

# Ting Zhu

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

4,145  
citations

159585

30  
h-index

182427

51  
g-index

54  
all docs

54  
docs citations

54  
times ranked

6231  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Facile synthesis of metal oxide/reduced graphene oxide hybrids with high lithium storage capacity and stable cyclability. <i>Nanoscale</i> , 2011, 3, 1084-1089.  | 5.6  | 352       |
| 2  | Shape-controlled synthesis of porous Co <sub>3</sub> O <sub>4</sub> nanostructures for application in supercapacitors. <i>Journal of Materials Chemistry</i> , 2010, 20, 7015.  | 6.7  | 341       |
| 3  | Formation of 1D Hierarchical Structures Composed of Ni <sub>3</sub> S <sub>2</sub> Nanosheets on CNTs Backbone for Supercapacitors and Photocatalytic H <sub>2</sub> Production. <i>Advanced Energy Materials</i> , 2012, 2, 1497-1502. | 19.5 | 321       |
| 4  | Controlled synthesis of hierarchical NiO nanosheet hollow spheres with enhanced supercapacitive performance. <i>Journal of Materials Chemistry</i> , 2011, 21, 6602.  | 6.7  | 280       |
| 5  | Arrays of ultrafine CuS nanoneedles supported on a CNT backbone for application in supercapacitors. <i>Journal of Materials Chemistry</i> , 2012, 22, 7851.   | 6.7  | 253       |
| 6  | Porous Co <sub>3</sub> O <sub>4</sub> nanowires derived from long Co(CO <sub>3</sub> ) <sub>0.5</sub> (OH)·0.1H <sub>2</sub> O nanowires with improved supercapacitive properties. <i>Nanoscale</i> , 2012, 4, 2145.                    | 5.6  | 251       |
| 7  | Facile preparation of ZnMn <sub>2</sub> O <sub>4</sub> hollow microspheres as high-capacity anodes for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 827-829.  | 6.7  | 236       |
| 8  | Monodisperse and homogeneous SiO <sub>2</sub> /C microspheres: A promising high-capacity and durable anode material for lithium-ion batteries. <i>Energy Storage Materials</i> , 2018, 13, 112-118.                                     | 18.0 | 222       |
| 9  | Shape-Controlled Synthesis of Cobalt-based Nanocubes, Nanodiscs, and Nanoflowers and Their Comparative Lithium-Storage Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 3628-3635.                                  | 8.0  | 177       |
| 10 | Nanoflake-constructed porous Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C hierarchical microspheres as a bicontinuous cathode for sodium-ion batteries applications. <i>Nano Energy</i> , 2019, 60, 312-323.       | 16.0 | 154       |
| 11 | In situ chemical etching of tunable 3D Ni <sub>3</sub> S <sub>2</sub> superstructures for bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13916-13922.                    | 10.3 | 117       |
| 12 | Self-templated synthesis of N-doped CoSe <sub>2</sub> /C double-shelled dodecahedra for high-performance supercapacitors. <i>Energy Storage Materials</i> , 2017, 8, 28-34.   | 18.0 | 107       |
| 13 | Bifunctional 2D-on-2D MoO <sub>3</sub> nanobelt/Ni(OH) <sub>2</sub> nanosheets for supercapacitor-driven electrochromic energy storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8343-8351.                                   | 10.3 | 106       |
| 14 | N-S co-doped C@SnS nanoflakes/graphene composite as advanced anode for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2018, 353, 606-614.  | 12.7 | 93        |
| 15 | Rational design of multi-shelled CoO/Co <sub>9</sub> S <sub>8</sub> hollow microspheres for high-performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18448-18456.                                    | 10.3 | 91        |
| 16 | N-doped one-dimensional carbonaceous backbones supported MoSe <sub>2</sub> nanosheets as superior electrodes for energy storage and conversion. <i>Chemical Engineering Journal</i> , 2018, 334, 2190-2200.                             | 12.7 | 88        |
| 17 | Uniform MnCo <sub>2</sub> O <sub>4</sub> Porous Dumbbells for Lithium-Ion Batteries and Oxygen Evolution Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 8730-8738.  | 8.0  | 83        |
| 18 | TiO <sub>2</sub> Fibers Supported <sup>125</sup> I-FeOOH Nanostructures as Efficient Visible Light Photocatalyst and Room Temperature Sensor. <i>Scientific Reports</i> , 2015, 5, 10601.   | 3.3  | 73        |

