Chongming Wang

List of Publications by Year
in descending order

41 papers	1,820 citations	331538 21 h-index	302012 39 g-index
42 all docs	42 docs citations	42 times ranked	1443 citing authors

#	Article	IF	Citations
1	Accelerating Laminar Flame Speed of Hydrous Ethanol via Oxygen-Rich Combustion. Bioenergy Research, 2021, 14, 634-644.	2.2	2
2	Determination of laminar burning characteristics of a surrogate for a pyrolysis fuel using constant volume method. Energy, 2020, 190, 116315.	4.5	19
3	An experimental study on particle evolution in the exhaust gas of a direct injection SI engine. Applied Energy, 2020, 260, 114220.	5.1	11
4	Explosion characteristics of hydrous bio-ethanol in oxygen-enriched air. Fuel, 2020, 271, 117604.	3.4	11
5	Air and PCM cooling for battery thermal management considering battery cycle life. Applied Thermal Engineering, 2020, 173, 115154.	3.0	158
6	Multiobjective component sizing of a hybrid ethanol-electric vehicle propulsion system. Applied Energy, 2020, 266, 114843.	5.1	27
7	Effect of CO2 and N2 dilution on laminar premixed MTHF/air flames: Experiments and kinetic studies. Fuel, 2019, 255, 115659.	3.4	15
8	Cellularization of 2-methylfuran expanding spherical flame. Combustion and Flame, 2019, 206, 379-389.	2.8	28
9	Laminar Burning Velocity of Premixed Ethanolâ€"Air Mixtures with Laser-Induced Spark Ignition Using the Constant-Volume Method. Energy & Fuels, 2019, 33, 7749-7758.	2.5	6
10	Evaluation of explosion characteristics of 2-methylfuran/air mixture. Journal of Loss Prevention in the Process Industries, 2019, 62, 103954.	1.7	15
11	Simulation of throttling effect on cavitation for nozzle internal flow. Fuel, 2019, 243, 277-287.	3.4	17
12	Methanol as an octane booster for gasoline fuels. Fuel, 2019, 248, 76-84.	3.4	47
13	Microscopic study on the mechanisms for formation of the initial spray morphology. Fuel, 2019, 235, 715-722.	3.4	18
14	Spray characteristics of a gasoline-diesel blend (ULG75) using high-speed imaging techniques. Fuel, 2019, 239, 677-692.	3.4	17
15	Lean partially premixed turbulent flame equivalence ratio measurements using laser-induced breakdown spectroscopy. Fuel, 2019, 237, 320-334.	3.4	11
16	Explosion characteristics of a pyrolysis biofuel derived from rice husk. Journal of Hazardous Materials, 2019, 369, 324-333.	6.5	19
17	Engine Thermal Efficiency Gain and Well-to-Wheel Greenhouse Gas Savings When Using Bioethanol as a Gasoline-Blending Component in Future Spark-Ignition Engines: A China Case Study. Energy & Fuels, 2018, 32, 1724-1732.	2.5	9
18	Microscopic study on diesel spray under cavitating conditions by injecting fuel into water. Applied Energy, 2018, 230, 1172-1181.	5.1	20

#	Article	IF	Citations
19	Investigating the laminar burning velocity of 2-methylfuran. Fuel, 2018, 234, 1469-1480.	3.4	24
20	Laminar Burning Characteristics of Two Rice-Husk-Derived Biofuels. Energy & Fuels, 2018, 32, 9872-9882.	2.5	8
21	Nozzle internal flow and spray primary breakup with the application of closely coupled split injection strategy. Fuel, 2018, 228, 187-196.	3.4	32
22	Laminar burning velocity of 2-methylfuran-air mixtures at elevated pressures and temperatures: Experimental and modeling studies. Fuel, 2018, 231, 215-223.	3.4	33
23	Investigation of gasoline containing GTL naphtha in a spark ignition engine at full load conditions. Fuel, 2017, 194, 436-447.	3.4	8
24	Splash blended ethanol in a spark ignition engine â€“ Effect of RON, octane sensitivity and charge cooling. Fuel, 2017, 196, 21-31.	3.4	40
25	Ethanol blends in spark ignition engines: RON, octane-added value, cooling effect, compression ratio, and potential engine efficiency gain. Applied Energy, 2017, 191, 603-619.	5.1	98
26	Laminar flame characteristics of cyclopentanone at elevated temperatures. Applied Energy, 2017, 195, 671-680.	5.1	41
27	Laminar burning characteristics of upgraded biomass pyrolysis fuel derived from rice husk at elevated pressures and temperatures. Fuel, 2017, 210, 249-261.	3.4	23
28	Significance of RON and MON to a modern DISI engine. Fuel, 2017, 209, 172-183.	3.4	28
29	Influence of deposit on spray behaviour under flash boiling condition with the application of closely coupled split injection strategy. Fuel, 2017, 190, 67-78.	3.4	29
30	Combustion Characteristics and Laminar Flame Speed of Premixed Ethanol-Air Mixtures with Laser-Induced Spark Ignition. Biofuels Engineering, 2017, 2, 63-72.	0.0	5
31	Ultra-high speed imaging study of the diesel spray close to the injector tip at the initial opening stage with single injection. Applied Energy, 2016, 165, 335-344.	5.1	38
32	Investigation of EGR Effect on Combustion and PM Emissions in a DISI Engine. Applied Energy, 2016, 161, 256-267.	5.1	92
33	Hydrocarbon and Aldehyde Emissions from Combustion of 2-Methylfuran. Combustion Science and Technology, 2016, 188, 329-345.	1.2	11
34	Fuel injector deposits in direct-injection spark-ignition engines. Progress in Energy and Combustion Science, 2015, 50, 63-80.	15.8	147
35	Fuel Effect on Particulate Matter Composition and Soot Oxidation in a Direct-Injection Spark Ignition (DISI) Engine. Energy & Fuels, 2014, 28, 2003-2012.	2.5	74
36	Impact of fuel and injection system on particle emissions from a GDI engine. Applied Energy, 2014, 132, 178-191.	5.1	208

#	Article	IF	Citations
37	Combustion characteristics and emissions of 2-methylfuran compared to 2,5-dimethylfuran, gasoline and ethanol in a DISI engine. Fuel, 2013, 103, 200-211.	3.4	254
38	Speciation of Hydrocarbon and Carbonyl Emissions of 2,5-Dimethylfuran Combustion in a DISI Engine. Energy & Fuels, 2012, 26, 6661-6668.	2.5	55
39	Primary Combustion Intermediates in Lean and Rich Low-Pressure Premixed Laminar 2-Methylfuran/Oxygen/Argon Flames. Energy & Fuels, 2012, 26, 6651-6660.	2.5	41
40	Comparison of Gasoline (ULG), 2,5-Dimethylfuran (DMF) and Bio-Ethanol in a DISI Miller Cycle with Late Inlet Valve Closing Time. , 2012, , .		7
41	Dual-Injection as a Knock Mitigation Strategy Using Pure Ethanol and Methanol. SAE International Journal of Fuels and Lubricants, 0, 5, 772-784.	0.2	57