

Xiangyu Meng

List of Publications by Year in descending order

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16
papers

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#	ARTICLE	IF	CITATIONS
1	Boosting the Electrocatalysis of MXenes by Plasmon-Induced Thermalization and Hot-Electron Injection. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9416-9420.	7.2	78
2	A Li ₂ S-based all-solid-state battery with high energy and superior safety. <i>Science Advances</i> , 2022, 8, eabl8390.	4.7	54
3	A Molecular-Cage Strategy Enabling Efficient Chemisorption-Enhanced Electrocatalytic Interface in Nanostructured Li ₂ S Cathode for Li Metal-Free Rechargeable Cells with High Energy. <i>Advanced Functional Materials</i> , 2019, 29, 1905986.	7.8	51
4	Hydrogen-Bonding Crosslinking MXene to Highly Robust and Ultralight Aerogels for Strengthening Lithium Metal Anode. <i>Small Science</i> , 2021, 1, 2100021.	5.8	41
5	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.	15.6	40
6	A High-Energy and Safe Lithium Battery Enabled by Solid-State Redox Chemistry in a Fireproof Gel Electrolyte. <i>Advanced Materials</i> , 2022, 34, e2201981.	11.1	27
7	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.	3.4	25
8	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.	1.6	13
9	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.	4.4	9
10	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.	2.5	6
11	Boosting the Electrocatalysis of MXenes by Plasmon-Induced Thermalization and Hot-Electron Injection. <i>Angewandte Chemie</i> , 2021, 133, 9502-9506.	1.6	4
12	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.	1.4	3
13	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.	1.1	1
14	Design and Dynamic Analysis of an Innovative Axial Shift Valvetrain System (ASVS) for Variable Stroke Engine. <i>International Journal of Engine Research</i> , 2023, 24, 688-701.	1.4	1
15	Analysis and optimization of a variable mode valve actuation system. <i>International Journal of Engine Research</i> , 2021, 22, 1500-1511.	1.4	0
16	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.	1.4	0