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|----|---|------|-----------|
| 19 | <i>In situ</i> formation of Ni <sub>3</sub> S <sub>2</sub> @Cu <sub>1.8</sub> S nanosheets to promote hybrid supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11044-11052.                  | 10.3 | 71        |
| 20 | Self-supported yolk-shell nanocolloids towards high capacitance and excellent cycling performance. <i>Nano Energy</i> , 2015, 18, 273-282.  | 16.0 | 53        |
| 21 | Photo-assisted electrochemical hydrogen evolution by plasmonic Ag nanoparticle/nanorod heterogeneity. <i>Informa Mater</i> , 2019, 1, 417-425.  | 17.3 | 52        |
| 22 | Three-Dimensional Carbon-Coated Treelike Ni <sub>3</sub> S <sub>2</sub> Superstructures on a Nickel Foam as Binder-Free Bifunctional Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 36018-36027.   | 8.0  | 44        |
| 23 | Topotactic Consolidation of Monocrystalline CoZn Hydroxides for Advanced Oxygen Evolution Electrodes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10326-10330.   | 13.8 | 43        |
| 24 | Fabrication of MOF-derived mixed metal oxides with carbon residues for pseudocapacitors with long cycle life. <i>Rare Metals</i> , 2022, 41, 830-835.   | 7.1  | 43        |
| 25 | Shaped-controlled synthesis of porous NiCo <sub>2</sub> O <sub>4</sub> with 1-3 dimensional hierarchical nanostructures for high-performance supercapacitors. <i>RSC Advances</i> , 2015, 5, 1697-1704.                   | 3.6  | 41        |
| 26 | One-dimensional coaxial Sb and carbon fibers with enhanced electrochemical performance for sodium-ion batteries. <i>Applied Surface Science</i> , 2018, 428, 448-454.   | 6.1  | 37        |
| 27 | Electrospun Single Crystalline Fork-Like K <sub>2</sub> V <sub>8</sub> O <sub>21</sub> as High-Performance Cathode Materials for Lithium-Ion Batteries. <i>Frontiers in Chemistry</i> , 2018, 6, 195.                     | 3.6  | 34        |
| 28 | Facile fabrication of interconnected-mesoporous T-Nb <sub>2</sub> O <sub>5</sub> nanofibers as anodes for lithium-ion batteries. <i>Science China Materials</i> , 2019, 62, 465-473.                                      | 6.3  | 31        |
| 29 | Topotactic Consolidation of Monocrystalline CoZn Hydroxides for Advanced Oxygen Evolution Electrodes. <i>Angewandte Chemie</i> , 2016, 128, 10482-10486.  | 2.0  | 30        |
| 30 | Self-templating synthesis of double-wall shelled vanadium oxide hollow microspheres for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6792-6799.                             | 10.3 | 30        |
| 31 | High-efficient electrocatalysts by unconventional acid-etching for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24153-24158.   | 10.3 | 26        |
| 32 | Outside-In Recrystallization of Zn@Cu <sub>1.8</sub> S Hollow Spheres with Interdispersed Lattices for Enhanced Visible Light Solar Hydrogen Generation. <i>Chemistry - A European Journal</i> , 2014, 20, 11505-11510.   | 3.3  | 25        |
| 33 | Carbon supported Co <sub>9</sub> S <sub>8</sub> hollow spheres assembled from ultrathin nanosheets for high-performance supercapacitors. <i>Materials Letters</i> , 2016, 183, 290-295.                                   | 2.6  | 24        |
| 34 | Direct Utilization of Photoinduced Charge Carriers to Promote Electrochemical Energy Storage. <i>Small</i> , 2021, 17, e2008047.  | 10.0 | 23        |
| 35 | Synergistic Interaction of Ternary Ni <sup>2+</sup> Co <sup>2+</sup> Cu Chalcogenides Confined in Nanosheets Array to Advance Supercapacitors and Solar Steam Generation. <i>Solar Rrl</i> , 2021, 5, 2100021.            | 5.8  | 21        |
| 36 | Rational Integration of Inbuilt Aperture with Mesoporous Framework in Unusual Asymmetrical Yolk-Shell Structures for Energy Storage and Conversion. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32901-32909. | 8.0  | 20        |

