Saurabh Saxena

List of Publications by Year
in descending order

20	813	840776	839539
papers	citations	11	18
		h-index	g-index

21	21	21	708
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Role of the rest period in capacity fade of Graphite/LiCoO2 batteries. Journal of Power Sources, 2021, 484, 229246.	7.8	7
3	A Machine Learning Degradation Model for Electrochemical Capacitors Operated at High Temperature. IEEE Access, 2021, 9, 25544-25553.	4.2	11
4	Battery Stress Factor Ranking for Accelerated Degradation Test Planning Using Machine Learning. Energies, 2021, 14, 723.	3.1	16
5	Machine learning pipeline for battery state-of-health estimation. Nature Machine Intelligence, 2021, 3, 447-456.	16.0	227
6	X-ray based non-destructive method for alkaline coin cell quality assurance. Journal of Energy Storage, 2020, 30, 101476.	8.1	0
7	Analysis of Specified Capacity in Power Banks. IEEE Access, 2020, 8, 21326-21332.	4.2	5
8	Algorithm to Determine the Knee Point on Capacity Fade Curves of Lithium-Ion Cells. Energies, 2019, 12, 2910.	3.1	61
9	Accelerated cycle life testing and capacity degradation modeling of LiCoO2-graphite cells. Journal of Power Sources, 2019, 435, 226830.	7.8	89
10	The Explosive Nature of Tab Burrs in Li-Ion Batteries. IEEE Access, 2019, 7, 45978-45982.	4.2	11
11	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
12	Exploding E-Cigarettes: A Battery Safety Issue. IEEE Access, 2018, 6, 21442-21466.	4.2	38
13	Derating Guidelines for Lithium-Ion Batteries. Energies, 2018, 11, 3295.	3.1	13
14	Evaluation of Present Accelerated Temperature Testing and Modeling of Batteries. Applied Sciences (Switzerland), 2018, 8, 1786.	2.5	12
15	Anomaly Detection During Lithium-ion Battery Qualification Testing. , 2018, , .		2
16	Analysis of Manufacturing-Induced Defects and Structural Deformations in Lithium-Ion Batteries Using Computed Tomography. Energies, 2018, 11, 925.	3.1	68
17	A Unique Failure Mechanism in the Nexus 6P Lithium-Ion Battery. Energies, 2018, 11, 841.	3.1	7
18	Batteries in Portable Electronic Devices: A User's Perspective. IEEE Industrial Electronics Magazine, 2017, 11, 35-44.	2.6	20

#	Article	IF	Citations
19	Thermal Runaway Characterization of Li-Ion Batteries Under External Heating Conditions. ECS Meeting Abstracts, 2017, , .	0.0	1
20	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