

# Shovon Goutam

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8166386/publications.pdf>

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