

Wangwang Xu

List of Publications by Year in descending order

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31
papers

2,436
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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | SnO ₂ Quantum Dots@Graphene Oxide as a High-Rate and Long-Life Anode Material for Lithium-Ion Batteries. <i>Small</i> , 2016, 12, 588-594. | 5.2 | 338 |
| 2 | Low-Crystalline Bimetallic Metal-Organic Framework Electrocatalysts with Rich Active Sites for Oxygen Evolution. <i>ACS Energy Letters</i> , 2019, 4, 285-292. | 8.8 | 255 |
| 3 | Recent Progress in Metal-Organic Frameworks and Their Derived Nanostructures for Energy and Environmental Applications. <i>ChemSusChem</i> , 2017, 10, 1645-1663. | 3.6 | 199 |
| 4 | Defect engineering activating (Boosting) zinc storage capacity of MoS ₂ . <i>Energy Storage Materials</i> , 2019, 16, 527-534. | 9.5 | 199 |
| 5 | Recent Progress on Zinc-Ion Rechargeable Batteries. <i>Nano-Micro Letters</i> , 2019, 11, 90. | 14.4 | 191 |
| 6 | Three-Dimensional Crumpled Reduced Graphene Oxide/MoS ₂ Nanoflowers: A Stable Anode for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12625-12630. | 4.0 | 183 |
| 7 | Ultra-sensitive NH ₃ sensor based on flower-shaped SnS ₂ nanostructures with sub-ppm detection ability. <i>Journal of Hazardous Materials</i> , 2018, 341, 159-167. | 6.5 | 140 |
| 8 | High-performance dye-sensitized solar cells based on Ag-doped SnS ₂ counter electrodes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1908-1914. | 5.2 | 107 |
| 9 | Hierarchical Sandwich-Like Structure of Ultrafine N-Rich Porous Carbon Nanospheres Grown on Graphene Sheets as Superior Lithium-Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10324-10333. | 4.0 | 100 |
| 10 | Phosphorus Enhanced Intermolecular Interactions of SnO ₂ and Graphene as an Ultrastable Lithium Battery Anode. <i>Small</i> , 2017, 13, 1603973. | 5.2 | 87 |
| 11 | Electrochemical activated MoO ₂ /Mo ₂ N heterostructured nanobelts as superior zinc rechargeable battery cathode. <i>Energy Storage Materials</i> , 2018, 15, 374-379. | 9.5 | 87 |
| 12 | Acetylene Black Induced Heterogeneous Growth of Macroporous CoV ₂ O ₆ Nanosheet for High-Rate Pseudocapacitive Lithium-Ion Battery Anode. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7139-7146. | 4.0 | 81 |
| 13 | Hierarchical Graphene-Encapsulated Hollow SnO ₂ @SnS ₂ Nanostructures with Enhanced Lithium Storage Capability. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22533-22541. | 4.0 | 78 |
| 14 | Thermal Induced Strain Relaxation of 1D Iron Oxide for Solid Electrolyte Interphase Control and Lithium Storage Improvement. <i>Advanced Energy Materials</i> , 2017, 7, 1601582. | 10.2 | 73 |
| 15 | Co ₃ O ₄ -Carbon@Fe ₂ Co ₃ O ₃ Heterostructural Hollow Polyhedrons for the Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28642-28649. | 4.0 | 71 |
| 16 | Layered ferric vanadate nanosheets as a high-rate NH ₄ ⁺ storage electrode. <i>Electrochimica Acta</i> , 2020, 360, 137008. | 2.6 | 46 |
| 17 | Sn stabilized pyrovanadate structure rearrangement for zinc ion battery. <i>Nano Energy</i> , 2021, 81, 105584. | 8.2 | 41 |
| 18 | Interconnected Vertically Stacked 2D-MoS ₂ for Ultrastable Cycling of Rechargeable Li-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 20762-20769. | 4.0 | 37 |

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|----|---|-----|-----------|
| 19 | Effect of dopant concentration on visible light driven photocatalytic activity of Sn _{1-x} Ag _x S ₂ . Dalton Transactions, 2016, 45, 16290-16297. | 1.6 | 33 |
| 20 | Direct growth of an economic green energy storage material: a monocrystalline jarosite-KFe ₃ (SO ₄) ₂ (OH) ₆ -nanoplates@rGO hybrid as a superior lithium-ion battery cathode. Journal of Materials Chemistry A, 2016, 4, 3735-3742. | 5.2 | 28 |
| 21 | Interwoven heterostructural Co ₃ O ₄ @carbon@FeOOH hollow polyhedrons with improved electrochemical performance. Journal of Materials Chemistry A, 2016, 4, 19011-19018. | 5.2 | 24 |
| 22 | Concentration Flow Cells for Efficient Salinity Gradient Energy Recovery with Nanostructured Open Framework Hexacyanoferrate Electrodes. ChemistrySelect, 2018, 3, 5571-5580. | 0.7 | 17 |
| 23 | Three-Dimensional Coral-Like Structure Constructed of Carbon-Coated Interconnected Monocrystalline SnO ₂ Nanoparticles with Improved Lithium Storage Properties. ChemElectroChem, 2016, 3, 1098-1106. | 1.7 | 9 |
| 24 | Mo ₂ N nanobelt cathodes for efficient hydrogen production in microbial electrolysis cells with shaped biofilm microbiome. Biosensors and Bioelectronics, 2020, 167, 112491. | 5.3 | 8 |
| 25 | Sulfur-Deficient Porous SnS _{2-x} Microflowers as Superior Anode for Alkaline Ion Batteries. Materials, 2020, 13, 443. | 1.3 | 3 |
| 26 | Nanowires of spinel cathode material for improved lithium-ion storage. Ionics, 2018, 24, 2523-2532. | 1.2 | 1 |
| 27 | Hollow Co ₃ O ₄ Nanopolyhedrons Interwoven with Amorphous Nanowires for Enhanced Lithium Storage and Water Splitting. ECS Meeting Abstracts, 2017, , . | 0.0 | 0 |
| 28 | Bifunctional Ag Doped SnS ₂ Photocatalyst and Electrocatalyst for Solar Energy Applications. ECS Meeting Abstracts, 2017, , . | 0.0 | 0 |
| 29 | Reversible Aqueous Zinc Battery Using Molybdenum-Based Intercalation Cathode. ECS Meeting Abstracts, 2017, , . | 0.0 | 0 |
| 30 | Coral-like Oxide-Derived Cu Decorated Sn for Efficient CO ₂ Electrochemical Reduction. ECS Meeting Abstracts, 2017, , . | 0.0 | 0 |
| 31 | 3D Porous Urchin-like NH ₄ V ₃ O ₈ ·2H ₂ O Microspheres Constructed for High-Performance and Long-Life Rechargeable Aqueous Zinc Ion Battery. ECS Meeting Abstracts, 2019, , . | 0.0 | 0 |