

# Hao Hu

## List of Publications by Year in descending order

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40  
papers

1,840  
citations

257450

24  
h-index

289244

40  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2630  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic Macromolecule regulated the structure of vanadium oxide with high capacity and stability for aqueous Zinc-ion batteries. <i>Applied Surface Science</i> , 2022, 592, 153295.	6.1	9
2	Insight into faradaic mechanism of NiCo-CHH microspheres in high-performance Ni-Cu batteries. <i>Scripta Materialia</i> , 2022, 215, 114691.	5.2	34
3	Robust synthesis of a composite phase of copper vanadium oxide with enhanced performance for durable aqueous Zn-ion batteries. <i>Nanotechnology Reviews</i> , 2022, 11, 1633-1642.	5.8	4
4	Tailoring core@shell structure of Cu <sub>2</sub> xSe@PDAs for synergistic solar-driven water evaporation. <i>Journal of Materials Science</i> , 2022, 57, 11725-11734.	3.7	4
5	Core-shell structured Fe <sub>2</sub> O <sub>3</sub> @Fe <sub>3</sub> C@C nanochains and Ni-Co carbonate hydroxide hybridized microspheres for high-performance battery-type supercapacitor. <i>Journal of Power Sources</i> , 2021, 482, 228915.	7.8	153
6	Recent progress on the synthesis and oxygen reduction applications of Fe-based single-atom and double-atom catalysts. <i>Journal of Materials Chemistry A</i> , 2021, 9, 19489-19507.	10.3	104
7	Carbon Nanomaterials With Hollow Structures: A Mini-Review. <i>Frontiers in Chemistry</i> , 2021, 9, 668336.	3.6	10
8	Recent advances of vanadium-based cathode materials for zinc-ion batteries. <i>Chinese Chemical Letters</i> , 2021, 32, 3753-3761.	9.0	27
9	Organic polysulfanes grafted on porous graphene as an electrode for high-performance lithium organosulfur batteries. <i>Journal of Power Sources</i> , 2021, 491, 229617.	7.8	21
10	Metal organic frameworks derived active functional groups decorated manganese monoxide for aqueous zinc ion battery. <i>Chemical Physics Letters</i> , 2021, 778, 138772.	2.6	16
11	Hierarchical Na <sub>x</sub> CoO <sub>2</sub> microspheres with low surface area toward high performance sodium ion batteries. <i>Materials Letters</i> , 2020, 260, 126965.	2.6	3
12	Nd <sup>3+</sup> ions induced rational morphology control of transition metal oxides for high energy storage performance. <i>Journal of Power Sources</i> , 2020, 472, 228599.	7.8	16
13	Nitrogen-doped carbon microfiber networks decorated with CuO/Cu clusters as self-supported anode materials for potassium ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2020, 876, 114483.	3.8	17
14	Controlled synthesis of KCu <sub>7</sub> S <sub>4</sub> /rGO nanocomposites for electrochemical energy storage. <i>Materials and Design</i> , 2020, 195, 108992.	7.0	61
15	A self-supported 3D aerogel network lithium-sulfur battery cathode: sulfur spheres wrapped with phosphorus doped graphene and bridged with carbon nanofibers. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7980-7990.	10.3	78
16	Enteromorpha prolifera polysaccharide based coagulant aid for humic acids removal and ultrafiltration membrane fouling control. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 576-583.	7.5	32
17	Calcium titanate micro-sheets scaffold for improved cell viability and osteogenesis. <i>Chemical Engineering Journal</i> , 2020, 389, 124400.	12.7	27
18	Rational Design of Unique ZnO/ZnS@N-C Heterostructures for High-Performance Lithium-Ion Batteries. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 905-912.	4.6	41

