

Shovon Goutam

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

961
citations

933447

10
h-index

1372567

10
g-index

13
all docs

13
docs citations

13
times ranked

1053
citing authors

#	ARTICLE	IF	CITATIONS
1	Concept of reliability and safety assessment of lithium-ion batteries in electric vehicles: Basics, progress, and challenges. Applied Energy, 2019, 251, 113343.	10.1	244
2	Comparative Study on Parameter Identification Methods for Dual-Polarization Lithium-Ion Equivalent Circuit Model. Energies, 2019, 12, 4031.	3.1	38
3	Technical Viability of Battery Second Life: A Study From the Ageing Perspective. IEEE Transactions on Industry Applications, 2018, 54, 2703-2713.	4.9	145
4	Complete cell-level lithium-ion electrical ECM model for different chemistries (NMC, LFP, LTO) and temperatures (5°C to 45°C) – Optimized modelling techniques. International Journal of Electrical Power and Energy Systems, 2018, 98, 133-146.	5.5	51
5	Review of Nanotechnology for Anode Materials in Batteries. , 2017, , 45-82.		10
6	Combined cycling and calendar capacity fade modeling of a Nickel-Manganese-Cobalt Oxide Cell with real-life profile validation. Applied Energy, 2017, 200, 47-61.	10.1	158
7	Development of a Two-Dimensional-Thermal Model of Three Battery Chemistries. IEEE Transactions on Energy Conversion, 2017, 32, 1447-1455.	5.2	31
8	Three-dimensional electro-thermal model of li-ion pouch cell: Analysis and comparison of cell design factors and model assumptions. Applied Thermal Engineering, 2017, 126, 796-808.	6.0	97
9	A Comprehensive Study on Rechargeable Energy Storage Technologies. Journal of Electrochemical Energy Conversion and Storage, 2016, 13, .	2.1	25
10	Evaluation of lithium-ion battery second life performance and degradation. , 2016, , .		31
11	The Second Life Ageing of the NMC/C Electric Vehicle Retired Li-Ion Batteries in the Stationary Applications. ECS Transactions, 2016, 74, 55-62.	0.5	11
12	Batteries 2020 – Lithium-ion battery first and second life ageing, validated battery models, lifetime modelling and ageing assessment of thermal parameters. , 2016, , .		29
13	Comparative Study of Surface Temperature Behavior of Commercial Li-Ion Pouch Cells of Different Chemistries and Capacities by Infrared Thermography. Energies, 2015, 8, 8175-8192.	3.1	91