

# Zhiyu Wang

## List of Publications by Year in descending order

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155  
papers

19,372  
citations

13865

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g-index

160  
all docs

160  
docs citations

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times ranked

20670  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Metal Oxide Hollow Nanostructures for Lithium-ion Batteries. <i>Advanced Materials</i> , 2012, 24, 1903-1911.  | 21.0 | 1,414     |
| 2  | Enhancing lithium-sulphur battery performance by strongly binding the discharge products on amino-functionalized reduced graphene oxide. <i>Nature Communications</i> , 2014, 5, 5002.                                     | 12.8 | 892       |
| 3  | Assembling carbon-coated $\text{Fe}_2\text{O}_3$ hollow nanohorns on the CNT backbone for superior lithium storage capability. <i>Energy and Environmental Science</i> , 2012, 5, 5252-5256.                               | 30.8 | 767       |
| 4  | Quasiemulsion-Templated Formation of $\text{Fe}_2\text{O}_3$ Hollow Spheres with Enhanced Lithium Storage Properties. <i>Journal of the American Chemical Society</i> , 2011, 133, 17146-17148.                            | 13.7 | 750       |
| 5  | Metal-Organic Framework-Derived Hybrid Carbon Nanocages as a Bifunctional Electrocatalyst for Oxygen Reduction and Evolution. <i>Advanced Materials</i> , 2017, 29, 1700874.   | 21.0 | 678       |
| 6  | Sustainable Synthesis and Assembly of Biomass-Derived B/N Co-Doped Carbon Nanosheets with Ultrahigh Aspect Ratio for High-Performance Supercapacitors. <i>Advanced Functional Materials</i> , 2016, 26, 111-119.           | 14.9 | 607       |
| 7  | Stabilizing the MXenes by Carbon Nanoplatting for Developing Hierarchical Nanohybrids with Efficient Lithium Storage and Hydrogen Evolution Capability. <i>Advanced Materials</i> , 2017, 29, 1607017.                     | 21.0 | 583       |
| 8  | Fast Formation of $\text{SnO}_2$ Nanoboxes with Enhanced Lithium Storage Capability. <i>Journal of the American Chemical Society</i> , 2011, 133, 4738-4741.   | 13.7 | 521       |
| 9  | Metal-organic-framework-engaged formation of Co nanoparticle-embedded carbon@ $\text{Co}_9\text{S}_8$ double-shelled nanocages for efficient oxygen reduction. <i>Energy and Environmental Science</i> , 2016, 9, 107-111. | 30.8 | 499       |
| 10 | Boosting electrocatalytic oxygen evolution by synergistically coupling layered double hydroxide with MXene. <i>Nano Energy</i> , 2018, 44, 181-190.  | 16.0 | 458       |
| 11 | Aggregation-Resistant 3D MXene-Based Architecture as Efficient Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Nano</i> , 2018, 12, 8017-8028.  | 14.6 | 425       |
| 12 | Metal-organic framework nanosheets for fast-response and highly sensitive luminescent sensing of $\text{Fe}^{3+}$ . <i>Journal of Materials Chemistry A</i> , 2016, 4, 10900-10905.  | 10.3 | 412       |
| 13 | Formation of $\text{SnO}_2$ Hollow Nanospheres inside Mesoporous Silica Nanoreactors. <i>Journal of the American Chemical Society</i> , 2011, 133, 21-23.  | 13.7 | 391       |
| 14 | Amorphous $\text{CoSnO}_3$ @C nanoboxes with superior lithium storage capability. <i>Energy and Environmental Science</i> , 2013, 6, 87-91.  | 30.8 | 337       |
| 15 | Hierarchical nickel sulfide hollow spheres for high performance supercapacitors. <i>RSC Advances</i> , 2011, 1, 397.   | 3.6  | 322       |
| 16 | Superhierarchical Cobalt-Embedded Nitrogen-Doped Porous Carbon Nanosheets as Two-in-One Hosts for High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2018, 30, e1706895.                               | 21.0 | 300       |
| 17 | Green Synthesis of NiO Nanobelts with Exceptional Pseudo-Capacitive Properties. <i>Advanced Energy Materials</i> , 2012, 2, 1188-1192.   | 19.5 | 297       |
| 18 | A Flexible $\text{TiO}_2$ (B)-Based Battery Electrode with Superior Power Rate and Ultralong Cycle Life. <i>Advanced Materials</i> , 2013, 25, 3462-3467.  | 21.0 | 286       |

