

Tianyi Hou

List of Publications by Year in descending order

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19
papers

814
citations

516710

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839539

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docs citations

19
times ranked

1302
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | High-rate FeS ₂ /CNT neural network nanostructure composite anodes for stable, high-capacity sodium-ion batteries. <i>Nano Energy</i> , 2018, 46, 117-127. | 16.0 | 200 |
| 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 | MOF-derived Fe ₂ O ₃ : 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 |
| 4 | Preparation and characterization of magnesium doped hydroxyapatite@gelatin nanocomposite. <i>Journal of Materials Chemistry</i> , 2005, 15, 1807. | 6.7 | 55 |
| 5 | 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 |
| 6 | 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 |
| 7 | Controllable synthesis of tunable few-layered MoS ₂ 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 |
| 8 | 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 ₂ -based anodes. <i>Nanoscale</i> , 2018, 10, 2301-2309. | 5.6 | 40 |
| 9 | Mesoporous Graphitic Carbon@Encapsulated Fe ₂ O ₃ Nanocomposite as High-Rate Anode Material for Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 14786-14793. | 3.3 | 29 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Nitrogen-Doped graphene coated FeS ₂ 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 |
| 14 | Uniform Fe ₂ O ₃ 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 |
| 15 | Improving cycling stability of Bi-encapsulated carbon fibers for lithium/sodium-ion batteries by Fe ₂ O ₃ pinning. <i>Chinese Chemical Letters</i> , 2021, 32, 2459-2462. | 9.0 | 18 |
| 16 | FeS/ZnS nanoflower composites as high performance anode materials for sodium ion batteries. <i>Inorganic Chemistry Communication</i> , 2020, 111, 107635. | 3.9 | 17 |
| 17 | Crucial structural effects of porous Co ₃ O ₄ derived from Prussian blue analogue on the enhanced gas sensing performance. <i>Materials Letters</i> , 2019, 242, 83-86. | 2.6 | 16 |
| 18 | Treatment of dye wastewater nanofiltration concentrates containing high anion levels by a pH-sensitive nano-sized Fe@silica microgel. <i>New Journal of Chemistry</i> , 2017, 41, 15357-15367. | 2.8 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Synthesis of ZnS Nanorods Coated by MoS ₂ /N-Doped Carbon Nanosheets with Enhanced Sodium Storage Properties. Journal of the Electrochemical Society, 2021, 168, 020523. | 2.9 | 0 |