# Hongfei Li

List of Publications by Year
in descending order

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| 246 | 33,849 | 1888 102 | 4112 175 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 268 | 268 | 268 | 20018 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nanoporous CaCO<sub>3</sub> Coatings Enabled Uniform Zn Stripping/Plating for Longâ€Life Zinc Rechargeable Aqueous Batteries. Advanced Energy Materials, 2018, 8, 1801090. | 10.2 | 869 |
| 2 | Advanced rechargeable zinc-based batteries: Recent progress and future perspectives. Nano Energy, 2019, 62, 550-587. | 8.2 | 817 |
| 3 | An extremely safe and wearable solid-state zinc ion battery based on a hierarchical structured polymer electrolyte. Energy and Environmental Science, 2018, 11, 941-951. | 15.6 | 731 |
| 4 | Photoluminescent Ti<sub>3</sub>C<sub>2</sub> MXene Quantum Dots for Multicolor Cellular Imaging. Advanced Materials, 2017, 29, 1604847. | 11.1 | 692 |
| 5 | A self-healable and highly stretchable supercapacitor based on a dual crosslinked polyelectrolyte. Nature Communications, 2015, 6, 10310. | 5.8 | 634 |
| 6 | Nanostructured Polypyrrole as a flexible electrode material of supercapacitor. Nano Energy, 2016, 22, 422-438. | 8.2 | 629 |
| 7 | Three-dimensional strutted graphene grown by substrate-free sugar blowing for high-power-density supercapacitors. Nature Communications, 2013, 4, 2905. | 5.8 | 606 |
| 8 | Dendrites in Znâ€Based Batteries. Advanced Materials, 2020, 32, e2001854. | 11.1 | 601 |
| 9 | Highly Flexible, Freestanding Supercapacitor Electrode with Enhanced Performance Obtained by Hybridizing Polypyrrole Chains with MXene. Advanced Energy Materials, 2016, 6, 1600969. | 10.2 | 580 |
| 10 | A Superior Î´-MnO<sub>2</sub> Cathode and a Self-Healing Zn-Î´-MnO<sub>2</sub> Battery. ACS Nano, 2019, 13, 10643-10652. | 7.3 | 535 |
| 11 | Polyhedral Oligosilsesquioxaneâ€Modified Boron Nitride Nanotube Based Epoxy Nanocomposites: An Ideal Dielectric Material with High Thermal Conductivity. Advanced Functional Materials, 2013, 23, 1824-1831. | 7.8 | 529 |
| 12 | Voltage issue of aqueous rechargeable metal-ion batteries. Chemical Society Reviews, 2020, 49, 180-232. | 18.7 | 522 |
| 13 | A flexible rechargeable aqueous zinc manganese-dioxide battery working at â^'20 Â°C. Energy and Environmental Science, 2019, 12, 706-715. | 15.6 | 511 |
| 14 | Do Zinc Dendrites Exist in Neutral Zinc Batteries: A Developed Electrohealing Strategy to In Situ Rescue Inâ€Service Batteries. Advanced Materials, 2019, 31, e1903778. | 11.1 | 494 |
| 15 | An Intrinsically Stretchable and Compressible Supercapacitor Containing a Polyacrylamide Hydrogel Electrolyte. Angewandte Chemie - International Edition, 2017, 56, 9141-9145. | 7.2 | 458 |
| 16 | Texturing in situ: N,S-enriched hierarchically porous carbon as a highly active reversible oxygen electrocatalyst. Energy and Environmental Science, 2017, 10, 742-749. | 15.6 | 451 |
| 17 | Waterproof and Tailorable Elastic Rechargeable Yarn Zinc Ion Batteries by a Cross-Linked Polyacrylamide Electrolyte. ACS Nano, 2018, 12, 3140-3148. | 7.3 | 439 |
| 18 | Hydrogel Electrolytes for Flexible Aqueous Energy Storage Devices. Advanced Functional Materials, 2018, 28, 1804560. | 7.8 | 433 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | MXene chemistry, electrochemistry and energy storage applications. Nature Reviews Chemistry, 2022, 6, 389-404. | 13.8 | 429 |
| 20 | Multifunctional Energy Storage and Conversion Devices. Advanced Materials, 2016, 28, 8344-8364. | 11.1 | 420 |
