesel engine fueled with blended ethanolâ€"dodecanolâ€"diesel. Journal of Aerosol Science, 2009, 40, 101-112.	1.8	63
90	Laminar burning characteristics of 2,5-dimethylfuran and iso-octane blend at elevated temperatures and pressures. Fuel, 2012, 95, 234-240.	3.4	63

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91	Laminar burning velocities for mixtures of methanol and air at elevated temperatures. Energy Conversion and Management, 2007, 48, 857-863.	4.4	62
92	Effects of the addition of ethanol and cetane number improver on the combustion and emission characteristics of a compression ignition engine. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2008, 222, 1077-1087.	1.1	62
93	Effect of dimethoxy-methane and exhaust gas recirculation on combustion and emission characteristics of a direct injection diesel engine. Fuel, 2011, 90, 1731-1737.	3.4	62
94	The effect of pentanol addition on the particulate emission characteristics of a biodiesel operated diesel engine. Fuel, 2017, 209, 132-140.	3.4	62
95	Performance and Emissions of a Compression Ignition Engine Fueled with Diesel/Oxygenate Blends for Various Fuel Delivery Advance Angles. Energy & Fuels, 2005, 19, 403-410.	2.5	61
96	Combustion Characteristics of a Direct-Injection Engine Fueled with Natural Gasâ^'Hydrogen Mixtures. Energy & Fuels, 2006, 20, 540-546.	2.5	61
97	Experimental and Modeling Study of n-Butanol Oxidation at High Temperature. Energy & Fuels, 2012, 26, 3368-3380.	2.5	61
98	Study of combustion characteristics of a compression ignition engine fuelled with dimethyl ether. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 1999, 213, 647-652.	1.1	60
99	Experimental Study on Emissions of a Spark-Ignition Engine Fueled with Natural Gasâ^'Hydrogen Blends. Energy & Fuels, 2008, 22, 273-277.	2.5	60
100	The blow-off and transient characteristics of co-firing ammonia/methane fuels in a swirl combustor. Proceedings of the Combustion Institute, 2021, 38, 5181-5190.	2.4	60
101	Investigation on the gaseous and particulate emissions of a compression ignition engine fueled with dieselâ€“dimethyl carbonate blends. Science of the Total Environment, 2011, 409, 523-529.	3.9	59
102	Effects of fuel composition and initial pressure on laminar flame speed of H2/CO/CH4 bio-syngas. Fuel, 2019, 238, 149-158.	3.4	59
103	Measurement of the instantaneous flame front structure of syngas turbulent premixed flames at high pressure. Combustion and Flame, 2013, 160, 2434-2441.	2.8	58
104	Thermal and Chemical Effects of Water Addition on Laminar Burning Velocity of Syngas. Energy & Fuels, 2014, 28, 3391-3398.	2.5	58
105	Measurement of laminar burning velocities and Markstein lengths of diluted hydrogen-enriched natural gas. International Journal of Hydrogen Energy, 2009, 34, 507-518.	3.8	57
106	Measurement on instantaneous flame front structure of turbulent premixed CH4/H2/air flames. Experimental Thermal and Fluid Science, 2014, 52, 288-296.	1.5	57
107	Study of cyclic variations of direct-injection combustion fueled with natural gasâ€“hydrogen blends using a constant volume vessel. International Journal of Hydrogen Energy, 2008, 33, 7580-7591.	3.8	56
108	High-Temperature Ignition Delay Times and Kinetic Study of Furan. Energy & Fuels, 2012, 26, 2075-2081.	2.5	56

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109	Laminar Flame Characteristics of iso-Octane/n-Butanol Blendâ€“Air Mixtures at Elevated Temperatures. Energy & Fuels, 2013, 27, 2327-2335.	2.5	56
110	Experimental and kinetic study on ignition delay times of DME/H2/O2/Ar mixtures. Combustion and Flame, 2014, 161, 735-747.	2.8	56
111	Effects of oxygen enrichment on laminar burning velocities and Markstein lengths of CH4/O2/N2 flames at elevated pressures. Fuel, 2016, 184, 466-473.	3.4	56
112	Sensitivity analysis of operation parameters on the system performance of organic rankine cycle system using orthogonal experiment. Energy, 2019, 172, 435-442.	4.5	56
113	Catalyst-Based Synthesis of 2,5-Dimethylfuran from Carbohydrates as a Sustainable Biofuel Production Route. ACS Sustainable Chemistry and Engineering, 2022, 10, 3079-3115.	3.2	56
