

# Zhiguo Hou

## List of Publications by Year in descending order

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35  
papers

2,159  
citations

304743

22  
h-index

361022

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all docs

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docs citations

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times ranked

2788  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aqueous electrolyte with moderate concentration enables high-energy aqueous rechargeable lithium ion battery for large scale energy storage. <i>Energy Storage Materials</i> , 2022, 46, 147-154.	18.0	26
2	Bipolar electrode architecture enables high-energy aqueous rechargeable sodium ion battery. <i>Nano Research</i> , 2022, 15, 5072-5080.	10.4	7
3	Towards High-Performance Aqueous Sodium Ion Batteries: Constructing Hollow $\text{NaTi}_2(\text{PO}_4)_3$ @C Nanocube Anode with Zn Metal-Induced Pre-Sodiation and Deep Eutectic Electrolyte. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	30
4	Electron-redistributed $\text{Ni}^{2+}$ /Co oxide nanoarrays as an ORR/OER bifunctional catalyst for low overpotential and long lifespan $\text{Li}^{+}$ /O <sub>2</sub> batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 14613-14621.	10.3	12
5	One-pot synthesis of uniform $\text{MoSe}_2$ nanoparticles as high performance anode materials for lithium/sodium ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 922, 166306.	5.5	15
6	Hierarchical interlayer-expanded $\text{MoSe}_2$ /N-C nanorods for high-rate and long-life sodium and potassium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1271-1278.	6.0	22
7	An aqueous rechargeable lithium ion battery with long cycle life and overcharge self-protection. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2749-2757.	5.9	9
8	High-Voltage and Super-Stable Aqueous Sodium-Zinc Hybrid Ion Batteries Enabled by Double Solvation Structures in Concentrated Electrolyte. <i>Small Methods</i> , 2021, 5, e2100418.	8.6	22
9	A large format aqueous rechargeable $\text{LiMn}_2\text{O}_4/\text{Zn}$ battery with high energy density and long cycle life. <i>Science China Materials</i> , 2021, 64, 783-788.	6.3	12
10	Aqueous Rechargeable $\text{Li}^{+}/\text{Na}^{+}$ Hybrid Ion Battery with High Energy Density and Long Cycle Life. <i>Small</i> , 2020, 16, e2003585.	10.0	16
11	$\text{NaTi}_2(\text{PO}_4)_3$ Solid-State Electrolyte Protection Layer on Zn Metal Anode for Superior Long-Life Aqueous Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2004885.	14.9	115
12	Synthesis of $\text{NaTi}_2(\text{PO}_4)_3$ @C microspheres by an in situ process and their electrochemical properties. <i>Journal of Alloys and Compounds</i> , 2020, 842, 155300.	5.5	12
13	A High-Energy and Long-Life Aqueous Zn/Birnessite Battery via Reversible Water and $\text{Zn}^{2+}$ Coinsertion. <i>Small</i> , 2020, 16, e2001228.	10.0	75
14	Electrolyte solvation structure manipulation enables safe and stable aqueous sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14190-14197.	10.3	42
15	Construction of hierarchical $\text{MoSe}_2$ @C hollow nanospheres for efficient lithium/sodium ion storage. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1691-1698.	6.0	22
16	Formation of Solid-Electrolyte Interfaces in Aqueous Electrolytes by Altering Cation Solvation Shell Structure. <i>Advanced Energy Materials</i> , 2020, 10, 1903665.	19.5	59
17	Pb-Doped Lithium-Rich Cathode Material for High Energy Density Lithium-Ion Full Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A2960-A2965.	2.9	16
18	Passivation effect for current collectors enables high-voltage aqueous sodium ion batteries. <i>Materials Today Energy</i> , 2019, 14, 100337.	4.7	32

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19	Ultrathin $\gamma$ -MnO <sub>2</sub> nanosheets as cathode for aqueous rechargeable zinc ion battery. <i>Electrochimica Acta</i> , 2019, 304, 370-377.	5.2	207
20	Sulfur-Rich Phosphorus Sulfide Molecules for Use in Rechargeable Lithium Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2937-2941.	13.8	50
21	Sulfur-Rich Phosphorus Sulfide Molecules for Use in Rechargeable Lithium Batteries. <i>Angewandte Chemie</i> , 2017, 129, 2983-2987.	2.0	6
22	Surfactant widens the electrochemical window of an aqueous electrolyte for better rechargeable aqueous sodium/zinc battery. <i>Journal of Materials Chemistry A</i> , 2017, 5, 730-738.	10.3	287
23	A Composite Structure of Cu <sub>3</sub> Ge/Ge/C Anode Promise Better Rate Property for Lithium Battery. <i>Small</i> , 2016, 12, 6024-6032.	10.0	26
24	MoO <sub>2</sub> nanoparticles as high capacity intercalation anode material for long-cycle lithium ion battery. <i>Electrochimica Acta</i> , 2016, 213, 416-422.	5.2	26
25	SnS <sub>2</sub> - Compared to SnO <sub>2</sub> -Stabilized S/C Composites toward High-Performance Lithium Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 19550-19557.	8.0	102
26	A Deep Reduction and Partial Oxidation Strategy for Fabrication of Mesoporous Si Anode for Lithium Ion Batteries. <i>ACS Nano</i> , 2016, 10, 2295-2304.	14.6	121
27	Na-birnessite with high capacity and long cycle life for rechargeable aqueous sodium-ion battery cathode electrodes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 856-860.	10.3	62
28	A New Salt-Baked Approach for Confining Selenium in Metal Complex-Derived Porous Carbon with Superior Lithium Storage Properties. <i>Advanced Functional Materials</i> , 2015, 25, 5229-5238.	14.9	117
29	Amorphous S-rich S <sub>1-x</sub> Se <sub>x</sub> /C (x ≈ 0.1) composites promise better lithium-sulfur batteries in a carbonate-based electrolyte. <i>Energy and Environmental Science</i> , 2015, 8, 3181-3186.	30.8	164
30	Honeycomb-like Macro-Germanium as High-Capacity Anodes for Lithium-Ion Batteries with Good Cycling and Rate Performance. <i>Chemistry of Materials</i> , 2015, 27, 4156-4164.	6.7	70
31	Nanoporous silicon prepared through air-oxidation demagnesiumation of Mg <sub>2</sub> Si and properties of its lithium ion batteries. <i>Chemical Communications</i> , 2015, 51, 7230-7233.	4.1	61
32	Synchronously synthesized Si@C composites through solvothermal oxidation of Mg <sub>2</sub> Si as lithium ion battery anode. <i>RSC Advances</i> , 2015, 5, 71355-71359.	3.6	8
33	An aqueous rechargeable sodium ion battery based on a NaMnO <sub>2</sub> -NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> hybrid system for stationary energy storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1400-1404.	10.3	179
34	Recycling chicken eggshell membranes for high-capacity sodium battery anodes. <i>RSC Advances</i> , 2014, 4, 50950-50954.	3.6	31
35	Graphene-Supported NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as a High Rate Anode Material for Aqueous Sodium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2014, 161, A1181-A1187.	2.9	98