

# Tianyi Hou

## List of Publications by Year in descending order

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19  
papers

814  
citations

516710

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Synthesis of ZnS Nanorods Coated by MoS <sub>2</sub> /N-Doped Carbon Nanosheets with Enhanced Sodium Storage Properties. <i>Journal of the Electrochemical Society</i> , 2021, 168, 020523.	2.9	0
2	Covalent Coupling-Stabilized Transition-Metal Sulfide/Carbon Nanotube Composites for Lithium/Sodium-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 6735-6746.	14.6	95
3	Uniform $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles with narrow gap immobilized on CNTs through N-doped carbon as high-performance lithium-ion batteries anode. <i>Ceramics International</i> , 2021, 47, 15743-15749.	4.8	18
4	Improving cycling stability of Bi-encapsulated carbon fibers for lithium/sodium-ion batteries by Fe <sub>2</sub> O <sub>3</sub> pinning. <i>Chinese Chemical Letters</i> , 2021, 32, 2459-2462.	9.0	18
5	MnS hollow microspheres combined with carbon nanotubes for enhanced performance sodium-ion battery anode. <i>Chinese Chemical Letters</i> , 2020, 31, 1221-1225.	9.0	49
6	FeS/ZnS nanoflower composites as high performance anode materials for sodium ion batteries. <i>Inorganic Chemistry Communication</i> , 2020, 111, 107635.	3.9	17
7	Nitrogen-Doped graphene coated FeS <sub>2</sub> microsphere composite as high-performance anode materials for sodium-ion batteries enhanced by the chemical and structural synergistic effect. <i>Applied Surface Science</i> , 2020, 505, 144633.	6.1	18
8	One-Pot Hydrothermal Synthesis of ZnS Nanospheres Anchored on 3D Conductive MWCNTs Networks as High-Rate and Cold-Resistant Anode Materials for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2020, 7, 1904-1913.	3.4	23
9	Controllable synthesis of tunable few-layered MoS <sub>2</sub> chemically bonding with in situ conversion nitrogen-doped carbon for ultrafast reversible sodium and potassium storage. <i>Chemical Engineering Journal</i> , 2020, 393, 124703.	12.7	42
10	Crucial structural effects of porous Co <sub>3</sub> O <sub>4</sub> derived from Prussian blue analogue on the enhanced gas sensing performance. <i>Materials Letters</i> , 2019, 242, 83-86.	2.6	16
11	MOF-derived Fe <sub>2</sub> O <sub>3</sub> : Phase control and effects of phase composition on gas sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2019, 292, 171-179.	7.8	83
12	High-rate FeS <sub>2</sub> /CNT neural network nanostructure composite anodes for stable, high-capacity sodium-ion batteries. <i>Nano Energy</i> , 2018, 46, 117-127.	16.0	200
13	Highly reversible and fast sodium storage boosted by improved interfacial and surface charge transfer derived from the synergistic effect of heterostructures and pseudocapacitance in SnO <sub>2</sub> -based anodes. <i>Nanoscale</i> , 2018, 10, 2301-2309.	5.6	40
14	Enhanced electrochemical performance of SnS nanoparticles/CNTs composite as anode material for sodium-ion battery. <i>Chinese Chemical Letters</i> , 2018, 29, 187-190.	9.0	52
15	Mesoporous Graphitic Carbon-Encapsulated Fe <sub>2</sub> O <sub>3</sub> Nanocomposite as High-Rate Anode Material for Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 14786-14793.	3.3	29
16	Perchlorate ion doped polypyrrole coated ZnS sphere composites as a sodium-ion battery anode with superior rate capability enhanced by pseudocapacitance. <i>RSC Advances</i> , 2017, 7, 43636-43641.	3.6	27
17	Treatment of dye wastewater nanofiltration concentrates containing high anion levels by a pH-sensitive nano-sized Fe( $\mu$ -silica)@silica microgel. <i>New Journal of Chemistry</i> , 2017, 41, 15357-15367.	2.8	8
18	Ordered mesoporous hematite promoted by magnesium selective leaching as a highly efficient heterogeneous Fenton-like catalyst. <i>RSC Advances</i> , 2015, 5, 40872-40883.	3.6	24

#	ARTICLE	IF	CITATIONS
19	Preparation and characterization of magnesium doped hydroxyapatite-gelatin nanocomposite. Journal of Materials Chemistry, 2005, 15, 1807.	6.7	55