

# Shiqiang Zhao

## List of Publications by Year in descending order

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35  
papers

2,686  
citations

346980

22  
h-index

406436

35  
g-index

36  
all docs

36  
docs citations

36  
times ranked

5062  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advancing Performance and Unfolding Mechanism of Lithium and Sodium Storage in SnO <sub>2</sub> via Precision Synthesis of Monodisperse PEG-Ligated Nanoparticles. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	34
2	Continuous impinging in a two-stage micromixer for the homogeneous growth of monodispersed ultrasmall Ni <sup>4+</sup> Co oxides on graphene flakes with enhanced supercapacitive performance. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4700-4711.	3.2	9
3	General and Robust Photothermal-Heating-Enabled High-Efficiency Photoelectrochemical Water Splitting. <i>Advanced Materials</i> , 2021, 33, e2004406.	11.1	104
4	Polymer-Inorganic Thermoelectric Nanomaterials: Electrical Properties, Interfacial Chemistry Engineering, and Devices. <i>Frontiers in Chemistry</i> , 2021, 9, 677821.	1.8	11
5	Spinel-Oxide-Integrated BiVO <sub>4</sub> Photoanodes with Photothermal Effect for Efficient Solar Water Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 48901-48912.	4.0	21
6	SnO <sub>2</sub> as Advanced Anode of Alkali-Ion Batteries: Inhibiting Sn Coarsening by Crafting Robust Physical Barriers, Void Boundaries, and Heterophase Interfaces for Superior Electrochemical Reaction Reversibility. <i>Advanced Energy Materials</i> , 2020, 10, 1902657.	10.2	71
7	Rapid and Controllable Synthesis of Nanocrystallized Nickel-Cobalt Boride Electrode Materials via a Microimpinging Stream Reaction for High Performance Supercapacitors. <i>Small</i> , 2020, 16, e2003342.	5.2	39
8	Advanced Matrixes for Binder-Free Nanostructured Electrodes in Lithium-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e1908445.	11.1	108
9	Alkali-Ion Batteries: SnO <sub>2</sub> as Advanced Anode of Alkali-Ion Batteries: Inhibiting Sn Coarsening by Crafting Robust Physical Barriers, Void Boundaries, and Heterophase Interfaces for Superior Electrochemical Reaction Reversibility (Adv. Energy Mater. 6/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070027.	10.2	2
10	Hierarchically porous CuO nano-labyrinths as binder-free anodes for long-life and high-rate lithium ion batteries. <i>Nano Energy</i> , 2019, 59, 229-236.	8.2	67
11	A Robust Route to Co <sub>2</sub> (OH) <sub>2</sub> CO <sub>3</sub> Ultrathin Nanosheets with Superior Lithium Storage Capability Templated by Aspartic Acid-Functionalized Graphene Oxide. <i>Advanced Energy Materials</i> , 2019, 9, 1901093.	10.2	94
12	A fast ĩ-ĩ stacking self-assembly of cobalt terephthalate dihydrate and the twelve-electron lithiation-delithiation of anhydrous cobalt terephthalate. <i>Journal of Power Sources</i> , 2019, 426, 23-32.	4.0	17
13	Durable and Efficient Hollow Porous Oxide Spinel Microspheres for Oxygen Reduction. <i>Joule</i> , 2018, 2, 337-348.	11.7	189
14	Hierarchical bicomponent TiO <sub>2</sub> hollow spheres as a new high-capacity anode material for lithium-ion batteries. <i>Journal of Materials Science</i> , 2018, 53, 8499-8509.	1.7	11
15	Von der Prazisionssynthese von Blockcopolymeren zu Eigenschaften und Anwendungen von funktionellen Nanopartikeln. <i>Angewandte Chemie</i> , 2018, 130, 2066-2093.	1.6	14
16	From Precision Synthesis of Block Copolymers to Properties and Applications of Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2046-2070.	7.2	138
17	Sandwich-like CNTs/Si/C nanotubes as high performance anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14797-14804.	5.2	103
18	Polymer-Templated Formation of Polydopamine-Coated SnO <sub>2</sub> Nanocrystals: Anodes for Cyclable Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2017, 129, 1895-1898.	1.6	26

