Shiyuan Zhou

List of Publications by Year
in descending order

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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	Efficient diffusion of superdense lithium via atomic channels for dendrite-free lithiumâ€“metal batteries. Energy and Environmental Science, 2022, 15, 196-205.	30.8	27
2	Nonvolatile and Nonflammable Sulfolane-Based Electrolyte Achieving Effective and Safe Operation of the Liâ€“O₂ Battery in Open O₂ Environment. Nano Letters, 2022, 22, 815-821.	9.1	16
3	Cation-Gated Ion Transport at Nanometer Scale for Tunable Power Generation. Journal of Physical Chemistry Letters, 2022, 13, 2625-2631.	4.6	3
4	Long-Life Aqueous Znâ€“I₂ Battery Enabled by a Low-Cost Multifunctional Zeolite Membrane Separator. Nano Letters, 2022, 22, 2538-2546.	9.1	65
5	Copper Substitution in P2-Type Sodium Layered Oxide To Mitigate Phase Transition and Enhance Cyclability of Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 29813-29821.	8.0	4
6	Stabilizing Liâ€“O₂ Batteries with Multifunctional Fluorinated Graphene. Nano Letters, 2022, 22, 4985-4992.	9.1	24
7	Enhancing Li ion transfer efficacy in PEO-based solid polymer electrolytes to promote cycling stability of Li-metal batteries. Journal of Materials Chemistry A, 2022, 10, 16087-16094.	10.3	24
8	CeO -supported monodispersed MoO3 clusters for high-efficiency electrochemical nitrogen reduction under ambient condition. Journal of Energy Chemistry, 2021, 56, 186-192.	12.9	20
9	Reasonably Introduced ZnIn₂S₄@C to Mediate Polysulfide Redox for Long-Life Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2021, 13, 14169-14180.	8.0	13
10	A â€œBiconcave-Alleviatedâ€•Strategy to Construct Aspergillus niger-Derived Carbon/MoS₂ for Ultrastable Sodium Ion Storage. ACS Nano, 2021, 15, 13814-13825.	14.6	49
11	Shaping and Edge Engineering of Few-Layered Freestanding Graphene Sheets in a Transmission Electron Microscope. Nano Letters, 2020, 20, 2279-2287.	9.1	5
12	In Situ Atomicâ€Scale Observation of Reversible Potassium Storage in Sb₂S₃@Carbon Nanowire Anodes. Advanced Functional Materials, 2020, 30, 2005417.	14.9	75
13	A â€œboxes in fibersâ€•strategy to construct a necklace-like conductive network for high-rate and high-loading lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2020, 8, 11327-11336.	10.3	24
14	Facile synthesis of Co_{3â^'x}Mn_xO₄/C nanocages as an efficient sulfur host for lithiumâ€“sulfur batteries with enhanced rate performance. Dalton Transactions, 2020, 49, 8591-8600.	3.3	9
15	Biomimetic micro cell cathode for high performance lithiumâ€“sulfur batteries. Nano Energy, 2020, 72, 104680.	16.0	42
16	Hierarchical Fusiform Microrods Constructed by Parallelly Arranged Nanoplatelets of LiCoO₂ Material with Ultrahigh Rate Performance. ACS Applied Materials & Interfaces, 2020, 12, 17376-17384.	8.0	9
17	Bricklike Ca₉Co₁₂O₂₈ as an Active/Inactive Composite for Lithium-Ion Batteries with Enhanced Rate Performances. ACS Omega, 2019, 4, 6452-6458.	3.5	7
18	Hierarchical desert-waves-like LiNi0.5Mn1.5O4 as advanced cathodes with superior rate capability and cycling stability. Materials Today Energy, 2019, 14, 100363.	4.7	11

#	Article	IF	Citations
19	Strong lithium polysulfides chemical trapping of TiC-TiO2/S composite for long-cycle lithium-sulfur batteries. Electrochimica Acta, 2019, 298, 43-51.	5.2	46
20	Hierarchical LiNi0.5Mn1.5O4 microspheres assembled with nanorice and their enhanced rates performance. Materials Letters, 2019, 236, 653-656.	2.6	3
21	Structural design and material preparation of carbon-based electrodes for high-performance lithium storage systems. Carbon, 2019, 144, 127-146.	10.3	22
22	Hierarchical LiNi0.5Mn1.5O4 micro-rods with enhanced rate performance for lithium-ion batteries. Journal of Materials Science, 2018, 53, 9710-9720.	3.7	10
23	Crystal structural design of exposed planes: express channels, high-rate capability cathodes for lithium-ion batteries. Nanoscale, 2018, 10, 17435-17455.	5.6	82