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	Elucidating Copper Dissolution Phenomenon in Li-Ion Cells under Overdischarge Extremes. Journal of the Electrochemical Society, 2018, 165, A1639-A1647.	2.9	76
2	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
3	Impedance Evolution Characteristics in Lithium-Ion Batteries. Journal of the Electrochemical Society, 2017, 164, A837-A847.	2.9	49
4	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
5	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
6	Overcharge and Aging Analytics of Li-Ion Cells. Journal of the Electrochemical Society, 2020, 167, 090547.	2.9	41
7	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
8	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
9	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
10	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
11	Overdischarge and Aging Analytics of Li-Ion Cells. Journal of the Electrochemical Society, 2020, 167, 090558.	2.9	30
12	Hierarchical Structured Cu/Ni/TiO₂ Nanocomposites as Electrodes for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 28695-28703.	8.0	21
13	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
14	A Minimal Information Set To Enable Verifiable Theoretical Battery Research. ACS Energy Letters, 2021, 6, 3831-3835.	17.4	19
15	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
16	In Operando XANES Imaging of High Capacity Intermetallic Anodes for Lithium Ion Batteries. Journal of the Electrochemical Society, 2020, 167, 040523.	2.9	7
17	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