

Zhijie Yang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8093748/publications.pdf>

Version: 2024-02-01

17
papers

660
citations

840776

11
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

713
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase segregation reversibility in mixed-metal hydroxide water oxidation catalysts. <i>Nature Catalysis</i> , 2020, 3, 743-753.	34.4	199
2	Structural and Electrochemical Impacts of Mg/Mn Dual Dopants on the LiNiO_2 Cathode in Li-Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12874-12882.	8.0	75
3	Sustainable Electric Vehicle Batteries for a Sustainable World: Perspectives on Battery Cathodes, Environment, Supply Chain, Manufacturing, Life Cycle, and Policy. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	72
4	Probing and quantifying cathode charge heterogeneity in Li ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23628-23661.	10.3	55
5	Electrolyte Regulating toward Stabilization of Cobalt-Free Ultrahigh-Nickel Layered Oxide Cathode in Lithium-Ion Batteries. <i>ACS Energy Letters</i> , 2021, 6, 1324-1332.	17.4	53
6	Enhancing surface oxygen retention through theory-guided doping selection in $\text{Li}_{1-x}\text{NiO}_2$ for next-generation lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 23293-23303.	10.3	44
7	A Surface Chemistry Approach to Tailoring the Hydrophilicity and Lithiophilicity of Carbon Films for Hosting High-Performance Lithium Metal Anodes. <i>Advanced Functional Materials</i> , 2020, 30, 2000585.	14.9	37
8	Probing Dopant Redistribution, Phase Propagation, and Local Chemical Changes in the Synthesis of Layered Oxide Battery Cathodes. <i>Advanced Energy Materials</i> , 2021, 11, .	19.5	28
9	Multiphase, Multiscale Chemomechanics at Extreme Low Temperatures: Battery Electrodes for Operation in a Wide Temperature Range. <i>Advanced Energy Materials</i> , 2021, 11, 2102122.	19.5	27
10	Effect of the grain arrangements on the thermal stability of polycrystalline nickel-rich lithium-based battery cathodes. <i>Nature Communications</i> , 2022, 13, .	12.8	16
11	Chemical Modulation of Local Transition Metal Environment Enables Reversible Oxygen Redox in Mn-Based Layered Cathodes. <i>ACS Energy Letters</i> , 2021, 6, 2882-2890.	17.4	15
12	Mapping Lattice Distortions in $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ Cathode Materials. <i>ACS Energy Letters</i> , 2022, 7, 690-695.	17.4	14
13	New Insights into Structural Evolution of LiNiO_2 Revealed by Operando Neutron Diffraction. <i>Batteries and Supercaps</i> , 2021, 4, 1701-1707.	4.7	8
14	Facile Dual-Protection Layer and Advanced Electrolyte Enhancing Performances of Cobalt-free/Nickel-rich Cathodes in Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17405-17414.	8.0	8
15	Heterogeneous, Defect-Rich Battery Particles and Electrodes: Why Do They Matter, and How Can One Leverage Them?. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9618-9629.	3.1	7
16	Multiscale Doping Chemistry in Co-Free High Energy Layered Cathodes. , 2022, , 14-23.		1
17	New Insights into Structural Evolution of LiNiO_2 Revealed by Operando Neutron Diffraction. <i>Batteries and Supercaps</i> , 0, , .	4.7	0