114	Combustion characteristics and heat release analysis of a compression ignition engine operating on a diesel/methanol blend. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2004, 218, 1011-1024.	1.1	54
115	Experimental investigation of particulate emissions from a diesel engine fueled with ultralow-sulfur diesel fuel blended with diglyme. Atmospheric Environment, 2010, 44, 55-63.	1.9	54
116	Experimental and numerical study on the effect of composition on laminar burning velocities of H2/CO/N2/CO2/air mixtures. International Journal of Hydrogen Energy, 2012, 37, 18509-18519.	3.8	54
117	Estimation of 3D flame surface density and global fuel consumption rate from 2D PLIF images of turbulent premixed flame. Combustion and Flame, 2015, 162, 2087-2097.	2.8	54
118	Kinetic analysis of H 2 addition effect on the laminar flame parameters of the C1â€“C4 n-alkane-air mixtures: From one step overall assumption to detailed reaction mechanism. International Journal of Hydrogen Energy, 2015, 40, 703-718.	3.8	54
119	Effect of Fuel Injection Timing Relative to Ignition Timing on the Natural-Gas Direct-Injection Combustion. Journal of Engineering for Gas Turbines and Power, 2003, 125, 783-790.	0.5	53
120	Effect of Methanol Addition into Gasoline on the Combustion Characteristics at Relatively Low Temperatures. Energy & Fuels, 2006, 20, 84-90.	2.5	53
121	Combustion Characteristics of a Direct-Injection Engine Fueled with Natural Gasâ^'Hydrogen Blends under Various Injection Timings. Energy & Fuels, 2006, 20, 1498-1504.	2.5	53
122	Comparison of the Effect of Biodiesel-Diesel and Ethanol-Diesel on the Particulate Emissions of a Direct Injection Diesel Engine. Aerosol Science and Technology, 2009, 43, 455-465.	1.5	53
123	Investigating the effect of hydrogen addition on cyclic variability in a natural gas spark ignition engine: Wavelet multiresolution analysis. Applied Energy, 2011, 88, 4860-4866.	5.1	53
124	Laminar Flame Speeds and Flame Instabilities of Pentanol Isomerâ€“Air Mixtures at Elevated Temperatures and Pressures. Energy & Fuels, 2013, 27, 1141-1150.	2.5	53
125	Experimental and kinetic study on laminar flame speeds of ammonia/dimethyl ether/air under high temperature and elevated pressure. Combustion and Flame, 2022, 238, 111915.	2.8	53
126	Performance and Emission Characteristics of Diesel Engines Fueled with Dieselâ^'Dimethoxymethane (DMM) Blends. Energy & Fuels, 2009, 23, 286-293.	2.5	52

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127	Flame front structure and burning velocity of turbulent premixed CH4/H2/air flames. International Journal of Hydrogen Energy, 2013, 38, 11421-11428.	3.8	52
128	Explosion behavior predictions of syngas/air mixtures with dilutions at elevated pressures: Explosion and intrinsic flame instability parameters. Fuel, 2019, 255, 115724.	3.4	52
129	Measurements of Markstein numbers and laminar burning velocities for liquefied petroleum gasâ€“air mixtures. Fuel, 2004, 83, 1281-1288.	3.4	51
130	Study on nitrogen diluted propaneâ€“air premixed flames at elevated pressures and temperatures. Energy Conversion and Management, 2010, 51, 288-295.	4.4	51
131	Experimental and numerical study of laminar premixed dimethyl ether/methaneâ€“air flame. Fuel, 2014, 136, 37-45.	3.4	51
132	Flame morphology and self-acceleration of syngas spherically expanding flames. International Journal of Hydrogen Energy, 2018, 43, 17531-17541.	3.8	51
133	Combustion and emission characteristics of a compression ignition engine fuelled with Dieselâ€“dimethoxy methane blends. Energy Conversion and Management, 2006, 47, 1402-1415.	4.4	50
134	Effect of initial pressure on laminar combustion characteristics of hydrogen enriched natural gas. International Journal of Hydrogen Energy, 2008, 33, 3876-3885.	3.8	50
135	Effects of hydrogen addition on cellular instabilities of the spherically expanding propane flames. International Journal of Hydrogen Energy, 2009, 34, 2483-2487.	3.8	50
136	Combustion and emission characteristics of a spray guided direct-injection spark-ignition engine fueled with natural gas-hydrogen blends. International Journal of Hydrogen Energy, 2011, 36, 11155-11163.	3.8	50
137	Experimental study of 2,5-dimethylfuran and 2-methylfuran in a rapid compression machine: Comparison of the ignition delay times and reactivity at low to intermediate temperature. Combustion and Flame, 2016, 168, 216-227.	2.8	50
