

# Shashank Arora

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

561  
citations

1040056

9  
h-index

1474206

9  
g-index

19  
all docs

19  
docs citations

19  
times ranked

573  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selection of thermal management system for modular battery packs of electric vehicles: A review of existing and emerging technologies. <i>Journal of Power Sources</i> , 2018, 400, 621-640.	7.8	180
2	Review of mechanical design and strategic placement technique of a robust battery pack for electric vehicles. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 60, 1319-1331.	16.4	177
3	Neural network based computational model for estimation of heat generation in LiFePO <sub>4</sub> pouch cells of different nominal capacities. <i>Computers and Chemical Engineering</i> , 2017, 101, 81-94.	3.8	44
4	A novel thermal management system for improving discharge/charge performance of Li-ion battery packs under abuse. <i>Journal of Power Sources</i> , 2018, 378, 759-775.	7.8	35
5	Application of Robust Design Methodology to Battery Packs for Electric Vehicles: Identification of Critical Technical Requirements for Modular Architecture. <i>Batteries</i> , 2018, 4, 30.	4.5	30
6	Critical analysis of open circuit voltage and its effect on estimation of irreversible heat for Li-ion pouch cells. <i>Journal of Power Sources</i> , 2017, 350, 117-126.	7.8	21
7	Mechanical Design and Packaging of Battery Packs for Electric Vehicles. <i>Green Energy and Technology</i> , 2018, , 175-200.	0.6	21
8	Comparing seven methods for state-of-health time series prediction for the lithium-ion battery packs of forklifts. <i>Applied Soft Computing Journal</i> , 2021, 111, 107670.	7.2	17
9	Experimental Study of Heat Generation Rate during Discharge of LiFePO <sub>4</sub> Pouch Cells of Different Nominal Capacities and Thickness. <i>Batteries</i> , 2019, 5, 70.	4.5	16
10	Battery Packaging and System Design for an Electric Vehicle. , 2015, , .		5
11	Designing a Robust Battery Pack for Electric Vehicles Using a Modified Parameter Diagram. , 2015, , .		3
12	A Hybrid Thermal Management System With Negative Parasitic Losses for Electric Vehicle Battery Packs. , 2018, , .		3
13	Charging Technologies and Standards Applicable to Heavy-duty Electric Vehicles. , 2021, , 135-155.		3
14	Battery Management System: Charge Balancing and Temperature Control. , 2021, , 173-203.		3
15	A Novel Technique for Estimation of the Solid Electrolyte Interphase Film Resistance for Li-Ion Batteries. , 2018, , .		1
16	EV Battery Pack Engineeringâ€”Electrical Design and Mechanical Design. , 2021, , 105-134.		1
17	Materials and Manufacturing Methods for Advanced Li-ion Batteries. , 2021, , 69-104.		1
18	Technology Roadmap for Heavy-duty Electric Vehicles. , 2021, , 219-239.		0

#	ARTICLE	IF	CITATIONS
19	Cycle Life Assessment of Commercial Cells with Ni-Rich Cathode and Si-Graphite Anode: Are Advanced Batteries for Real?. ECS Meeting Abstracts, 2020, MA2020-02, 457-457.	0.0	0