

# Yulun Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8050951/publications.pdf>

Version: 2024-02-01

13  
papers

204  
citations

1307594

7  
h-index

1372567

10  
g-index

13  
all docs

13  
docs citations

13  
times ranked

333  
citing authors

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