| 21 | Initiating a mild aqueous electrolyte Co<sub>3</sub>O<sub>4</sub>/Zn battery with 2.2 V-high voltage and 5000-cycle lifespan by a Co(<scp>iii</scp>) rich-electrode. Energy and Environmental Science, 2018, 11, 2521-2530. | 15.6 | 414 |
| 22 | From Industrially Weavable and Knittable Highly Conductive Yarns to Large Wearable Energy Storage Textiles. ACS Nano, 2015, 9, 4766-4775. | 7.3 | 411 |
| 23 | Toward Practical Highâ€Arealâ€Capacity Aqueous Zincâ€Metal Batteries: Quantifying Hydrogen Evolution and a Solidâ€Ion Conductor for Stable Zinc Anodes. Advanced Materials, 2021, 33, e2007406. | 11.1 | 382 |
| 24 | Hydrogenâ€Free and Dendriteâ€Free Allâ€Solidâ€State Znâ€Ion Batteries. Advanced Materials, 2020, 32, e1908121. | 11.1 | 381 |
| 25 | Recent Progress on Flexible and Wearable Supercapacitors. Small, 2017, 13, 1701827. | 5.2 | 365 |
| 26 | Activating Câ€Coordinated Iron of Iron Hexacyanoferrate for Zn Hybridâ€Ion Batteries with 10 000â€Cycle Lifespan and Superior Rate Capability. Advanced Materials, 2019, 31, e1901521. | 11.1 | 363 |
| 27 | Achieving Highâ€Voltage and Highâ€Capacity Aqueous Rechargeable Zinc Ion Battery by Incorporating Twoâ€Species Redox Reaction. Advanced Energy Materials, 2019, 9, 1902446. | 10.2 | 341 |
| 28 | Single-Site Active Iron-Based Bifunctional Oxygen Catalyst for a Compressible and Rechargeable Zincâ€“Air Battery. ACS Nano, 2018, 12, 1949-1958. | 7.3 | 336 |
| 29 | Weavable, Conductive Yarn-Based NiCo//Zn Textile Battery with High Energy Density and Rate Capability. ACS Nano, 2017, 11, 8953-8961. | 7.3 | 310 |
| 30 | Magnetic-Assisted, Self-Healable, Yarn-Based Supercapacitor. ACS Nano, 2015, 9, 6242-6251. | 7.3 | 291 |
| 31 | Superâ€Stretchable Zincâ€“Air Batteries Based on an Alkalineâ€Tolerant Dualâ€Network Hydrogel Electrolyte. Advanced Energy Materials, 2019, 9, 1803046. | 10.2 | 287 |
| 32 | Zwitterionic Sulfobetaine Hydrogel Electrolyte Building Separated Positive/Negative Ion Migration Channels for Aqueous Znâ€MnO<sub>2</sub> Batteries with Superior Rate Capabilities. Advanced Energy Materials, 2020, 10, 2000035. | 10.2 | 287 |
| 33 | Achieving Both High Voltage and High Capacity in Aqueous Zincâ€Ion Battery for Record High Energy Density. Advanced Functional Materials, 2019, 29, 1906142. | 7.8 | 285 |
| 34 | Recent progresses in high-energy-density all pseudocapacitive-electrode-materials-based asymmetric supercapacitors. Journal of Materials Chemistry A, 2017, 5, 9443-9464. | 5.2 | 278 |
| 35 | Evaluating Flexibility and Wearability of Flexible Energy Storage Devices. Joule, 2019, 3, 613-619. | 11.7 | 273 |
| 36 | Hydrogenâ€Substituted Graphdiyne Ion Tunnels Directing Concentration Redistribution for Commercialâ€Grade Dendriteâ€Free Zinc Anodes. Advanced Materials, 2020, 32, e2001755. | 11.1 | 261 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Flexible Waterproof Rechargeable Hybrid Zinc Batteries Initiated by Multifunctional Oxygen Vacancies-Rich Cobalt Oxide. ACS Nano, 2018, 12, 8597-8605. | 7.3 | 257 |
| 38 | A flexible solid-state zinc ion hybrid supercapacitor based on co-polymer derived hollow carbon spheres. Journal of Materials Chemistry A, 2019, 7, 7784-7790. | 5.2 | 254 |
| 39 | Solidâ€State Rechargeable Zn//NiCo and Znâ€“Air Batteries with Ultralong Lifetime and High Capacity: The Role of a Sodium Polyacrylate Hydrogel Electrolyte. Advanced Energy Materials, 2018, 8, 1802288. | 10.2 | 253 |