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|----|--|------|-----------|
| 19 | Controlled synthesis of hierarchical NiO nanosheet hollow spheres with enhanced supercapacitive performance. <i>Journal of Materials Chemistry</i> , 2011, 21, 6602.                                       | 6.7  | 280       |
| 20 | A hierarchically porous and hydrophilic 3D nickel-iron/MXene electrode for accelerating oxygen and hydrogen evolution at high current densities. <i>Nano Energy</i> , 2019, 63, 103880.                    | 16.0 | 275       |
| 21 | Selective in vivo metabolic cell-labeling-mediated cancer targeting. <i>Nature Chemical Biology</i> , 2017, 13, 415-424.   | 8.0  | 274       |
| 22 | Fe <sub>3</sub> O <sub>4</sub> -Fe <sub>2</sub> O <sub>3</sub> nanotubes with superior lithium storage capability. <i>Chemical Communications</i> , 2011, 47, 8061.  | 4.1  | 265       |
| 23 | Dye Encapsulated Metal-Organic Framework for Warm-White LED with High Color Rendering Index. <i>Advanced Functional Materials</i> , 2015, 25, 4796-4802.   | 14.9 | 260       |
| 24 | TiO <sub>2</sub> Nanocages: Fast Synthesis, Interior Functionalization and Improved Lithium Storage Properties. <i>Advanced Materials</i> , 2012, 24, 4124-4129.   | 21.0 | 250       |
| 25 | Ultralong MoO <sub>3</sub> Nanobelts: Synthesis and Effect of Binder Choice on Their Lithium Storage Properties. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12508-12513.                          | 3.1  | 246       |
| 26 | Engineering Nonspherical Hollow Structures with Complex Interiors by Template-Engaged Redox Etching. <i>Journal of the American Chemical Society</i> , 2010, 132, 16271-16277.                             | 13.7 | 241       |
| 27 | Energy-saving hydrogen production by chlorine-free hybrid seawater splitting coupling hydrazine degradation. <i>Nature Communications</i> , 2021, 12, 4182.  | 12.8 | 233       |
| 28 | Graphene-wrapped TiO <sub>2</sub> hollow structures with enhanced lithium storage capabilities. <i>Nanoscale</i> , 2011, 3, 2158.  | 5.6  | 223       |
| 29 | Nitrogen-doped activated carbon derived from prawn shells for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2016, 190, 1134-1141.   | 5.2  | 217       |
| 30 | A Top-Down Strategy toward 3D Carbon Nanosheet Frameworks Decorated with Hollow Nanostructures for Superior Lithium Storage. <i>Advanced Functional Materials</i> , 2016, 26, 7590-7598.                   | 14.9 | 201       |
| 31 | Engineering Multifunctional Collaborative Catalytic Interface Enabling Efficient Hydrogen Evolution in All pH Range and Seawater. <i>Advanced Energy Materials</i> , 2019, 9, 1901333.                     | 19.5 | 196       |
| 32 | One-pot synthesis of uniform carbon-coated MoO <sub>2</sub> nanospheres for high-rate reversible lithium storage. <i>Chemical Communications</i> , 2010, 46, 6906.   | 4.1  | 185       |
| 33 | Synthesis of MoS <sub>2</sub> @C One-Dimensional Nanostructures with Improved Lithium Storage Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 3765-3768.                              | 8.0  | 183       |
| 34 | TiO <sub>2</sub> hollow spheres with large amount of exposed (001) facets for fast reversible lithium storage. <i>Journal of Materials Chemistry</i> , 2011, 21, 1677-1680.                                | 6.7  | 182       |
| 35 | Mixed-Metal-Organic Framework with Effective Lewis Acidic Sites for Sulfur Confinement in High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 20999-21004. | 8.0  | 182       |
| 36 | CuO nanostructures supported on Cu substrate as integrated electrodes for highly reversible lithium storage. <i>Nanoscale</i> , 2011, 3, 1618.   | 5.6  | 174       |

