

Rahul Gopalakrishnan

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

901
citations

1163117

8
h-index

1125743

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14
all docs

14
docs citations

14
times ranked

1123
citing authors

#	ARTICLE	IF	CITATIONS
1	A quick on-line state of health estimation method for Li-ion battery with incremental capacity curves processed by Gaussian filter. <i>Journal of Power Sources</i> , 2018, 373, 40-53.	7.8	353
2	Concept of reliability and safety assessment of lithium-ion batteries in electric vehicles: Basics, progress, and challenges. <i>Applied Energy</i> , 2019, 251, 113343.	10.1	244
3	Lithium Ion Batteriesâ€™ Development of Advanced Electrical Equivalent Circuit Models for Nickel Manganese Cobalt Lithium-Ion. <i>Energies</i> , 2016, 9, 360.	3.1	69
4	Influence of Electrode Density on the Performance of Li-Ion Batteries: Experimental and Simulation Results. <i>Energies</i> , 2016, 9, 104.	3.1	49
5	Electrochemical lithium insertion behavior of FeNbO ₄ : Structural relations and in situ conversion into FeNb ₂ O ₆ during carbon coating. <i>Materials Chemistry and Physics</i> , 2014, 145, 425-433.	4.0	41
6	On the Ageing of High Energy Lithium-Ion Batteriesâ€™ Comprehensive Electrochemical Diffusivity Studies of Harvested Nickel Manganese Cobalt Electrodes. <i>Materials</i> , 2018, 11, 176.	2.9	35
7	Batteries 2020 â€™ Lithium-ion battery first and second life ageing, validated battery models, lifetime modelling and ageing assessment of thermal parameters. , 2016, , .		29
8	Electrochemical impedance spectroscopy characterization and parameterization of lithium nickel manganese cobalt oxide pouch cells: dependency analysis of temperature and state of charge. <i>Ionics</i> , 2019, 25, 111-123.	2.4	26
9	A Comprehensive Study on Rechargeable Energy Storage Technologies. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2016, 13, .	2.1	25
10	Methylmercury exposure develops atherosclerotic risk factors in the aorta and programmed cell death in the cerebellum: ameliorative action of <i>Celastrus paniculatus</i> ethanolic extract in male Wistar rats. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30212-30223.	5.3	7
11	Impact of the Temperature in the Evaluation of Battery Performances During Long-Term Cyclingâ€™ Characterisation and Modelling. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1364.	2.5	7
12	Impact of Relaxation Time on Electrochemical Impedance Spectroscopy Characterization of the Most Common Lithium Battery Technologiesâ€™ Experimental Study and Chemistry-Neutral Modeling. <i>World Electric Vehicle Journal</i> , 2021, 12, 77.	3.0	7
13	Effect of Separator and Electrolyte on Activation Energy for NMC Electrodes in Lithium-Ion Batteries. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	1