| 40 | Polyurethane/Cotton/Carbon Nanotubes Core-Spun Yarn as High Reliability Stretchable Strain Sensor for Human Motion Detection. ACS Applied Materials & Interfaces, 2016, 8, 24837-24843. | 4.0 | 251 |
| 41 | Non-metallic charge carriers for aqueous batteries. Nature Reviews Materials, 2021, 6, 109-123. | 23.3 | 250 |
| 42 | Organic quinones towards advanced electrochemical energy storage: recent advances and challenges. Journal of Materials Chemistry A, 2019, 7, 23378-23415. | 5.2 | 248 |
| 43 | Quasi-Isolated Au Particles as Heterogeneous Seeds To Guide Uniform Zn Deposition for Aqueous Zinc-Ion Batteries. ACS Applied Energy Materials, 2019, 2, 6490-6496. | 2.5 | 247 |
| 44 | Towards wearable electronic devices: A quasi-solid-state aqueous lithium-ion battery with outstanding stability, flexibility, safety and breathability. Nano Energy, 2018, 44, 164-173. | 8.2 | 228 |
| 45 | Mn<sub>3</sub>O<sub>4</sub>nanoparticles on layer-structured Ti<sub>3</sub>C<sub>2</sub>MXene towards the oxygen reduction reaction and zincâ€“air batteries. Journal of Materials Chemistry A, 2017, 5, 20818-20823. | 5.2 | 226 |
| 46 | A Wholly Degradable, Rechargeable Znâ€“Ti<sub>3</sub>C<sub>2</sub> MXene Capacitor with Superior Anti-Self-Discharge Function. ACS Nano, 2019, 13, 8275-8283. | 7.3 | 224 |
| 47 | Insight on Organic Molecules in Aqueous Znâ€Ion Batteries with an Emphasis on the Zn Anode Regulation. Advanced Energy Materials, 2022, 12, . | 10.2 | 208 |
| 48 | An Overview of Fiberâ€Shaped Batteries with a Focus on Multifunctionality, Scalability, and Technical Difficulties. Advanced Materials, 2020, 32, e1902151. | 11.1 | 207 |
| 49 | Pd doping-weakened intermediate adsorption to promote electrocatalytic nitrate reduction on TiO<sub>2</sub> nanoarrays for ammonia production and energy supply with zincâ€“nitrate batteries. Energy and Environmental Science, 2021, 14, 3938-3944. | 15.6 | 204 |
| 50 | A Nanofibrillated Cellulose/Polyacrylamide Electrolyteâ€Based Flexible and Sewable Highâ€Performance Znâ€“MnO<sub>2</sub> Battery with Superior Shear Resistance. Small, 2018, 14, e1803978. | 5.2 | 191 |
| 51 | A soft yet device-level dynamically super-tough supercapacitor enabled by an energy-dissipative dual-crosslinked hydrogel electrolyte. Nano Energy, 2019, 58, 732-742. | 8.2 | 187 |
| 52 | Initiating Hexagonal MoO<sub>3</sub> for Superbâ€Stable and Fast NH<sub>4</sub><sup>+</sup> Storage Based on Hydrogen Bond Chemistry. Advanced Materials, 2020, 32, e1907802. | 11.1 | 186 |
| 53 | Halogenated Ti<sub>3</sub>C<sub>2</sub> MXenes with Electrochemically Active Terminals for High-Performance Zinc Ion Batteries. ACS Nano, 2021, 15, 1077-1085. | 7.3 | 183 |
| 54 | A Highly Elastic and Reversibly Stretchable Allâ€Polymer Supercapacitor. Angewandte Chemie - International Edition, 2019, 58, 15707-15711. | 7.2 | 181 |

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|---|---|---|---|
| 55 | Phase Transition Induced Unusual Electrochemical Performance of V<sub>2</sub>CT<sub>X</sub> MXene for Aqueous Zinc Hybrid-Ion Battery. ACS Nano, 2020, 14, 541-551. | 7.3 | 179 |
| 56 | An Intrinsically Selfâ€Healing NiCo||Zn Rechargeable Battery with a Selfâ€Healable Ferricâ€Ionâ€Crosslinking Sodium Polyacrylate Hydrogel Electrolyte. Angewandte Chemie - International Edition, 2018, 57, 9810-9813. | 7.2 | 171 |
| 57 | Ultrathin nanoporous Fe3O4â€“carbon nanosheets with enhanced supercapacitor performance. Journal of Materials Chemistry A, 2013, 1, 1952. | 5.2 | 168 |