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|----|--|------|-----------|
| 37 | Interconnected MoO <sub>2</sub> Nanocrystals with Carbon Nanocoating as High-Capacity Anode Materials for Lithium-ion Batteries. ACS Applied Materials & Interfaces, 2011, 3, 4853-4857.                                   | 8.0  | 167       |
| 38 | MXene-Based Electrode with Enhanced Pseudocapacitance and Volumetric Capacity for Power-Type and Ultra-Long Life Lithium Storage. ACS Nano, 2018, 12, 3928-3937.   | 14.6 | 163       |
| 39 | Porous anatase TiO <sub>2</sub> constructed from a metal-organic framework for advanced lithium-ion battery anodes. Journal of Materials Chemistry A, 2014, 2, 12571.  | 10.3 | 153       |
| 40 | Freestanding Flexible Li <sub>2</sub> S Paper Electrode with High Mass and Capacity Loading for High-Energy Li-S Batteries. Advanced Energy Materials, 2017, 7, 1700018.   | 19.5 | 152       |
| 41 | Multilevel Hollow MXene Tailored Low-Pt Catalyst for Efficient Hydrogen Evolution in Full-pH Range and Seawater. Advanced Functional Materials, 2020, 30, 1910028.   | 14.9 | 150       |
| 42 | Black Hydroxylated Titanium Dioxide Prepared via Ultrasonication with Enhanced Photocatalytic Activity. Scientific Reports, 2015, 5, 11712.  | 3.3  | 133       |
| 43 | Mesoporous Single-crystal CoSn(OH) <sub>6</sub> Hollow Structures with Multilevel Interiors. Scientific Reports, 2013, 3, 1391.  | 3.3  | 131       |
| 44 | TiO <sub>2</sub> nanotube arrays grafted with Fe <sub>2</sub> O <sub>3</sub> hollow nanorods as integrated electrodes for lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 122-127.                       | 10.3 | 130       |
| 45 | Highly atom-economic synthesis of graphene/Mn <sub>3</sub> O <sub>4</sub> hybrid composites for electrochemical supercapacitors. Nanoscale, 2013, 5, 2999.   | 5.6  | 128       |
| 46 | Nitrogen-Doped Graphene on Transition Metal Substrates as Efficient Bifunctional Catalysts for Oxygen Reduction and Oxygen Evolution Reactions. ACS Applied Materials & Interfaces, 2017, 9, 22578-22587.                  | 8.0  | 128       |
| 47 | A Terbium Metal-Organic Framework for Highly Selective and Sensitive Luminescence Sensing of Hg <sup>2+</sup> Ions in Aqueous Solution. Chemistry - A European Journal, 2016, 22, 18429-18434.                             | 3.3  | 121       |
| 48 | A Polymetallic Metal-Organic Framework-Derived Strategy toward Synergistically Multidoped Metal Oxide Electrodes with Ultralong Cycle Life and High Volumetric Capacity. Advanced Functional Materials, 2017, 27, 1605332. | 14.9 | 116       |
| 49 | Sulfur-infiltrated graphene-backboned mesoporous carbon nanosheets with a conductive polymer coating for long-life lithium-sulfur batteries. Nanoscale, 2015, 7, 7569-7573.  | 5.6  | 106       |
| 50 | Dually Fixed SnO <sub>2</sub> Nanoparticles on Graphene Nanosheets by Polyaniline Coating for Superior Lithium Storage. ACS Applied Materials & Interfaces, 2015, 7, 2444-2451.  | 8.0  | 99        |
| 51 | Low temperature plasma synthesis of mesoporous Fe <sub>3</sub> O <sub>4</sub> nanorods grafted on reduced graphene oxide for high performance lithium storage. Nanoscale, 2014, 6, 2286.                                   | 5.6  | 97        |
| 52 | Energy-Saving Hydrogen Production by Seawater Electrolysis Coupling Sulfion Degradation. Advanced Materials, 2022, 34, e2109321.   | 21.0 | 95        |
| 53 | Highly dispersed Ni <sup>2+</sup> -NiS nanoparticles in porous carbon matrices by a template metal-organic framework method for lithium-ion cathode. Journal of Materials Chemistry A, 2014, 2, 7912.                      | 10.3 | 89        |
| 54 | Rational design of high-performance sodium-ion battery anode by molecular engineering of coal tar pitch. Chemical Engineering Journal, 2018, 342, 52-60.   | 12.7 | 87        |

