

Krishna Shah

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

424
citations

933447

10
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

380
citing authors

#	ARTICLE	IF	CITATIONS
1	The Importance of a Moving Boundary Approach for Modeling the SEI Layer Growth to Predict Capacity Fade. Journal of the Electrochemical Society, 2022, 169, 040548.	2.9	1
2	A General Three-Dimensional Electrochemical-Thermal Modeling Framework to Study Large-Format Batteries. ECS Meeting Abstracts, 2022, MA2022-01, 1214-1214.	0.0	1
3	Investigation of the Impact of Flow of Vented Gas on Propagation of Thermal Runaway in a Li-Ion Battery Pack. Journal of the Electrochemical Society, 2021, 168, 060555.	2.9	33
4	Perspectiveâ€”Mass Conservation in Models for Electrodeposition/Stripping in Lithium Metal Batteries. Journal of the Electrochemical Society, 2021, 168, 092502.	2.9	6
5	Investigation of the Impact of Radiative Shielding by Internal Partitions Walls on Propagation of Thermal Runaway in a Matrix of Cylindrical Li-Ion Cells. Journal of the Electrochemical Society, 2021, 168, 120507.	2.9	8
6	Editorsâ€™ Choiceâ€”Perspectiveâ€”Challenges in Moving to Multiscale Battery Models: Where Electrochemistry Meets and Demands More from Math. Journal of the Electrochemical Society, 2020, 167, 133501.	2.9	12
7	Prediction of thermal runaway and thermal management requirements in cylindrical Li-ion cells in realistic scenarios. International Journal of Energy Research, 2019, 43, 1827-1838.	4.5	23
8	Conjugate Heat Transfer Analysis of Thermal Management of a Li-Ion Battery Pack. Journal of Electrochemical Energy Conversion and Storage, 2018, 15, .	2.1	34
9	A Comprehensive Parametric Study of Minichannel Based Liquid Cooling of Li-Ion Battery Pack. , 2018, , .		0
10	Measurements and modeling to determine the critical temperature for preventing thermal runaway in Li-ion cells. Applied Thermal Engineering, 2018, 145, 287-294.	6.0	57
11	Measurement Sensitivity Analysis of the Transient Hot Source Technique Applied to Flat and Cylindrical Samples. Journal of Thermal Science and Engineering Applications, 2017, 9, .	1.5	2
12	An experimentally validated method for temperature prediction during cyclic operation of a Li-ion cell. International Journal of Heat and Mass Transfer, 2017, 112, 89-96.	4.8	24
13	Measurement of Multiscale Thermal Transport Phenomena in Li-Ion Cells: A Review. Journal of Electrochemical Energy Conversion and Storage, 2016, 13, .	2.1	58
14	Experimental and theoretical analysis of a method to predict thermal runaway in Li-ion cells. Journal of Power Sources, 2016, 330, 167-174.	7.8	110
15	An iterative, analytical method for solving conjugate heat transfer problems. International Journal of Heat and Mass Transfer, 2015, 90, 1232-1240.	4.8	12
16	An experimentally validated transient thermal model for cylindrical Li-ion cells. Journal of Power Sources, 2014, 271, 262-268.	7.8	43