| 58 | Recent Advances in Electrolytes for â€œBeyond Aqueousâ€•Zincâ€Ion Batteries. Advanced Materials, 2022, 34, e2106409. | 11.1 | 167 |
| 59 | Enhancement on Cycle Performance of Zn Anodes by Activated Carbon Modification for Neutral Rechargeable Zinc Ion Batteries. Journal of the Electrochemical Society, 2015, 162, A1439-A1444. | 1.3 | 164 |
| 60 | Highly anisotropic, multichannel wood carbon with optimized heteroatom doping for supercapacitor and oxygen reduction reaction. Carbon, 2018, 130, 532-543. | 5.4 | 164 |
| 61 | A Highly Durable, Transferable, and Substrateâ€Versatile Highâ€Performance Allâ€Polymer Microâ€Supercapacitor with Plugâ€andâ€Play Function. Advanced Materials, 2017, 29, 1605137. | 11.1 | 160 |
| 62 | A mechanically durable and device-level tough Zn-MnO2 battery with high flexibility. Energy Storage Materials, 2019, 23, 636-645. | 9.5 | 159 |
| 63 | Polymer composites of boron nitride nanotubes and nanosheets. Journal of Materials Chemistry C, 2014, 2, 10049-10061. | 2.7 | 153 |
| 64 | Binder-free hierarchical VS<sub>2</sub> electrodes for high-performance aqueous Zn ion batteries towards commercial level mass loading. Journal of Materials Chemistry A, 2019, 7, 16330-16338. | 5.2 | 152 |
| 65 | Grafted MXene/polymer electrolyte for high performance solid zinc batteries with enhanced shelf life at low/high temperatures. Energy and Environmental Science, 2021, 14, 3492-3501. | 15.6 | 152 |
| 66 | A Universal Principle to Design Reversible Aqueous Batteries Based on Depositionâ€“Dissolution Mechanism. Advanced Energy Materials, 2019, 9, 1901838. | 10.2 | 151 |
| 67 | NaCl-templated synthesis of hierarchical porous carbon with extremely large specific surface area and improved graphitization degree for high energy density lithium ion capacitors. Journal of Materials Chemistry A, 2018, 6, 17057-17066. | 5.2 | 149 |
| 68 | Phosphorene as Cathode Material for Highâ€Voltage, Antiâ€Selfâ€Discharge Zinc Ion Hybrid Capacitors. Advanced Energy Materials, 2020, 10, 2001024. | 10.2 | 149 |
| 69 | Redoxâ€Active Organic Sodium Anthraquinoneâ€2â€Sulfonate (AQS) Anchored on Reduced Graphene Oxide for Highâ€Performance Supercapacitors. Advanced Energy Materials, 2018, 8, 1802088. | 10.2 | 147 |
| 70 | Polymers for supercapacitors: Boosting the development of the flexible and wearable energy storage. Materials Science and Engineering Reports, 2020, 139, 100520. | 14.8 | 145 |
| 71 | Component Matters: Paving the Roadmap toward Enhanced Electrocatalytic Performance of Graphitic C<sub>3</sub>N<sub>4</sub>-Based Catalysts via Atomic Tuning. ACS Nano, 2017, 11, 6004-6014. | 7.3 | 144 |
| 72 | Gradient fluorinated alloy to enable highly reversible Zn-metal anode chemistry. Energy and Environmental Science, 2022, 15, 1086-1096. | 15.6 | 141 |

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|---|---|---|---|
| 73 | A flexible rechargeable zinc-ion wire-shaped battery with shape memory function. Journal of Materials Chemistry A, 2018, 6, 8549-8557. | 5.2 | 138 |
| 74 | Highly Efficient Electrochemical Reduction of Nitrogen to Ammonia on Surface Termination Modified Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene Nanosheets. ACS Nano, 2020, 14, 9089-9097. | 7.3 | 137 |
| 75 | Toward a Practical Zn Powder Anode: Ti<sub>3</sub>C<sub>2</sub>Tx MXene as a Lattice-Match Electrons/Ions Redistributor. ACS Nano, 2021, 15, 14631-14642. | 7.3 | 137 |
| 76 | A Flexible Solidâ€State Aqueous Zinc Hybrid Battery with Flat and Highâ€Voltage Discharge Plateau. Advanced Energy Materials, 2019, 9, 1902473. | 10.2 | 136 |
