

Shiyuan Zhou

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6831268/publications.pdf>

Version: 2024-02-01

23
papers

590
citations

687363

13
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

649
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structural design of exposed planes: express channels, high-rate capability cathodes for lithium-ion batteries. <i>Nanoscale</i> , 2018, 10, 17435-17455.	5.6	82
2	In Situ Atomic-Scale Observation of Reversible Potassium Storage in Sb_2S_3 @ Carbon Nanowire Anodes. <i>Advanced Functional Materials</i> , 2020, 30, 2005417.	14.9	75
3	Long-Life Aqueous Zn^{2+} Battery Enabled by a Low-Cost Multifunctional Zeolite Membrane Separator. <i>Nano Letters</i> , 2022, 22, 2538-2546.	9.1	65
4	A Biconcave-Alleviated Strategy to Construct <i>Aspergillus niger</i> -Derived Carbon/ MoS_2 for Ultrastable Sodium Ion Storage. <i>ACS Nano</i> , 2021, 15, 13814-13825.	14.6	49
5	Strong lithium polysulfides chemical trapping of TiC-TiO ₂ /S composite for long-cycle lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2019, 298, 43-51.	5.2	46
6	Biomimetic micro cell cathode for high performance lithium-sulfur batteries. <i>Nano Energy</i> , 2020, 72, 104680.	16.0	42
7	Efficient diffusion of superdense lithium via atomic channels for dendrite-free lithium-metal batteries. <i>Energy and Environmental Science</i> , 2022, 15, 196-205.	30.8	27
8	A box-in-fibers strategy to construct a necklace-like conductive network for high-rate and high-loading lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11327-11336.	10.3	24
9	Stabilizing Li_2O Batteries with Multifunctional Fluorinated Graphene. <i>Nano Letters</i> , 2022, 22, 4985-4992.	9.1	24
10	Enhancing Li ion transfer efficacy in PEO-based solid polymer electrolytes to promote cycling stability of Li-metal batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 16087-16094.	10.3	24
11	Structural design and material preparation of carbon-based electrodes for high-performance lithium storage systems. <i>Carbon</i> , 2019, 144, 127-146.	10.3	22
12	CeO ₃ -supported monodispersed MoO ₃ clusters for high-efficiency electrochemical nitrogen reduction under ambient condition. <i>Journal of Energy Chemistry</i> , 2021, 56, 186-192.	12.9	20
13	Nonvolatile and Nonflammable Sulfolane-Based Electrolyte Achieving Effective and Safe Operation of the Li_2O Battery in Open O_2 Environment. <i>Nano Letters</i> , 2022, 22, 815-821.	9.1	16
14	Reasonably Introduced ZnIn_2S_4 @ C to Mediate Polysulfide Redox for Long-Life Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14169-14180.	8.0	13
15	Hierarchical desert-waves-like $\text{LiNi}_0.5\text{Mn}_1.5\text{O}_4$ as advanced cathodes with superior rate capability and cycling stability. <i>Materials Today Energy</i> , 2019, 14, 100363.	4.7	11
16	Hierarchical $\text{LiNi}_0.5\text{Mn}_1.5\text{O}_4$ micro-rods with enhanced rate performance for lithium-ion batteries. <i>Journal of Materials Science</i> , 2018, 53, 9710-9720.	3.7	10
17	Facile synthesis of $\text{Co}_3\text{Mn}_x\text{O}_4/\text{C}$ nanocages as an efficient sulfur host for lithium-sulfur batteries with enhanced rate performance. <i>Dalton Transactions</i> , 2020, 49, 8591-8600.	3.3	9
18	Hierarchical Fusiform Microrods Constructed by Parallely Arranged Nanoplatelets of LiCoO_2 Material with Ultrahigh Rate Performance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17376-17384.	8.0	9

#	ARTICLE	IF	CITATIONS
19	Bricklike $\text{Ca}_{9}\text{Co}_{12}\text{O}_{28}$ as an Active/Inactive Composite for Lithium-Ion Batteries with Enhanced Rate Performances. <i>ACS Omega</i> , 2019, 4, 6452-6458.	3.5	7
20	Shaping and Edge Engineering of Few-Layered Freestanding Graphene Sheets in a Transmission Electron Microscope. <i>Nano Letters</i> , 2020, 20, 2279-2287.	9.1	5
21	Copper Substitution in P2-Type Sodium Layered Oxide To Mitigate Phase Transition and Enhance Cyclability of Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29813-29821.	8.0	4
22	Hierarchical $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ microspheres assembled with nanorice and their enhanced rates performance. <i>Materials Letters</i> , 2019, 236, 653-656.	2.6	3
23	Cation-Gated Ion Transport at Nanometer Scale for Tunable Power Generation. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2625-2631.	4.6	3