Marissa Wood

List of Publications by Year
in descending order

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16 papers	959 citations	623734 14 h-index	996975 15 g-index
17 all docs	17 docs citations	17 times ranked	1473 citing authors

#	Article	IF	Citations
1	Toward Low-Cost, High-Energy Density, and High-Power Density Lithium-Ion Batteries. Jom, 2017, 69, 1484-1496.	1.9	186
2	Chemical stability and long-term cell performance of low-cobalt, Ni-Rich cathodes prepared by aqueous processing for high-energy Li-Ion batteries. Energy Storage Materials, 2020, 24, 188-197.	18.0	155
3	Nanoscale Electrochemistry. Analytical Chemistry, 2013, 85, 473-486.	6.5	146
4	A Silica Nanochannel and Its Applications in Sensing and Molecular Transport. Analytical Chemistry, 2009, 81, 5541-5548.	6.5	77
5	Selecting the Best Graphite for Long-Life, High-Energy Li-Ion Batteries. Journal of the Electrochemical Society, 2018, 165, A1837-A1845.	2.9	65
6	Balancing formation time and electrochemical performance of high energy lithium-ion batteries. Journal of Power Sources, 2018, 402, 107-115.	7.8	56
7	Perspectives on the relationship between materials chemistry and roll-to-roll electrode manufacturing for high-energy lithium-ion batteries. Energy Storage Materials, 2020, 29, 254-265.	18.0	54
8	Impact of secondary particle size and two-layer architectures on the high-rate performance of thick electrodes in lithium-ion battery pouch cells. Journal of Power Sources, 2021, 515, 230429.	7.8	41
9	Three-dimensional conductive network formed by carbon nanotubes in aqueous processed NMC electrode. Electrochimica Acta, 2018, 270, 54-61.	5.2	39
10	Bipolar Electrochemical Method for Dynamic In Situ Control of Single Metal Nanowire Growth. ACS Nano, 2015, 9, 2454-2464.	14.6	35
11	Microstructural impacts on ionic conductivity of oxide solid electrolytes from a combined atomistic-mesoscale approach. Npj Computational Materials, 2021, 7, .	8.7	25
12	Exploring the relationship between solvent-assisted ball milling, particle size, and sintering temperature in garnet-type solid electrolytes. Journal of Power Sources, 2021, 484, 229252.	7.8	23
13	3D Printed Nickelâ€“Molybdenum-Based Electrocatalysts for Hydrogen Evolution at Low Overpotentials in a Flow-Through Configuration. ACS Applied Materials & Interfaces, 2021, 13, 20260-20268.	8.0	22
14	Fast Permeation of Small Ions in Carbon Nanotubes. Advanced Science, 2021, 8, 2001802.	11.2	19
15	Towards understanding particle rigid-body motion during solid-state sintering. Journal of the European Ceramic Society, 2021, 41, 211-231.	5.7	16
16	3D Printing of Solid-State Electrolytes for Li-Ion Batteries: Processing and Morphology Optimization. ECS Meeting Abstracts, 2019, , .	0.0	0