

Yulun Zhang

List of Publications by Year in descending order

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13
papers

204
citations

1307594

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1372567

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docs citations

13
times ranked

333
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Energy Lateral Mapping (HELM) Studies of Inhomogeneity and Failure Mechanisms in NMC622/Li Pouch Cells. Chemistry of Materials, 2021, 33, 2378-2386.	6.7	16
2	Quantitative Failure Analysis for Battery Safety. ECS Meeting Abstracts, 2021, MA2021-01, 269-269.	0.0	0
3	(Invited) Can Fast Charging Rechargeable Lithium Batteries be a Reality?. ECS Meeting Abstracts, 2021, MA2021-01, 162-162.	0.0	0
4	Status and Gap in Rechargeable Lithium Battery Supply Chain: Importance of Quantitative Failure Analysis. Proceedings of the IEEE, 2021, 109, 1029-1038.	21.3	4
5	Cell degradation quantification—a performance metric-based approach. JPhys Energy, 2020, 2, 034003.	5.3	1
6	Dual Functional Ni ₃ S ₂ @Ni Core-Shell Nanoparticles Decorating Nanoporous Carbon as Cathode Scaffolds for Lithium-Sulfur Battery with Lean Electrolytes. ACS Applied Energy Materials, 2020, 3, 4173-4179.	5.1	19
7	A Quantitative Failure Analysis on Capacity Fade in Rechargeable Lithium Metal Cells. Journal of the Electrochemical Society, 2020, 167, 090502.	2.9	5
8	A High-Pressure System for Studying Oxygen Reduction During Pt Nanoparticle Collisions. Journal of the Electrochemical Society, 2020, 167, 166507.	2.9	9
9	(Invited) How Well Cathode Materials are Being Used in Rechargeable Li Batteries. ECS Meeting Abstracts, 2020, MA2020-02, 34-34.	0.0	0
10	Nanopipettes as a tool for single nanoparticle electrochemistry. Current Opinion in Electrochemistry, 2017, 6, 4-9.	4.8	30
11	Single Nanochannel Platform for Detecting Chiral Drugs. Analytical Chemistry, 2017, 89, 1110-1116.	6.5	70
12	Three-Dimensional Super-resolution Imaging of Single Nanoparticles Delivered by Pipettes. ACS Nano, 2017, 11, 10529-10538.	14.6	30
13	Multipass Resistive-Pulse Observations of the Rotational Tumbling of Individual Nanorods. Journal of Physical Chemistry C, 2016, 120, 20781-20788.	3.1	20