| 77 | Recent Progress of <scp>MX</scp>eneâ€Based Nanomaterials in Flexible Energy Storage and Electronic Devices. Energy and Environmental Materials, 2018, 1, 183-195. | 7.3 | 135 |
| 78 | Dendrites issues and advances in Zn anode for aqueous rechargeable Znâ€based batteries. EcoMat, 2020, 2, e12035. | 6.8 | 135 |
| 79 | A shape memory supercapacitor and its application in smart energy storage textiles. Journal of Materials Chemistry A, 2016, 4, 1290-1297. | 5.2 | 134 |
| 80 | A smart safe rechargeable zinc ion battery based on sol-gel transition electrolytes. Science Bulletin, 2018, 63, 1077-1086. | 4.3 | 134 |
| 81 | Capacitance Enhancement in a Semiconductor Nanostructureâ€Based Supercapacitor by Solar Light and a Selfâ€Powered Supercapacitorâ€“Photodetector System. Advanced Functional Materials, 2016, 26, 4481-4490. | 7.8 | 133 |
| 82 | Activating the I<sup>0</sup>/I<sup>+</sup> redox couple in an aqueous I<sub>2</sub>â€“Zn battery to achieve a high voltage plateau. Energy and Environmental Science, 2021, 14, 407-413. | 15.6 | 129 |
| 83 | In Situ Electrochemical Synthesis of MXenes without Acid/Alkali Usage in/for an Aqueous Zinc Ion Battery. Advanced Energy Materials, 2020, 10, 2001791. | 10.2 | 128 |
| 84 | Vertically Aligned Sn<sup>4+</sup> Preintercalated Ti<sub>2</sub>CT<sub>X</sub> MXene Sphere with Enhanced Zn Ion Transportation and Superior Cycle Lifespan. Advanced Energy Materials, 2020, 10, 2001394. | 10.2 | 127 |
| 85 | An electrochromic supercapacitor and its hybrid derivatives: quantifiably determining their electrical energy storage by an optical measurement. Journal of Materials Chemistry A, 2015, 3, 21321-21327. | 5.2 | 124 |
| 86 | Pseudocapacitive anthraquinone modified with reduced graphene oxide for flexible symmetric all-solid-state supercapacitors. Carbon, 2018, 127, 459-468. | 5.4 | 123 |
| 87 | Advances in Flexible and Wearable Energyâ€Storage Textiles. Small Methods, 2018, 2, 1800124. | 4.6 | 123 |
| 88 | Effects of Anion Carriers on Capacitance and Selfâ€Discharge Behaviors of Zinc Ion Capacitors. Angewandte Chemie - International Edition, 2021, 60, 1011-1021. | 7.2 | 122 |
| 89 | Calendar Life of Zn Batteries Based on Zn Anode with Zn Powder/Current Collector Structure. Advanced Energy Materials, 2021, 11, 2003931. | 10.2 | 122 |
| 90 | Enhanced Redox Kinetics and Duration of Aqueous I<sub>2</sub>/I<sup>â”</sup> Conversion Chemistry by MXene Confinement. Advanced Materials, 2021, 33, e2006897. | 11.1 | 121 |

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|---|---|---|---|
| 91 | A high performance fiber-shaped PEDOT@MnO<sub>2</sub>//C@Fe<sub>3</sub>O<sub>4</sub>asymmetric supercapacitor for wearable electronics. Journal of Materials Chemistry A, 2016, 4, 14877-14883. | 5.2 | 118 |
| 92 | 3D Graphene Fibers Grown by Thermal Chemical Vapor Deposition. Advanced Materials, 2018, 30, e1705380. | 11.1 | 116 |
| 93 | Multiâ€Functional Hydrogels for Flexible Zincâ€Based Batteries Working under Extreme Conditions. Advanced Energy Materials, 2021, 11, 2101749. | 10.2 | 116 |
| 94 | Enabling highly efficient, flexible and rechargeable quasi-solid-state zn-air batteries via catalyst engineering and electrolyte functionalization. Energy Storage Materials, 2019, 20, 234-242. | 9.5 | 115 |
| 95 | Stabilized Co<sup>3+</sup>/Co<sup>4+</sup> Redox Pair in In Situ Produced CoSe<sub>2â^'</sub><sub>x</sub>â€Derived Cobalt Oxides for Alkaline Zn Batteries with 10 000â€Cycle Lifespan and 1.9â€V Voltage Plateau. Advanced Energy Materials, 2020, 10, 2000892. | 10.2 | 114 |