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|----|--|------|-----------|
| 55 | Synthesis of polypeptides via bioinspired polymerization of in situ purified <i>N</i> -carboxyanhydrides. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10658-10663.                           | 7.1  | 87        |
| 56 | Accelerating polysulfide redox conversion on bifunctional electrocatalytic electrode for stable Li-S batteries. Energy Storage Materials, 2019, 20, 98-107.  | 18.0 | 87        |
| 57 | Fabrication and characterization of magnetic Fe <sub>3</sub> O <sub>4</sub> @CNT composites. Journal of Physics and Chemistry of Solids, 2010, 71, 673-676.  | 4.0  | 82        |
| 58 | CVD synthesis of coal-gas-derived carbon nanotubes and nanocapsules containing magnetic iron carbide and oxide. Carbon, 2006, 44, 2565-2568.   | 10.3 | 80        |
| 59 | Ultrastable and high-capacity carbon nanofiber anodes derived from pitch/polyacrylonitrile for flexible sodium-ion batteries. Carbon, 2018, 135, 187-194.  | 10.3 | 80        |
| 60 | Boosting redox activity on MXene-induced multifunctional collaborative interface in high Li <sub>2</sub> S loading cathode for high-energy Li-S and metallic Li-free rechargeable batteries. Journal of Energy Chemistry, 2019, 37, 183-191. | 12.9 | 80        |
| 61 | Free-standing, hierarchically porous carbon nanotube film as a binder-free electrode for high-energy Li-O <sub>2</sub> batteries. Journal of Materials Chemistry A, 2013, 1, 12033.  | 10.3 | 78        |
| 62 | Boosting the Electrocatalysis of MXenes by Plasmon-Induced Thermalization and Hot-Electron Injection. Angewandte Chemie - International Edition, 2021, 60, 9416-9420.  | 13.8 | 78        |
| 63 | Nitrogen-rich carbon coupled multifunctional metal oxide/graphene nanohybrids for long-life lithium storage and efficient oxygen reduction. Nano Energy, 2015, 12, 578-587.  | 16.0 | 76        |
| 64 | Nitrogen-doped graphene nanoribbons for high-performance lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 16832-16835.  | 10.3 | 75        |
| 65 | In situ synthesis of super-long Cu nanowires inside carbon nanotubes with coal as carbon source. Carbon, 2006, 44, 1845-1847.  | 10.3 | 74        |
| 66 | A Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene-Based Energy-Harvesting Soft Actuator with Self-Powered Humidity Sensing and Real-Time Motion Tracking Capability. ACS Nano, 2021, 15, 16811-16818.                                    | 14.6 | 74        |
| 67 | Single-atom Pt promoted Mo <sub>2</sub> C for electrochemical hydrogen evolution reaction. Journal of Energy Chemistry, 2021, 57, 371-377.   | 12.9 | 69        |
| 68 | Formation of Pt@TiO <sub>2</sub> @rGO 3-phase junctions with significantly enhanced electro-activity for methanol oxidation. Physical Chemistry Chemical Physics, 2012, 14, 473-476.   | 2.8  | 67        |
| 69 | One-Step Synthesis of SnO <sub>2</sub> and TiO <sub>2</sub> Hollow Nanostructures with Various Shapes and Their Enhanced Lithium Storage Properties. Chemistry - A European Journal, 2012, 18, 7561-7567.                                    | 3.3  | 67        |
| 70 | Low Cytotoxic Metal-Organic Frameworks as Temperature-Responsive Drug Carriers. ChemPlusChem, 2016, 81, 804-810.   | 2.8  | 67        |
| 71 | SBA-15 derived carbon-supported SnO <sub>2</sub> nanowire arrays with improved lithium storage capabilities. Journal of Materials Chemistry, 2011, 21, 13860.  | 6.7  | 61        |
| 72 | Shape Evolution of Highly Crystalline Anatase TiO <sub>2</sub> Nanobipyramids. Crystal Growth and Design, 2011, 11, 5221-5226.   | 3.0  | 61        |

