

Fujunjun Zhang

List of Publications by Year in descending order

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34
papers

646
citations

516710

16
h-index

580821

25
g-index

34
all docs

34
docs citations

34
times ranked

438
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermo-economic analysis of transcritical CO ₂ power cycle and comparison with Kalina cycle and ORC for a low-temperature heat source. <i>Energy Conversion and Management</i> , 2019, 195, 1295-1308.	9.2	87
2	Droplet breakup and coalescence of an internal-mixing twin-fluid spray. <i>Physics of Fluids</i> , 2021, 33, 013317.	4.0	64
3	Experimental study on knock suppression of spark-ignition engine fuelled with kerosene via water injection. <i>Applied Energy</i> , 2019, 242, 248-259.	10.1	53
4	Fundamental spray characteristics of air-assisted injection system using aviation kerosene. <i>Fuel</i> , 2021, 286, 119420.	6.4	49
5	Experimental study on the spray characteristics of an air-assisted fuel injection system using kerosene and gasoline. <i>Fuel</i> , 2019, 235, 782-794.	6.4	39
6	An Experimental Investigation on the Combustion and Heat Release Characteristics of an Opposed-Piston Folded-Cranktrain Diesel Engine. <i>Energies</i> , 2015, 8, 6365-6381.	3.1	35
7	Experimental investigation on the spray characteristic of air-assisted hollow-cone gasoline injector. <i>Applied Thermal Engineering</i> , 2019, 151, 354-363.	6.0	30
8	Atomization and droplet dynamics of a gas-liquid two-phase jet under different mass loading ratios. <i>International Journal of Multiphase Flow</i> , 2022, 151, 104043.	3.4	30
9	Investigation on efficiency improvement of a Kalina cycle by sliding condensation pressure method. <i>Energy Conversion and Management</i> , 2017, 151, 123-135.	9.2	27
10	On the role of vortex-ring formation in influencing air-assisted spray characteristics of n-heptane. <i>Fuel</i> , 2020, 266, 117044.	6.4	24
11	Study on the synthetic scavenging model validation method of opposed-piston two-stroke diesel engine. <i>Applied Thermal Engineering</i> , 2016, 104, 184-192.	6.0	23
12	Effects of Scavenging System Configuration on In-Cylinder Air Flow Organization of an Opposed-Piston Two-Stroke Engine. <i>Energies</i> , 2015, 8, 5866-5884.	3.1	22
13	Trajectory deviation of target jet of air-assisted spray under different conditions. <i>Fuel</i> , 2019, 249, 252-263.	6.4	22
14	Research on knocking characteristics of kerosene spark-ignition engine for unmanned aerial vehicle (UAV) by numerical simulation. <i>Thermal Science and Engineering Progress</i> , 2019, 9, 1-10.	2.7	22
15	Effect of pre-chamber volume on combustion characteristics of an SI aircraft piston engine fueled with RP3. <i>Fuel</i> , 2021, 286, 119238.	6.4	20
16	Experimental investigation on the spray characteristics of a self-pressurized hollow cone injector. <i>Fuel</i> , 2020, 272, 117710.	6.4	18
17	The effect of cooled EGR on combustion and load extension in a kerosene spark-ignition engine. <i>Fuel</i> , 2020, 280, 118681.	6.4	13
18	Closed-Loop PI Control of an Organic Rankine Cycle for Engine Exhaust Heat Recovery. <i>Energies</i> , 2020, 13, 3817.	3.1	11

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19	Model-Based State Feedback Controller Design for a Turbocharged Diesel Engine with an EGR System. <i>Energies</i> , 2015, 8, 5018-5039.	3.1	10
20	Effect of Characteristic Parameters on the Magnetic Properties of Voice Coil Motor for Direct Fuel Injection in Gasoline Engine. <i>Energy Procedia</i> , 2019, 158, 4184-4189.	1.8	9
21	Optimization and simulation of a voice coil motor for fuel injectors of two-stroke aviation piston engine. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401984626.	1.6	8
22	Prediction accuracy of thermodynamic properties using PC-SAFT for high-temperature organic Rankine cycle with siloxanes. <i>Energy</i> , 2020, 204, 117980.	8.8	6
23	The Effects of Pressure Difference on Opposed Piston Two Stroke Diesel Engine Scavenging Process. <i>Energy Procedia</i> , 2017, 142, 1172-1178.	1.8	5
24	Operation Characteristics and Transient Simulation of an ICE-ORC Combined System. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1639.	2.5	5
25	On the evolution of n-octane atomization characteristics using an air-assisted intermittent spray method. <i>Fuel Processing Technology</i> , 2022, 231, 107231.	7.2	4
26	Study on initial combustion characteristics of kerosene based on inductive charging ignition system. <i>Journal of Physics: Conference Series</i> , 2019, 1303, 012036.	0.4	3
27	A Simulation Study of Static Electromagnetic Characteristics of Voice Coil Motor Injector. <i>IFAC-PapersOnLine</i> , 2021, 54, 494-499.	0.9	3
28	Effect of advanced thermal management systems on hybrid electric drive units. , 2012, , .		1
29	Modeling and Simulation of an Opposed-piston Two-stroke Diesel Engine. , 2012, , .		1
30	Research on the Common Rail Pressure Overshoot of Opposed-Piston Two-Stroke Diesel Engines. <i>Energies</i> , 2017, 10, 571.	3.1	1
31	Effect of Water Injection in a Spark Ignition Engine Using Kerosene. <i>Energy Procedia</i> , 2019, 158, 5735-5740.	1.8	1
32	On the Effect of a Rail Pressure Error State Observer in Reducing Fuel Injection Cycle-to-Cycle Variation in an Opposed-Piston Compression Ignition Engine. <i>Energies</i> , 2018, 11, 1729.	3.1	0
33	Research on Performance of Pulsed Twin-Fluid Injector and Its Application on a Spark Ignition UAV Engine. , 0, , .		0
34	Knock Suppression of a Spark-Ignition Aviation Piston Engine Fuelled with Kerosene. , 0, , .		0