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|----|---|------|-----------|
| 37 | Controllable Ag Migration To Form One-Dimensional Ag/Ag <sub>2</sub> S@ZnS for Bifunctional Catalysis. ACS Applied Energy Materials, 2020, 3, 6146-6154.  | 5.1  | 18        |
| 38 | Self-assembly formation of NiCo <sub>2</sub> O <sub>4</sub> superstructures with porous architectures for electrochemical capacitors. RSC Advances, 2015, 5, 53259-53266.   | 3.6  | 17        |
| 39 | In-situ Copper Doping with ZnO/ZnS Heterostructures to Promote Interfacial Photocatalysis of Microsized Particles. ChemCatChem, 2021, 13, 564-573.  | 3.7  | 16        |
| 40 | Facile synthesis of flower-like hierarchical NiCo <sub>2</sub> O <sub>4</sub> microspheres as high-performance cathode materials for Li-O <sub>2</sub> batteries. RSC Advances, 2016, 6, 98867-98873.                 | 3.6  | 15        |
| 41 | Tailoring the Porous Structure of Mono-dispersed Hierarchically Nitrogen-doped Carbon Spheres for Highly Efficient Oxygen Reduction Reaction. Energy and Environmental Materials, 2021, 4, 81-87.                     | 12.8 | 12        |
| 42 | Unusual Formation of Co <sub>0.61</sub> Se <sub>0.25</sub> Anion Solid Solution with Sulfur Defects to Promote Electrocatalytic Water Reduction. ACS Applied Energy Materials, 2021, 4, 2976-2982.                    | 5.1  | 12        |
| 43 | Rational synthesis of SnS <sub>2</sub> @C hollow microspheres with superior stability for lithium-ion batteries. Science China Materials, 2017, 60, 955-962.  | 6.3  | 11        |
| 44 | Nature-Inspired Design of Artificial Solar-to-Fuel Conversion Systems based on Copper Phosphate Microflowers. ChemSusChem, 2016, 9, 1575-1578.  | 6.8  | 10        |
| 45 | Facile fabrication of hollow CuO nanocubes for enhanced lithium/sodium storage performance. CrystEngComm, 2021, 23, 6107-6116.  | 2.6  | 10        |
| 46 | Enriching surface oxygen vacancies of spinel Co <sub>3</sub> O <sub>4</sub> to boost H <sub>2</sub> O adsorption for HER in alkaline media. Materials Advances, 2021, 2, 7054-7063.                                   | 5.4  | 9         |
| 47 | Two Better Compatible and Complementary Light Absorption Polymer Donors Contributing Synergistically to High Efficiency and Better Thermally Stable Ternary Organic Solar Cells. ACS Applied Energy Materials, 0, , . | 5.1  | 7         |
| 48 | Fabrication of Core-Shell Nanocolloids with Various Core Sizes to Promote Light Capture for Green Fuels. Chemistry - an Asian Journal, 2021, 16, 761-768.   | 3.3  | 4         |
| 49 | Photoacoustic imaging of tumor-targeted HSA-modified S-WS <sub>2</sub> nanosheet probes. Journal of Nanoparticle Research, 2019, 21, 1.   | 1.9  | 1         |
| 50 | Modulation of Surface Oxygen Defects on ZnO/ZnS Catalysts to Promote Photocatalytic H <sub>2</sub> Production. ChemistrySelect, 2022, 7, .  | 1.5  | 1         |
| 51 | Fabrication of Zn-Cu-Ni Ternary Oxides in Nanoarrays for Photo-Enhanced Pseudocapacitive Charge Storage. Nanomaterials, 2022, 12, 2457.   | 4.1  | 1         |
| 52 | Electrochemical Energy Storage: Direct Utilization of Photoinduced Charge Carriers to Promote Electrochemical Energy Storage (Small 21/2021). Small, 2021, 17, 2170103.   | 10.0 | 0         |