

Rahul Gopalakrishnan

List of Publications by Year in descending order

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13
papers

901
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1123
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Impact of Relaxation Time on Electrochemical Impedance Spectroscopy Characterization of the Most Common Lithium Battery Technologies—Experimental Study and Chemistry-Neutral Modeling. <i>World Electric Vehicle Journal</i> , 2021, 12, 77. | 3.0 | 7 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | On the Ageing of High Energy Lithium-Ion Batteries—Comprehensive Electrochemical Diffusivity Studies of Harvested Nickel Manganese Cobalt Electrodes. <i>Materials</i> , 2018, 11, 176. | 2.9 | 35 |
| 6 | 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 |
| 7 | Impact of the Temperature in the Evaluation of Battery Performances During Long-Term Cycling—Characterisation and Modelling. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1364. | 2.5 | 7 |
| 8 | Effect of Separator and Electrolyte on Activation Energy for NMC Electrodes in Lithium-Ion Batteries. <i>ECS Meeting Abstracts</i> , 2017, , . | 0.0 | 1 |
| 9 | Lithium Ion Batteries—Development of Advanced Electrical Equivalent Circuit Models for Nickel Manganese Cobalt Lithium-Ion. <i>Energies</i> , 2016, 9, 360. | 3.1 | 69 |
| 10 | Influence of Electrode Density on the Performance of Li-Ion Batteries: Experimental and Simulation Results. <i>Energies</i> , 2016, 9, 104. | 3.1 | 49 |
| 11 | A Comprehensive Study on Rechargeable Energy Storage Technologies. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2016, 13, . | 2.1 | 25 |
| 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 | 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 |