Hao Hu

List of Publications by Year
in descending order

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	A high-performance supercapacitor electrode based on N-doped porous graphene. Journal of Power Sources, 2018, 387, 43-48.	7.8	231
2	Core-shell structured Fe2O3@Fe3C@C nanochains and Niâ€“Co carbonate hydroxide hybridized microspheres for high-performance battery-type supercapacitor. Journal of Power Sources, 2021, 482, 228915.	7.8	153
3	In Situ Polymerized PAN-Assisted S/C Nanosphere with Enhanced High-Power Performance as Cathode for Lithium/Sulfur Batteries. Nano Letters, 2015, 15, 5116-5123.	9.1	128
4	Growth of Hierarchal Mesoporous NiO Nanosheets on Carbon Cloth as Binder-free Anodes for High-performance Flexible Lithium-ion Batteries. Scientific Reports, 2014, 4, 7413.	3.3	119
5	In situ Raman study of nickel bicarbonate for high-performance energy storage device. Nano Energy, 2019, 64, 103919.	16.0	112
6	Recent progress on the synthesis and oxygen reduction applications of Fe-based single-atom and double-atom catalysts. Journal of Materials Chemistry A, 2021, 9, 19489-19507.	10.3	104
7	A self-supported 3D aerogel network lithiumâ€“sulfur battery cathode: sulfur spheres wrapped with phosphorus doped graphene and bridged with carbon nanofibers. Journal of Materials Chemistry A, 2020, 8, 7980-7990.	10.3	78
8	A robust 2D organic polysulfane nanosheet with grafted polycyclic sulfur for highly reversible and durable lithium-organosulfur batteries. Nano Energy, 2019, 57, 635-643.	16.0	69
9	TiO2 Nanotube Arrays Grafted with MnO2 Nanosheets as High-Performance Anode for Lithium Ion Battery. Electrochimica Acta, 2015, 156, 252-260.	5.2	68
10	Controlled synthesis of KCu7S4/rGO nanocomposites for electrochemical energy storage. Materials and Design, 2020, 195, 108992.	7.0	61
11	Hierarchical 3D TiO₂@Fe₂O₃ nanoframework arrays as high-performance anode materials. Nanoscale, 2014, 6, 6463-6467.	5.6	53
12	Facile Synthesis of Carbon Spheres with Uniformly Dispersed MnO Nanoparticles for Lithium Ion Battery Anode. Electrochimica Acta, 2015, 152, 44-52.	5.2	49
13	Design of a unique 3D-nanostructure to make MnO2 work as supercapacitor material in acid environment. Chemical Engineering Journal, 2017, 321, 554-563.	12.7	42
14	Nano-sized Li4Ti5O12 anode material with excellent performance prepared by solid state reaction: The effect of precursor size and morphology. Electrochimica Acta, 2013, 112, 356-363.	5.2	41
15	Rational Design of Unique ZnO/ZnS@N-C Heterostructures for High-Performance Lithium-Ion Batteries. Journal of Physical Chemistry Letters, 2020, 11, 905-912.	4.6	41
16	Carbon-decorated Li₄Ti₅O₁₂/rutile TiO₂ mesoporous microspheres with nanostructures as high-performance anode materials in lithium-ion batteries. Nanotechnology, 2014, 25, 175402.	2.6	39
17	TiO2 mesoporous microspheres with nanorod structure: facile synthesis and superior electrochemical performance. Electrochimica Acta, 2014, 120, 231-239.	5.2	37
18	Design of SnO₂/C hybrid triple-layer nanospheres as Li-ion battery anodes with high stability and rate capability. Journal of Materials Chemistry A, 2015, 3, 2748-2755.	10.3	37