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19	Effect of aging on properties and nanoscale precipitates of Cu-Ag-Cr alloy. <i>Nanotechnology Reviews</i> , 2020, 9, 70-78.	5.8	10
20	In situ Raman study of nickel bicarbonate for high-performance energy storage device. <i>Nano Energy</i> , 2019, 64, 103919.	16.0	112
21	A robust 2D organic polysulfane nanosheet with grafted polycyclic sulfur for highly reversible and durable lithium-organosulfur batteries. <i>Nano Energy</i> , 2019, 57, 635-643.	16.0	69
22	A high-performance supercapacitor electrode based on N-doped porous graphene. <i>Journal of Power Sources</i> , 2018, 387, 43-48.	7.8	231
23	Selenium-Modified TiO <sub>2</sub> Nanoarrays with Antibacterial and Anticancer Properties for Postoperation Therapy Applications. <i>ACS Applied Bio Materials</i> , 2018, 1, 1656-1666.	4.6	18
24	A novel H <sub>2</sub> O <sub>2</sub> -assisted method to fabricate Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /TiO <sub>2</sub> materials for high-performance energy storage. <i>Electrochimica Acta</i> , 2018, 281, 142-151.	5.2	10
25	Design of alveolate Se-inserted TiO <sub>2</sub> and its effect on osteosarcoma cells and osteoblasts. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1988-2001.	5.8	10
26	Design of a unique 3D-nanostructure to make MnO <sub>2</sub> work as supercapacitor material in acid environment. <i>Chemical Engineering Journal</i> , 2017, 321, 554-563.	12.7	42
27	Hierarchical porous Fe <sub>2</sub> O <sub>3</sub> assisted with graphene-like carbon as high-performance lithium battery anodes. <i>Materials Today Physics</i> , 2017, 3, 7-15.	6.0	30
28	Carbon-Infused MoS <sub>2</sub> Supported on TiO <sub>2</sub> Nanosheet Arrays for Intensified Anodes in Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2016, 212, 59-67.	5.2	21
29	Bidirectional regulation of zinc embedded titania nanorods: antibiosis and osteoblastic cell growth. <i>RSC Advances</i> , 2015, 5, 14470-14481.	3.6	12
30	Interconnected mesoporous NiO sheets deposited onto TiO <sub>2</sub> nanosheet arrays as binder-free anode materials with enhanced performance for lithium ion batteries. <i>RSC Advances</i> , 2015, 5, 101247-101256.	3.6	15
31	TiO <sub>2</sub> Nanotube Arrays Grafted with MnO <sub>2</sub> Nanosheets as High-Performance Anode for Lithium Ion Battery. <i>Electrochimica Acta</i> , 2015, 156, 252-260.	5.2	68
32	In Situ Polymerized PAN-Assisted S/C Nanosphere with Enhanced High-Power Performance as Cathode for Lithium/Sulfur Batteries. <i>Nano Letters</i> , 2015, 15, 5116-5123.	9.1	128
33	Design of SnO <sub>2</sub> /C hybrid triple-layer nanospheres as Li-ion battery anodes with high stability and rate capability. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2748-2755.	10.3	37
34	Facile Synthesis of Carbon Spheres with Uniformly Dispersed MnO Nanoparticles for Lithium Ion Battery Anode. <i>Electrochimica Acta</i> , 2015, 152, 44-52.	5.2	49
35	The bifunctional regulation of interconnected Zn-incorporated ZrO <sub>2</sub> nanoarrays in antibiosis and osteogenesis. <i>Biomaterials Science</i> , 2015, 3, 665-680.	5.4	32
36	TiO <sub>2</sub> mesoporous microspheres with nanorod structure: facile synthesis and superior electrochemical performance. <i>Electrochimica Acta</i> , 2014, 120, 231-239.	5.2	37

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37	Hierarchical 3D TiO <sub>2</sub> @Fe <sub>2</sub> O <sub>3</sub> nanoframework arrays as high-performance anode materials. <i>Nanoscale</i> , 2014, 6, 6463-6467.	5.6	53
38	Carbon-decorated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /rutile TiO <sub>2</sub> mesoporous microspheres with nanostructures as high-performance anode materials in lithium-ion batteries. <i>Nanotechnology</i> , 2014, 25, 175402.	2.6	39
39	Growth of Hierarchal Mesoporous NiO Nanosheets on Carbon Cloth as Binder-free Anodes for High-performance Flexible Lithium-ion Batteries. <i>Scientific Reports</i> , 2014, 4, 7413.	3.3	119
40	Nano-sized Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> anode material with excellent performance prepared by solid state reaction: The effect of precursor size and morphology. <i>Electrochimica Acta</i> , 2013, 112, 356-363.	5.2	41