

Xiangyu Meng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16
papers

143
citations

7
h-index

11
g-index

16
ext. papers

247
ext. citations

9.6
avg, IF

3.21
L-index

#	Paper	IF	Citations
16	A LiS-based all-solid-state battery with high energy and superior safety.. <i>Science Advances</i> , 2022 , 8, eab18399	18.9	9
15	High-Energy and Safe Lithium Battery Enabled by Solid-state Redox Chemistry in Fireproof Gel Electrolyte.. <i>Advanced Materials</i> , 2022 , e2201981	24	3
14	Study of high-pressure air jet controlled compression ignition with compound thermodynamic cycle for combustion and emission formation process. <i>International Journal of Engine Research</i> , 2021 , 22, 3415-3427	2.7	27
13	Boosting the Electrocatalysis of MXenes by Plasmon-Induced Thermalization and Hot-Electron Injection. <i>Angewandte Chemie</i> , 2021 , 133, 9502-9506	3.6	1
12	Boosting the Electrocatalysis of MXenes by Plasmon-Induced Thermalization and Hot-Electron Injection. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 9416-9420	16.4	24
11	Hydrogen-Bonding Crosslinking MXene to Highly Robust and Ultralight Aerogels for Strengthening Lithium Metal Anode. <i>Small Science</i> , 2021 , 1, 2100021		19
10	Analysis and optimization of a variable mode valve actuation system. <i>International Journal of Engine Research</i> , 2021 , 22, 1500-1511	2.7	
9	A quasi-solid-state rechargeable cell with high energy and superior safety enabled by stable redox chemistry of Li ₂ S in gel electrolyte. <i>Energy and Environmental Science</i> , 2021 , 14, 2278-2290	35.4	13
8	Development of a variable mode valve actuation system for a heavy-duty engine. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2020 , 234, 2618-2633	1.4	
7	Research on two-stroke compression release braking performance of a variable mode valve actuation system. <i>International Journal of Engine Research</i> , 2020 , 21, 1696-1708	2.7	2
6	Effects of dual-direct injection parameters on performance of fuel Jet Controlled Compression Ignition mode on a high-speed light duty engine. <i>Fuel</i> , 2019 , 235, 658-669	7.1	15
5	A Molecular-Cage Strategy Enabling Efficient ChemisorptionElectrocatalytic Interface in Nanostructured Li ₂ S Cathode for Li Metal-Free Rechargeable Cells with High Energy. <i>Advanced Functional Materials</i> , 2019 , 29, 1905986	15.6	33
4	Effects of air jet duration and timing on the combustion characteristics of high-pressure air jet controlled compression ignition combustion mode in a hybrid pneumatic engine. <i>Energy Conversion and Management</i> , 2016 , 127, 392-403	10.6	7
3	Investigation of Effects of Air Jet Pressure and Temperature on High-Pressure Air Jet Controlled Compression Ignition Combustion Based on a Novel Thermodynamic Cycle. <i>Energy & Fuels</i> , 2016 , 30, 674-683	4.1	5
2	Experimental and Numerical Study of Jet Controlled Compression Ignition on Combustion Phasing Control in Diesel Premixed Compression Ignition Systems. <i>Energies</i> , 2014 , 7, 4519-4531	3.1	12
1	Design and Dynamic Analysis of an Innovative Axial Shift Valvetrain System (ASVS) for Variable Stroke Engine. <i>International Journal of Engine Research</i> , 146808742110653	2.7	