#	Article	IF	Citations
19	Insight into faradaic mechanism of NiCo-CHH microspheres in high-performance Ni-Cu batteries. Scripta Materialia, 2022, 215, 114691.	5.2	34
20	The bifunctional regulation of interconnected Zn-incorporated ZrO₂ nanoarrays in antibiosis and osteogenesis. Biomaterials Science, 2015, 3, 665-680.	5.4	32
21	Enteromorpha prolifera polysaccharide based coagulant aid for humic acids removal and ultrafiltration membrane fouling control. International Journal of Biological Macromolecules, 2020, 152, 576-583.	7.5	32
22	Hierarchical porous Fe2O3 assisted with graphene-like carbon as high-performance lithium battery anodes. Materials Today Physics, 2017, 3, 7-15.	6.0	30
23	Calcium titanate micro-sheets scaffold for improved cell viability and osteogenesis. Chemical Engineering Journal, 2020, 389, 124400.	12.7	27
24	Recent advances of vanadium-based cathode materials for zinc-ion batteries. Chinese Chemical Letters, 2021, 32, 3753-3761.	9.0	27
25	Carbon-Infused MoS2 Supported on TiO2 Nanosheet Arrays for Intensified Anodes in Lithium Ion Batteries. Electrochimica Acta, 2016, 212, 59-67.	5.2	21
26	Organic polysulfanes grafted on porous graphene as an electrode for high-performance lithium organosulfur batteries. Journal of Power Sources, 2021, 491, 229617.	7.8	21
27	Selenium-Modified TiO₂ Nanoarrays with Antibacterial and Anticancer Properties for Postoperation Therapy Applications. ACS Applied Bio Materials, 2018, 1, 1656-1666.	4.6	18
28	Nitrogen-doped carbon microfiber networks decorated with CuO/Cu clusters as self-supported anode materials for potassium ion batteries. Journal of Electroanalytical Chemistry, 2020, 876, 114483.	3.8	17
29	Nd3+ ions induced rational morphology control of transition metal oxides for high energy storage performance. Journal of Power Sources, 2020, 472, 228599.	7.8	16
30	Metal organic frameworks derived active functional groups decorated manganese monoxide for aqueous zinc ion battery. Chemical Physics Letters, 2021, 778, 138772.	2.6	16
31	Interconnected mesoporous NiO sheets deposited onto TiO₂nanosheet arrays as binder-free anode materials with enhanced performance for lithium ion batteries. RSC Advances, 2015, 5, 101247-101256.	3.6	15
32	Bidirectional regulation of zinc embedded titania nanorods: antibiosis and osteoblastic cell growth. RSC Advances, 2015, 5, 14470-14481.	3.6	12
33	Design of alveolate Se-inserted TiO2 and its effect on osteosarcoma cells and osteoblasts. Journal of Materials Chemistry B, 2017, 5, 1988-2001.	5.8	10
34	A novel H2O2-assisted method to fabricate Li4Ti5O12/TiO2 materials for high-performance energy storage. Electrochimica Acta, 2018, 281, 142-151.	5.2	10
35	Carbon Nanomaterials With Hollow Structures: A Mini-Review. Frontiers in Chemistry, 2021, 9, 668336.	3.6	10
36	Effect of aging on properties and nanoscale precipitates of Cu-Ag-Cr alloy. Nanotechnology Reviews, 2020, 9, 70-78.	5.8	10

#	Article	IF	Citations
37	Organic Macromolecule regulated the structure of vanadium oxide with high capacity and stability for aqueous Zinc-ion batteries. Applied Surface Science, 2022, 592, 153295.	6.1	9
38	Robust synthesis of a composite phase of copper vanadium oxide with enhanced performance for durable aqueous Zn-ion batteries. Nanotechnology Reviews, 2022, 11, 1633-1642.	5.8	4
39	Tailoring core@shell structure of Cu2â^'xSe@PDAs for synergistic solar-driven water evaporation. Journal of Materials Science, 2022, 57, 11725-11734.	3.7	4
40	Hierarchical NaxCoO2 microspheres with low surface area toward high performance sodium ion batteries. Materials Letters, 2020, 260, 126965.	2.6	3