138	Measurements on flame structure of bluff body and swirl stabilized premixed flames close to blow-off. Experimental Thermal and Fluid Science, 2019, 104, 15-25.	1.5	50
139	Self-similar propagation and turbulent burning velocity of CH4/H2/air expanding flames: Effect of Lewis number. Combustion and Flame, 2020, 212, 1-12.	2.8	50
140	Effects of fuel constituents and injection timing on combustion and emission characteristics of a compression-ignition engine fueled with diesel-DMM blends. Proceedings of the Combustion Institute, 2013, 34, 3013-3020.	2.4	49
141	Effects of equivalence ratio, H 2 and CO 2 addition on the heat release characteristics of premixed laminar biogas-hydrogen flame. International Journal of Hydrogen Energy, 2016, 41, 6567-6580.	3.8	49
142	Experimental and modeling study on ignition delay times of dimethoxy methane/ n -heptane blends. Fuel, 2017, 189, 350-357.	3.4	49
143	Experimental and kinetic study of pentene isomers and n-pentane in laminar flames. Proceedings of the Combustion Institute, 2017, 36, 1279-1286.	2.4	49
144	Laminar Flame Speeds of DMF/Iso-octane-Air-N₂/CO₂ Mixtures. Energy & Fuels, 2012, 26, 917-925.	2.5	48

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145	Measurements of Markstein Numbers and Laminar Burning Velocities for Natural Gasâ^'Air Mixtures. Energy & Fuels, 2004, 18, 316-326.	2.5	47
146	A comprehensive review on laminar spherically premixed flame propagation of syngas. Fuel Processing Technology, 2018, 181, 97-114.	3.7	47
147	Experimental and numerical study on the laminar burning velocity of hydrogen enriched biogas mixture. International Journal of Hydrogen Energy, 2019, 44, 22240-22249.	3.8	47
148	Study on the performance and emissions of a compression ignition engine fuelled with dimethyl ether. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2000, 214, 101-106.	1.1	46
149	Measurement of Laminar Burning Velocities of Dimethyl Etherâ^'Air Premixed Mixtures with N₂ and CO₂ Dilution. Energy & Fuels, 2009, 23, 735-739.	2.5	46
150	Laminar Burning Velocities and Markstein Lengths of 2,5-Dimethylfuran-Air Premixed Flames at Elevated Temperatures. Combustion Science and Technology, 2010, 183, 220-237.	1.2	46
151	Effect of H₂O Addition on the Flame Front Evolution of Syngas Spherical Propagation Flames. Combustion Science and Technology, 2016, 188, 1054-1072.	1.2	46
152	Investigation of the Cold-Start Combustion Characteristics of Ethanolâ^'Gasoline Blends in a Constant-Volume Chamber. Energy & Fuels, 2005, 19, 813-819.	2.5	45
153	Combustion characteristics of a compression-ignition engine fuelled with dieselâ€“dimethoxy methane blends under various fuel injection advance angles. Applied Thermal Engineering, 2006, 26, 327-337.	3.0	45
154	Experimental and modeling study on the influences of methanol on premixed fuel-rich n-heptane flames. Fuel, 2013, 103, 467-472.	3.4	45
155	Effect of preferential diffusion and flame stretch on flame structure and laminar burning velocity of syngas Bunsen flame using OH-PLIF. International Journal of Hydrogen Energy, 2014, 39, 12187-12193.	3.8	45
156	Combustion Characteristics and Heat Release Analysis of a Spark-Ignited Engine Fueled with Natural Gasâ^'Hydrogen Blends. Energy & Fuels, 2007, 21, 2594-2599.	2.5	44
157	Characteristics of direct injection combustion fuelled by natural gasâ€“hydrogen mixtures using a constant volume vessel. International Journal of Hydrogen Energy, 2008, 33, 1947-1956.	3.8	44
158	Effect of Injection Pressure on Flame and Soot Characteristics of the Biodiesel Fuel Spray. Combustion Science and Technology, 2010, 182, 1369-1390.	1.2	44
159	Shock-Tube Experiments and Kinetic Modeling of 2-Methylfuran Ignition at Elevated Pressure. Energy & Fuels, 2013, 27, 7809-7816.	2.5	44
160	Flame front structure of turbulent premixed flames of syngas oxyfuel mixtures. International Journal of Hydrogen Energy, 2014, 39, 5176-5185.	3.8	44
161	Effects of Hydrogen Addition on the Laminar Flame Speed and Markstein Length of Premixed Dimethyl Etherâ€“Air Flames. Energy & Fuels, 2015, 29, 4567-4575.	2.5	44
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