

Danial Karimi

List of Publications by Citations

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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.

28

papers

534

citations

15

h-index

22

g-index

30

ext. papers

938

ext. citations

5.3

avg, IF

4.83

L-index

#	Paper	IF	Citations
28	A new concept of thermal management system in Li-ion battery using air cooling and heat pipe for electric vehicles. <i>Applied Thermal Engineering</i> , 2020 , 174, 115280	5.8	77
27	A novel liquid cooling plate concept for thermal management of lithium-ion batteries in electric vehicles. <i>Energy Conversion and Management</i> , 2021 , 231, 113862	10.6	52
26	Thermal management analysis using heat pipe in the high current discharging of lithium-ion battery in electric vehicles. <i>Journal of Energy Storage</i> , 2020 , 32, 101893	7.8	48
25	Online health diagnosis of lithium-ion batteries based on nonlinear autoregressive neural network. <i>Applied Energy</i> , 2021 , 282, 116159	10.7	36
24	PCM assisted heat pipe cooling system for the thermal management of an LTO cell for high-current profiles. <i>Case Studies in Thermal Engineering</i> , 2021 , 25, 100920	5.6	29
23	Thermal performance enhancement of phase change material using aluminum-mesh grid foil for lithium-capacitor modules. <i>Journal of Energy Storage</i> , 2020 , 30, 101508	7.8	28
22	Electro-aging model development of nickel-manganese-cobalt lithium-ion technology validated with light and heavy-duty real-life profiles. <i>Journal of Energy Storage</i> , 2020 , 28, 101265	7.8	27
21	Heat pipe air-cooled thermal management system for lithium-ion batteries: High power applications. <i>Applied Thermal Engineering</i> , 2021 , 183, 116240	5.8	27
20	A compact and optimized liquid-cooled thermal management system for high power lithium-ion capacitors. <i>Applied Thermal Engineering</i> , 2021 , 185, 116449	5.8	23
19	Novel thermal management methods to improve the performance of the Li-ion batteries in high discharge current applications. <i>Energy</i> , 2021 , 224, 120165	7.9	22
18	A comparative study between air cooling and liquid cooling thermal management systems for a high-energy lithium-ion battery module. <i>Applied Thermal Engineering</i> , 2021 , 198, 117503	5.8	22
17	Investigation of a Passive Thermal Management System for Lithium-Ion Capacitors. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 10518-10524	6.8	18
16	Lithium-Ion Capacitor Lifetime Extension through an Optimal Thermal Management System for Smart Grid Applications. <i>Energies</i> , 2021 , 14, 2907	3.1	17
15	Comprehensive Passive Thermal Management Systems for Electric Vehicles. <i>Energies</i> , 2021 , 14, 3881	3.1	17
14	Thermal Concept Design of MOSFET Power Modules in Inverter Subsystems for Electric Vehicles 2019 ,		15
13	A hybrid thermal management system for high power lithium-ion capacitors combining heat pipe with phase change materials. <i>Heliyon</i> , 2021 , 7, e07773	3.6	13
12	Holistic 1D Electro-Thermal Model Coupled to 3D Thermal Model for Hybrid Passive Cooling System Analysis in Electric Vehicles. <i>Energies</i> , 2021 , 14, 5924	3.1	11

11	Enhancement of the Thermal Energy Storage Using Heat-Pipe-Assisted Phase Change Material. <i>Energies</i> , 2021 , 14, 6176	3.1	10
10	Aluminum Heat Sink Assisted Air-Cooling Thermal Management System for High Current Applications in Electric Vehicles 2020 ,		7
9	Twin-model framework development for a comprehensive battery lifetime prediction validated with a realistic driving profile. <i>Energy Science and Engineering</i> , 2021 , 9, 2191	3.4	6
8	Optimization of 1D/3D Electro-Thermal Model for Liquid-Cooled Lithium-Ion Capacitor Module in High Power Applications. <i>Electricity</i> , 2021 , 2, 503-523	1	5
7	A Novel Air-Cooled Thermal Management Approach towards High-Power Lithium-Ion Capacitor Module for Electric Vehicles. <i>Energies</i> , 2021 , 14, 7150	3.1	5
6	Experimental and numerical thermal analysis of a lithium-ion battery module based on a novel liquid cooling plate embedded with phase change material. <i>Journal of Energy Storage</i> , 2022 , 50, 104673	7.8	5
5	Developing an online data-driven approach for prognostics and health management of lithium-ion batteries. <i>Applied Energy</i> , 2022 , 308, 118348	10.7	3
4	Advanced hybrid thermal management system for LTO battery module under fast charging. <i>Case Studies in Thermal Engineering</i> , 2022 , 33, 101938	5.6	3
3	A Comprehensive Review of Lithium-Ion Capacitor Technology: Theory, Development, Modeling, Thermal Management Systems, and Applications. <i>Molecules</i> , 2022 , 27, 3119	4.8	3
2	An Experimental Study on Thermal Performance of Graphite-Based Phase-Change Materials for High-Power Batteries. <i>Energies</i> , 2022 , 15, 2515	3.1	2
1	Novel Hybrid Thermal Management System for High-Power Lithium-Ion Module for Electric Vehicles: Fast Charging Applications. <i>World Electric Vehicle Journal</i> , 2022 , 13, 86	2.5	2