Saurabh Saxena

List of Publications by Year
in descending order

20 papers	813 citations	840776 11 h-index	839539 18 g-index
21 all docs	21 docs citations	21 times ranked	708 citing authors

#	Article	IF	Citations
1	Machine learning pipeline for battery state-of-health estimation. Nature Machine Intelligence, 2021, 3, 447-456.	16.0	227
2	Cycle life testing and modeling of graphite/LiCoO2 cells under different state of charge ranges. Journal of Power Sources, 2016, 327, 394-400.	7.8	121
3	Accelerated cycle life testing and capacity degradation modeling of LiCoO2-graphite cells. Journal of Power Sources, 2019, 435, 226830.	7.8	89
4	Accelerated degradation model for C-rate loading of lithium-ion batteries. International Journal of Electrical Power and Energy Systems, 2019, 107, 438-445.	5.5	72
5	Analysis of Manufacturing-Induced Defects and Structural Deformations in Lithium-Ion Batteries Using Computed Tomography. Energies, 2018, 11, 925.	3.1	68
6	Algorithm to Determine the Knee Point on Capacity Fade Curves of Lithium-Ion Cells. Energies, 2019, 12, 2910.	3.1	61
7	Exploding E-Cigarettes: A Battery Safety Issue. IEEE Access, 2018, 6, 21442-21466.	4.2	38
8	A convolutional neural network model for battery capacity fade curve prediction using early life data. Journal of Power Sources, 2022, 542, 231736.	7.8	29
9	Batteries in Portable Electronic Devices: A User's Perspective. IEEE Industrial Electronics Magazine, 2017, 11, 35-44.	2.6	20
10	Battery Stress Factor Ranking for Accelerated Degradation Test Planning Using Machine Learning. Energies, 2021, 14, 723.	3.1	16
11	Derating Guidelines for Lithium-Ion Batteries. Energies, 2018, 11, 3295.	3.1	13
12	Evaluation of Present Accelerated Temperature Testing and Modeling of Batteries. Applied Sciences (Switzerland), 2018, 8, 1786.	2.5	12
13	The Explosive Nature of Tab Burrs in Li-Ion Batteries. IEEE Access, 2019, 7, 45978-45982.	4.2	11
14	A Machine Learning Degradation Model for Electrochemical Capacitors Operated at High Temperature. IEEE Access, 2021, 9, 25544-25553.	4.2	11
15	A Unique Failure Mechanism in the Nexus 6P Lithium-Ion Battery. Energies, 2018, 11, 841.	3.1	7
16	Role of the rest period in capacity fade of Graphite/LiCoO2 batteries. Journal of Power Sources, 2021, 484, 229246.	7.8	7
17	Analysis of Specified Capacity in Power Banks. IEEE Access, 2020, 8, 21326-21332.	4.2	5
18	Anomaly Detection During Lithium-ion Battery Qualification Testing. , 2018, , .		2

#	Article	IF	Citations
19	Thermal Runaway Characterization of Li-Ion Batteries Under External Heating Conditions. ECS Meeting Abstracts, 2017, , .	0.0	1
20	X-ray based non-destructive method for alkaline coin cell quality assurance. Journal of Energy Storage, 2020, 30, 101476.	8.1	0