| 96 | Toward enhanced activity of a graphitic carbon nitride-based electrocatalyst in oxygen reduction and hydrogen evolution reactions via atomic sulfur doping. Journal of Materials Chemistry A, 2016, 4, 12205-12211. | 5.2 | 112 |
| 97 | Construction of a hierarchical 3D Co/N-carbon electrocatalyst for efficient oxygen reduction and overall water splitting. Journal of Materials Chemistry A, 2018, 6, 489-497. | 5.2 | 111 |
| 98 | Electrocatalytic Iodine Reduction Reaction Enabled by Aqueous Zincâ€Iodine Battery with Improved Power and Energy Densities. Angewandte Chemie - International Edition, 2021, 60, 3791-3798. | 7.2 | 111 |
| 99 | Towards high areal capacitance, rate capability, and tailorable supercapacitors: Co<sub>3</sub>O<sub>4</sub>@polypyrrole coreâ€“shell nanorod bundle array electrodes. Journal of Materials Chemistry A, 2018, 6, 19058-19065. | 5.2 | 110 |
| 100 | Porous single-crystal NaTi2(PO4)3 via liquid transformation of TiO2 nanosheets for flexible aqueous Na-ion capacitor. Nano Energy, 2018, 50, 623-631. | 8.2 | 110 |
| 101 | Efficient Ammonia Electrosynthesis and Energy Conversion through a Znâ€Nitrate Battery by Iron Doping Engineered Nickel Phosphide Catalyst. Advanced Energy Materials, 2022, 12, . | 10.2 | 108 |
| 102 | Highly Flexible and Self-Healable Thermal Interface Material Based on Boron Nitride Nanosheets and a Dual Cross-Linked Hydrogel. ACS Applied Materials & Interfaces, 2017, 9, 10078-10084. | 4.0 | 107 |
| 103 | Proton-assisted calcium-ion storage in aromatic organic molecular crystal with coplanar stacked structure. Nature Communications, 2021, 12, 2400. | 5.8 | 107 |
| 104 | Energy density issues of flexible energy storage devices. Energy Storage Materials, 2020, 28, 264-292. | 9.5 | 106 |
| 105 | Highly Compressible Cross-Linked Polyacrylamide Hydrogel-Enabled Compressible Znâ€“MnO<sub>2</sub> Battery and a Flexible Batteryâ€“Sensor System. ACS Applied Materials & Interfaces, 2018, 10, 44527-44534. | 4.0 | 105 |
| 106 | Aqueous Zincâ€“Tellurium Batteries with Ultraflat Discharge Plateau and High Volumetric Capacity. Advanced Materials, 2020, 32, e2001469. | 11.1 | 104 |
| 107 | Manipulating anion intercalation enables a high-voltage aqueous dual ion battery. Nature Communications, 2021, 12, 3106. | 5.8 | 104 |
| 108 | Liquidâ€Free Allâ€Solidâ€State Zinc Batteries and Encapsulationâ€Free Flexible Batteries Enabled by Inâ€…Situ Constructed Polymer Electrolyte. Angewandte Chemie - International Edition, 2020, 59, 23836-23844. | 7.2 | 102 |

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|---|---|---|---|
| 109 | Extremely Stable Polypyrrole Achieved via Molecular Ordering for Highly Flexible Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 2435-2440. | 4.0 | 99 |
| 110 | Topâ€Down Fabrication of Stable Methylammonium Lead Halide Perovskite Nanocrystals by Employing a Mixture of Ligands as Coordinating Solvents. Angewandte Chemie - International Edition, 2017, 56, 9571-9576. | 7.2 | 98 |
| 111 | Light-permeable, photoluminescent microbatteries embedded in the color filter of a screen. Energy and Environmental Science, 2018, 11, 2414-2422. | 15.6 | 97 |
| 112 | Nanostructured Anode Materials for Nonâ€aqueous Lithium Ion Hybrid Capacitors. Energy and Environmental Materials, 2018, 1, 75-87. | 7.3 | 97 |