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|----|--|------|-----------|
| 73 | Stabilizing MXene by Hydration Chemistry in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26587-26591.  | 13.8 | 61        |
| 74 | 2021 Roadmap: electrocatalysts for green catalytic processes. <i>JPhys Materials</i> , 2021, 4, 022004.  | 4.2  | 57        |
| 75 | Synthesis of double-walled carbon nanotubes from coal in hydrogen-free atmosphere. <i>Fuel</i> , 2007, 86, 282-286.  | 6.4  | 55        |
| 76 | A Li <sub>2</sub> S-based all-solid-state battery with high energy and superior safety. <i>Science Advances</i> , 2022, 8, eabl8390.   | 10.3 | 54        |
| 77 | Shape-Control and Characterization of Magnetite Prepared via a One-Step Solvothermal Route. <i>Crystal Growth and Design</i> , 2010, 10, 2863-2869.  | 3.0  | 53        |
| 78 | An amino-decorated NbO-type metal-organic framework for high C <sub>2</sub> H <sub>2</sub> storage and selective CO <sub>2</sub> capture. <i>RSC Advances</i> , 2015, 5, 77417-77422.  | 3.6  | 53        |
| 79 | Synthesis of branched carbon nanotubes from coal. <i>Carbon</i> , 2006, 44, 1321-1324.   | 10.3 | 52        |
| 80 | Liquid-Liquid Diffusion-Assisted Crystallization: A Fast and Versatile Approach Toward High Quality Mixed Quantum Dot-Salt Crystals. <i>Advanced Functional Materials</i> , 2015, 25, 2638-2645.   | 14.9 | 52        |
| 81 | General synthesis of MXene by green etching chemistry of fluoride-free Lewis acidic melts. <i>Rare Metals</i> , 2020, 39, 1237-1238.   | 7.1  | 52        |
| 82 | A Molecular-Cage Strategy Enabling Efficient Chemisorption-Electrocatalytic Interface in Nanostructured Li <sub>2</sub> S Cathode for Li Metal-Free Rechargeable Cells with High Energy. <i>Advanced Functional Materials</i> , 2019, 29, 1905986. | 14.9 | 51        |
| 83 | Temperature-dependent luminescent properties of Eu-Tb complexes synthesized in situ in gel glass. <i>Applied Physics Letters</i> , 2005, 86, 071907.   | 3.3  | 48        |
| 84 | A general strategy for synthesis of silver dendrites by galvanic displacement under hydrothermal conditions. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1296-1300.  | 4.0  | 48        |
| 85 | Towards efficient electrocatalysts for oxygen reduction by doping cobalt into graphene-supported graphitic carbon nitride. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19657-19661.   | 10.3 | 47        |
| 86 | Fe <sub>2</sub> O <sub>3</sub> -mediated growth and carbon nanocoating of ultrafine SnO <sub>2</sub> nanorods as anode materials for Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 2526-2531.                                | 6.7  | 46        |
| 87 | Achieving ultralong life sodium storage in amorphous cobalt-tin binary sulfide nanoboxes sheathed in N-doped carbon. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10398-10405.   | 10.3 | 45        |
| 88 | Hydrogen-Bonding Crosslinking MXene to Highly Robust and Ultralight Aerogels for Strengthening Lithium Metal Anode. <i>Small Science</i> , 2021, 1, 2100021.   | 9.9  | 41        |
| 89 | A quasi-solid-state rechargeable cell with high energy and superior safety enabled by stable redox chemistry of Li <sub>2</sub> S in gel electrolyte. <i>Energy and Environmental Science</i> , 2021, 14, 2278-2290.                               | 30.8 | 40        |
| 90 | Enhancement of nonlinear optical activity in new six-branched dendritic dipolar chromophore. <i>Journal of Materials Chemistry</i> , 2011, 21, 3197.   | 6.7  | 38        |

