

Majid Astaneh

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

231
citations

1163117

8
h-index

1372567

10
g-index

12
all docs

12
docs citations

12
times ranked

269
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiphysics simulation optimization framework for lithium-ion battery pack design for electric vehicle applications. <i>Energy</i> , 2022, 239, 122092.	8.8	22
2	Finite-size effects on heat and mass transfer in porous electrodes. <i>International Journal of Thermal Sciences</i> , 2022, 179, 107610.	4.9	4
3	A Multiphysics System-to-Cell Framework to Assess the Impact of Operating Conditions of Standalone PV Systems on Lithium-Ion Battery Lifetime. <i>Electronics (Switzerland)</i> , 2021, 10, 2582.	3.1	0
4	Calibration Optimization Methodology for Lithium-Ion Battery Pack Model for Electric Vehicles in Mining Applications. <i>Energies</i> , 2020, 13, 3532.	3.1	16
5	Long-term degradation based analysis for lithium-ion batteries in off-grid wind-battery renewable energy systems. <i>Energy</i> , 2019, 166, 1194-1206.	8.8	35
6	Technical, economic and environmental optimization of combined heat and power systems based on solid oxide fuel cell for a greenhouse case study. <i>Energy Conversion and Management</i> , 2018, 164, 144-156.	9.2	37
7	A computationally efficient Li-ion electrochemical battery model for long-term analysis of stand-alone renewable energy systems. <i>Journal of Energy Storage</i> , 2018, 17, 93-101.	8.1	27
8	A novel framework for optimization of size and control strategy of lithium-ion battery based off-grid renewable energy systems. <i>Energy Conversion and Management</i> , 2018, 175, 99-111.	9.2	45
9	A novel lifetime prediction method for lithium-ion batteries in the case of stand-alone renewable energy systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2018, 103, 115-126.	5.5	28
10	Reducing CO ₂ emission from exhaust gases using molten carbonate fuel cells: a new approach. <i>International Journal of Ambient Energy</i> , 2016, 37, 331-340.	2.5	5
11	Multi-objective optimization of molten carbonate fuel cell system for reducing CO ₂ emission from exhaust gases. <i>Frontiers in Energy</i> , 2015, 9, 106-114.	2.3	12
12	Analysis of power supply possibilities through lithium batteries connected to the AC grid. <i>Renewable Energy and Power Quality Journal</i> , 0, 1, 451-455.	0.2	0