Daniel Juarez Robles

List of Publications by Year
in descending order

17	560	623734 14	888059 17
papers	citations	h-index	g-index

17	17	17	668
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Degradation-Safety Analytics in Lithium-Ion Cells and Modules Part II. Overcharge and External Short Circuit Scenarios. Journal of the Electrochemical Society, 2021, 168, 050535.	2.9	12
2	Degradation-Safety Analytics in Lithium-Ion Cells and Modules: Part III. Aging and Safety of Pouch Format Cells. Journal of the Electrochemical Society, 2021, 168, 110501.	2.9	4
3	A Minimal Information Set To Enable Verifiable Theoretical Battery Research. ACS Energy Letters, 2021, 6, 3831-3835.	17.4	19
4	Overcharge and Aging Analytics of Li-Ion Cells. Journal of the Electrochemical Society, 2020, 167, 090547.	2.9	41
5	In Operando XANES Imaging of High Capacity Intermetallic Anodes for Lithium Ion Batteries. Journal of the Electrochemical Society, 2020, 167, 040523.	2.9	7
6	Overdischarge and Aging Analytics of Li-Ion Cells. Journal of the Electrochemical Society, 2020, 167, 090558.	2.9	30
7	Degradation-Safety Analytics in Lithium-Ion Cells: Part I. Aging under Charge/Discharge Cycling. Journal of the Electrochemical Society, 2020, 167, 160510.	2.9	32
8	Drying Temperature and Capillarity-Driven Crack Formation in Aqueous Processing of Li-Ion Battery Electrodes. ACS Applied Energy Materials, 2019, 2, 4464-4476.	5.1	39
9	Probing the cooling effectiveness of phase change materials on lithium-ion battery thermal response under overcharge condition. Applied Thermal Engineering, 2018, 132, 521-530.	6.0	51
10	Roadblocks in Cation Diffusion Pathways: Implications of Phase Boundaries for Li-Ion Diffusivity in an Intercalation Cathode Material. ACS Applied Materials & Interfaces, 2018, 10, 30901-30911.	8.0	19
11	Elucidating Copper Dissolution Phenomenon in Li-Ion Cells under Overdischarge Extremes. Journal of the Electrochemical Society, 2018, 165, A1639-A1647.	2.9	76
12	Impedance Evolution Characteristics in Lithium-Ion Batteries. Journal of the Electrochemical Society, 2017, 164, A837-A847.	2.9	49
13	Hierarchical Structured Cu/Ni/TiO₂ Nanocomposites as Electrodes for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 28695-28703.	8.0	21
14	Experimental study of the flow distribution uniformity in flow distributors having novel flow channel bifurcation structures. Experimental Thermal and Fluid Science, 2012, 37, 142-153.	2.7	38
15	Numerical investigation of the performance of symmetric flow distributors as flow channels for PEM fuel cells. International Journal of Hydrogen Energy, 2012, 37, 436-448.	7.1	47
16	Multiple concentric spirals for the flow field of a proton exchange membrane fuel cell. Journal of Power Sources, 2011, 196, 8019-8030.	7.8	42
17	Entropy generation analysis of a proton exchange membrane fuel cell (PEMFC) with a fermat spiral as a flow distributor. Energy, 2011, 36, 4864-4870.	8.8	33