

Fujunjun Zhang

List of Publications by Year in descending order

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times ranked

438
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Fundamental spray characteristics of air-assisted injection system using aviation kerosene. <i>Fuel</i> , 2021, 286, 119420. | 6.4 | 49 |
| 5 | Droplet breakup and coalescence of an internal-mixing twin-fluid spray. <i>Physics of Fluids</i> , 2021, 33, 013317. | 4.0 | 64 |
| 6 | A Simulation Study of Static Electromagnetic Characteristics of Voice Coil Motor Injector. <i>IFAC-PapersOnLine</i> , 2021, 54, 494-499. | 0.9 | 3 |
| 7 | 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 |
| 8 | Closed-Loop PI Control of an Organic Rankine Cycle for Engine Exhaust Heat Recovery. <i>Energies</i> , 2020, 13, 3817. | 3.1 | 11 |
| 9 | Experimental investigation on the spray characteristics of a self-pressurized hollow cone injector. <i>Fuel</i> , 2020, 272, 117710. | 6.4 | 18 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Effect of Water Injection in a Spark Ignition Engine Using Kerosene. <i>Energy Procedia</i> , 2019, 158, 5735-5740. | 1.8 | 1 |
| 14 | 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 |
| 15 | 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 |
| 16 | Trajectory deviation of target jet of air-assisted spray under different conditions. <i>Fuel</i> , 2019, 249, 252-263. | 6.4 | 22 |
| 17 | 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 |
| 18 | Operation Characteristics and Transient Simulation of an ICE-ORC Combined System. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1639. | 2.5 | 5 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | Research on the Common Rail Pressure Overshoot of Opposed-Piston Two-Stroke Diesel Engines. <i>Energies</i> , 2017, 10, 571. | 3.1 | 1 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | Effect of advanced thermal management systems on hybrid electric drive units. , 2012, , . | | 1 |
| 32 | Modeling and Simulation of an Opposed-piston Two-stroke Diesel Engine. , 2012, , . | | 1 |
| 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 |