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|-----|---|------|-----------|
| 91  | A fluorescent pH chemosensor for strongly acidic conditions based on the intramolecular charge transfer (ICT) effect. <i>RSC Advances</i> , 2013, 3, 4872.  | 3.6  | 35        |
| 92  | Compressible graphene aerogel supported CoO nanostructures as a binder-free electrode for high-performance lithium-ion batteries. <i>RSC Advances</i> , 2015, 5, 8929-8932.                       | 3.6  | 32        |
| 93  | Ultrafine Fe <sub>3</sub> O <sub>4</sub> Quantum Dots on Hybrid Carbon Nanosheets for Long-Life, High-Rate Alkali-Metal Storage. <i>ChemElectroChem</i> , 2016, 3, 38-44.                         | 3.4  | 32        |
| 94  | General synthesis of zeolitic imidazolate framework-derived planar-N-doped porous carbon nanosheets for efficient oxygen reduction. <i>Energy Storage Materials</i> , 2017, 7, 181-188.           | 18.0 | 31        |
| 95  | Facile synthesis of graphene-supported mesoporous Mn <sub>3</sub> O <sub>4</sub> nanosheets with a high-performance in Li-ion batteries. <i>RSC Advances</i> , 2014, 4, 5367.                     | 3.6  | 30        |
| 96  | Rational design of metal oxide hollow nanostructures decorated carbon nanosheets for superior lithium storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17718-17725.                    | 10.3 | 30        |
| 97  | Carbon Nanotube Templated Synthesis of CeF <sub>3</sub> Nanowires. <i>Chemistry of Materials</i> , 2007, 19, 3364-3366.   | 6.7  | 29        |
| 98  | A High-Energy and Safe Lithium Battery Enabled by Solid-State Redox Chemistry in a Fireproof Gel Electrolyte. <i>Advanced Materials</i> , 2022, 34, e2201981.                                     | 21.0 | 27        |
| 99  | Characterizations of Al <sub>2</sub> O <sub>3</sub> /Y thin film composite anode materials for lithium-ion batteries. <i>Electrochemistry Communications</i> , 2009, 11, 1179-1182.               | 4.7  | 26        |
| 100 | Synthesis of different CuO nanostructures from Cu(OH) <sub>2</sub> nanorods through changing drying medium for lithium-ion battery anodes. <i>RSC Advances</i> , 2015, 5, 28611-28618.            | 3.6  | 26        |
| 101 | Long life rechargeable Li-O <sub>2</sub> batteries enabled by enhanced charge transfer in nanocable-like Fe@N-doped carbon nanotube catalyst. <i>Science China Materials</i> , 2017, 60, 415-426. | 6.3  | 26        |
| 102 | Water-assisted fabrication of aligned micro-sized carbon tubes made of self-assembled multi-wall carbon nanotubes. <i>Chemical Communications</i> , 2006, , 594-596.                              | 4.1  | 23        |
| 103 | Hydrogen Production and Water Desalination with On-demand Electricity Output Enabled by Electrochemical Neutralization Chemistry. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .  | 13.8 | 23        |
| 104 | Boosting hydrogen generation by anodic oxidation of iodide over Ni-Co(OH) <sub>2</sub> nanosheet arrays. <i>Nanoscale Advances</i> , 2021, 3, 604-610.  | 4.6  | 22        |
| 105 | NiCo (oxy)selenide electrocatalysts via anionic regulation for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5410-5419.                          | 10.3 | 22        |
| 106 | Hybrid Nonlinear Optical Materials Containing Imidazole Chromophore through the Sol-Gel Process. <i>Macromolecular Rapid Communications</i> , 2007, 28, 2019-2023.                                | 3.9  | 21        |
| 107 | A Noninterpenetrated Metal-Organic Framework Built from an Enlarged Tetracarboxylic Acid for Small Hydrocarbon Separation. <i>Crystal Growth and Design</i> , 2015, 15, 4071-4074.                | 3.0  | 21        |
| 108 | Microporous MOFs Engaged in the Formation of Nitrogen-Doped Mesoporous Carbon Nanosheets for High-Rate Supercapacitors. <i>Chemistry - A European Journal</i> , 2018, 24, 2681-2686.              | 3.3  | 21        |