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19	Polymer-templated Formation of Polydopamine-coated SnO <sub>2</sub> Nanocrystals: Anodes for Cyclable Lithium-ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1869-1872.	7.2	260
20	Hydrothermal synthesis of hollow SnO <sub>2</sub> spheres with excellent electrochemical performance for anodes in lithium ion batteries. <i>Materials Research Bulletin</i> , 2017, 96, 443-448.	2.7	24
21	 Polymer-templated Formation of Polydopamine-coated SnO <sub>2</sub> Nanocrystals: Anodes for Cyclable Lithium-ion Batteries ( <i>Angew. Chem.</i> 7/2017). <i>Angewandte Chemie</i> , 2017, 129, 1958-1958.	1.6	2
22	Elaborate construction and electrochemical properties of lignin-derived macro-/micro-porous carbon-sulfur composites for rechargeable lithium-sulfur batteries: The effect of sulfur-loading time. <i>Journal of Alloys and Compounds</i> , 2017, 709, 677-685.	2.8	33
23	Interconnected Ni(HCO <sub>3</sub> ) <sub>2</sub> Hollow Spheres Enabled by Self-Sacrificial Templating with Enhanced Lithium Storage Properties. <i>ACS Energy Letters</i> , 2017, 2, 111-116.	8.8	108
24	Noble metal-metal oxide nanohybrids with tailored nanostructures for efficient solar energy conversion, photocatalysis and environmental remediation. <i>Energy and Environmental Science</i> , 2017, 10, 402-434.	15.6	820
25	NiO Flowerlike porous hollow nanostructures with an enhanced interfacial storage capability for battery-to-pseudocapacitor transition. <i>Electrochimica Acta</i> , 2016, 222, 1160-1168.	2.6	27
26	Flower-to-petal structural conversion and enhanced interfacial storage capability of hydrothermally crystallized MnCO <sub>3</sub> via the in situ mixing of graphene oxide. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24095-24102.	5.2	49
27	High interfacial lithium storage capability of hollow porous Mn <sub>2</sub> O <sub>3</sub> nanostructures obtained from carbonate precursors. <i>Chemical Communications</i> , 2015, 51, 5728-5731.	2.2	73
28	Full-molar-ratio synthesis and enhanced lithium storage properties of Co <sub>x</sub> Fe <sub>1-x</sub> CO <sub>3</sub> composites with an integrated lattice structure and an atomic-scale synergistic effect. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17181-17189.	5.2	41
29	Cobalt carbonate dumbbells for high-capacity lithium storage: A slight doping of ascorbic acid and an enhancement in electrochemical performances. <i>Journal of Power Sources</i> , 2015, 284, 154-161.	4.0	67
30	Hydrothermal synthesis and potential applicability of rhombohedral siderite as a high-capacity anode material for lithium ion batteries. <i>Journal of Power Sources</i> , 2014, 253, 251-255.	4.0	49
31	Synthesis of porous AMn <sub>2</sub> O <sub>4</sub> (A=Zn, Zn <sub>0.5</sub> Co <sub>0.5</sub> , Co) microspheres and their comparative lithium storage performances. <i>Powder Technology</i> , 2014, 261, 55-60.	2.1	9
32	Crystallization and oriented attachment of monohydrocalcite and its crystalline phase transformation. <i>CrystEngComm</i> , 2013, 15, 509-515.	1.3	23
33	Sacrificial templating synthesis of rod-like Li <sub>x</sub> Mn <sub>2-x</sub> O <sub>4</sub> spinels and their improved cycling performance. <i>Micro and Nano Letters</i> , 2012, 7, 558.	0.6	11
34	Hydrazine-hydrothermal synthesis of pure-phase O-LiMnO <sub>2</sub> for lithium-ion battery application. <i>Micro and Nano Letters</i> , 2011, 6, 820.	0.6	11
35	Biomimetic fabrication of pseudo-hexagonal aragonite tablets through a temperature-varying approach. <i>Chemical Communications</i> , 2010, 46, 4607.	2.2	21