

Rui Liu

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

475
citations

1478505

6
h-index

1125743

13
g-index

16
all docs

16
docs citations

16
times ranked

343
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical and analytical modeling of lithium ion battery thermal behaviors with different cooling designs. <i>Journal of Power Sources</i> , 2013, 233, 47-61.	7.8	176
2	Numerical investigation of thermal behaviors in lithium-ion battery stack discharge. <i>Applied Energy</i> , 2014, 132, 288-297.	10.1	136
3	Effect of liquid cooling system structure on lithium-ion battery pack temperature fields. <i>International Journal of Heat and Mass Transfer</i> , 2022, 183, 122178.	4.8	48
4	Cold start control strategy for a two-stroke spark ignition diesel-fuelled engine with air-assisted direct injection. <i>Applied Thermal Engineering</i> , 2016, 108, 414-426.	6.0	42
5	Channel parameters for the temperature distribution of a battery thermal management system with liquid cooling. <i>Applied Thermal Engineering</i> , 2021, 186, 116494.	6.0	39
6	Combustion characteristics of a two-stroke spark ignition UAV engine fuelled with gasoline and kerosene (RP-3). <i>Aircraft Engineering and Aerospace Technology</i> , 2018, 91, 163-170.	1.2	11
7	Combustion Performance Investigation of Aviation Kerosene (RP-3) on a Compression Ignition Diesel Engine Under Various Loads. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2022, 144, .	2.3	8
8	Knock combustion investigation on a two-stroke spark ignition UAV engine burning RP-3 kerosene fuel. <i>Aircraft Engineering and Aerospace Technology</i> , 2019, 91, 1278-1284.	1.2	4
9	A High-Energy Multispark Capacitor Discharge Ignition System for a Two-Stroke Direct Injection Spark Ignition Heavy Fuel Engine. <i>IEEE Transactions on Plasma Science</i> , 2017, 45, 1812-1819.	1.3	2
10	Weak Knock Characteristic Extraction of a Two-Stroke Spark Ignition UAV Engine Burning RP-3 Kerosene Fuel Based on Intrinsic Modal Functions Energy Method. <i>Sensors</i> , 2020, 20, 1148.	3.8	2
11	Drive Control Experimental Studies on the Injection Characteristics of a Self-Pressurized Injector. <i>IEEE Access</i> , 2021, 9, 26532-26540.	4.2	2
12	Determination of Weak Knock Characteristics for Two-Stroke Spark Ignition UAV Engines Based on Mallat Decomposition Algorithm. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-11.	1.1	2
13	Parameters of liquid cooling thermal management system effect on the Li-ion battery temperature distribution. <i>Thermal Science</i> , 2022, 26, 567-577.	1.1	2
14	Control of Cylinder Consistency for a Two-Stroke Spark-Ignition Engine. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 5671-5678.	3.0	1
15	Control and measurement systems for spark ignition rotary engine. <i>Energy, Ecology and Environment</i> , 2019, 4, 233-239.	3.9	0
16	Study of the thermal behavior of a battery pack with a serpentine channel. <i>AIP Advances</i> , 2022, 12, 055028.	1.3	0