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|-----|---|------|-----------|
| 109 | Enhanced photocatalytic activity of hydroxylated and N-doped anatase derived from amorphous hydrate. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16242-16249.  | 10.3 | 19        |
| 110 | Carbonate-assisted hydrothermal synthesis of porous, hierarchical CuO microspheres and CuO/GO for high-performance lithium-ion battery anodes. <i>RSC Advances</i> , 2015, 5, 85179-85186.                                      | 3.6  | 19        |
| 111 | Electrochemical properties of SnO <sub>2</sub> nanoparticles immobilized within a metal-organic framework as an anode material for lithium-ion batteries. <i>RSC Advances</i> , 2015, 5, 84662-84665.                           | 3.6  | 19        |
| 112 | Ultrasonic-induced disorder engineering on ZnO, ZrO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> and SnO <sub>2</sub> nanocrystals. <i>RSC Advances</i> , 2017, 7, 18785-18792.  | 3.6  | 18        |
| 113 | Synthesis and luminescence behavior of inorganic-organic hybrid materials covalently bound with pyran-containing dyes. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 52, 362-369.                                    | 2.4  | 16        |
| 114 | One-dimension TiO <sub>2</sub> nanostructures: oriented attachment and application in dye-sensitized solar cell. <i>CrystEngComm</i> , 2014, 16, 1681.  | 2.6  | 16        |
| 115 | Recyclable catalyst for catalytic hydrogenation of phenylacetylene by coupling Pd nanoparticles with highly compressible graphene aerogels. <i>RSC Advances</i> , 2014, 4, 59977-59980.   | 3.6  | 16        |
| 116 | Chemically converting graphene oxide to graphene with organic base for Suzuki reaction. <i>Materials Research Bulletin</i> , 2015, 67, 77-82.   | 5.2  | 16        |
| 117 | Coordination-driven self-assembly: construction of a Fe <sub>3</sub> O <sub>4</sub> -graphene hybrid 3D framework and its long cycle lifetime for lithium-ion batteries. <i>RSC Advances</i> , 2015, 5, 40249-40257.            | 3.6  | 16        |
| 118 | Carbon dioxide-assisted fabrication of self-organized tubular carbon micropatterns on silicon substrates. <i>Carbon</i> , 2010, 48, 1465-1472.  | 10.3 | 14        |
| 119 | TiO <sub>2</sub> mesoporous single crystals with controllable architectures and TiO <sub>2</sub> /graphene oxide nanocomposites for high-performance lithium ion battery anodes. <i>Electrochimica Acta</i> , 2016, 190, 25-32. | 5.2  | 14        |
| 120 | A new NbO type metal-organic framework for high acetylene and methane storage. <i>RSC Advances</i> , 2015, 5, 84446-84450.  | 3.6  | 13        |
| 121 | Effect of pH values on photocatalytic properties of Bi <sub>2</sub> WO <sub>6</sub> synthesized by hydrothermal method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2009, 24, 533-536.           | 1.0  | 12        |
| 122 | Bowl-like sulfur particles wrapped by graphene oxide as cathode material of lithium-sulfur batteries. <i>RSC Advances</i> , 2015, 5, 28832-28835.   | 3.6  | 12        |
| 123 | Fabrication, magnetic properties and self-assembly of hierarchical crystalline hexapod magnetites. <i>RSC Advances</i> , 2012, 2, 4329.   | 3.6  | 10        |
| 124 | Shape- and Size-Controlled Synthesis of Mn <sub>3</sub> O <sub>4</sub> Nanocrystals at Room Temperature. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3023-3029.  | 2.0  | 10        |
| 125 | Low Cytotoxic Metal-Organic Frameworks as Temperature-Responsive Drug Carriers. <i>ChemPlusChem</i> , 2016, 81, 668-668.  | 2.8  | 10        |
| 126 | Scalable Synthesis of NiFe-LDH/Ni <sub>9</sub> S <sub>8</sub> /NF Nanosheets by Two-Step Corrosion for Efficient Oxygen Electrocatalysis. <i>ChemCatChem</i> , 2022, 14, .  | 3.7  | 10        |

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|-----|--|------|-----------|
| 127 | TiO <sub>2</sub> /C composites nanorods synthesized by internal-reflux method for lithium-ion battery anode materials. <i>Materials Letters</i> , 2014, 117, 124-127.  | 2.6  | 9         |
| 128 | Controllable synthesis of spherical anatase mesocrystals for lithium ion batteries. <i>New Journal of Chemistry</i> , 2014, 38, 4754-4759.   | 2.8  | 9         |
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