| 113 | Hierarchically Bicontinuous Porous Copper as Advanced 3D Skeleton for Stable Lithium Storage. ACS Applied Materials & Interfaces, 2018, 10, 13552-13561. | 4.0 | 95 |
| 114 | Biomimetic organohydrogel electrolytes for highâ€environmental adaptive energy storage devices. EcoMat, 2019, 1, e12008. | 6.8 | 95 |
| 115 | A Versatile Cation Additive Enabled Highly Reversible Zinc Metal Anode. Advanced Energy Materials, 2022, 12, . | 10.2 | 95 |
| 116 | Zinc/selenium conversion battery: a system highly compatible with both organic and aqueous electrolytes. Energy and Environmental Science, 2021, 14, 2441-2450. | 15.6 | 93 |
| 117 | Electrochemically induced NiCoSe2@NiOOH/CoOOH heterostructures as multifunctional cathode materials for flexible hybrid zn batteries. Energy Storage Materials, 2021, 36, 427-434. | 9.5 | 92 |
| 118 | The rise of aqueous rechargeable batteries with organic electrode materials. Journal of Materials Chemistry A, 2020, 8, 15479-15512. | 5.2 | 90 |
| 119 | Lattice Matching and Halogen Regulation for Synergistically Induced Uniform Zinc Electrodeposition by Halogenated Ti<sub>3</sub>C<sub>2</sub> MXenes. ACS Nano, 2022, 16, 813-822. | 7.3 | 90 |
| 120 | Lowâ€Bandgap Organic Bulkâ€Heterojunction Enabled Efficient and Flexible Perovskite Solar Cells. Advanced Materials, 2021, 33, e2105539. | 11.1 | 89 |
| 121 | Biopolymer-assisted synthesis of 3D interconnected Fe3O4@carbon core@shell as anode for asymmetric lithium ion capacitors. Carbon, 2018, 140, 296-305. | 5.4 | 88 |
| 122 | Flexible quasi-solid-state zinc ion batteries enabled by highly conductive carrageenan bio-polymer electrolyte. RSC Advances, 2019, 9, 16313-16319. | 1.7 | 88 |
| 123 | Initiating a Reversible Aqueous Zn/Sulfur Battery through a â€œLiquid Filmâ€. Advanced Materials, 2020, 32, e2003070. | 11.1 | 88 |
| 124 | Carbonâ€Supported Nickel Selenide Hollow Nanowires as Advanced Anode Materials for Sodiumâ€Ion Batteries. Small, 2018, 14, 1702669. | 5.2 | 87 |
| 125 | A Highly Stable and Durable Capacitive Strain Sensor Based on Dynamically Superâ€Tough Hydro/Organoâ€Gels. Advanced Functional Materials, 2021, 31, 2010830. | 7.8 | 84 |
| 126 | Recent advances in flexible aqueous zinc-based rechargeable batteries. Nanoscale, 2019, 11, 17992-18008. | 2.8 | 83 |

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|---|---|---|---|
| 127 | Boron Element Nanowires Electrode for Supercapacitors. Advanced Energy Materials, 2018, 8, 1703117. | 10.2 | 81 |
| 128 | Inhibiting Grain Pulverization and Sulfur Dissolution of Bismuth Sulfide by Ionic Liquid Enhanced Poly(3,4-ethylenedioxythiophene):Poly(styrenesulfonate) for High-Performance Zinc-Ion Batteries. ACS Nano, 2019, 13, 7270-7280. | 7.3 | 81 |
| 129 | Uniform Virusâ€Like Coâ€“Nâ€“Cs Electrocatalyst Derived from Prussian Blue Analog for Stretchable Fiberâ€Shaped Znâ€“Air Batteries. Advanced Functional Materials, 2020, 30, 1908945. | 7.8 | 81 |
| 130 | Recent progress of fiber-shaped asymmetric supercapacitors. Materials Today Energy, 2017, 5, 1-14. | 2.5 | 80 |
| 131 | A Usage Scenario Independent â€œAir Chargeableâ€•Flexible Zinc Ion Energy Storage Device. Advanced Energy Materials, 2019, 9, 1900509. | 10.2 | 80 |
| 132 | Highly Integrated Supercapacitorâ€Sensor Systems via Material and Geometry Design. Small, 2016, 12, 3393-3399. | 5.2 | 78 |
| 133 | Integrating a Triboelectric Nanogenerator and a Zincâ€Ion Battery on a Designed Flexible 3D Spacer Fabric. Small Methods, 2018, 2, 1800150. | 4.6 | 78 |
| 134 | Confining Aqueous Znâ€“Br Halide Redox Chemistry by Ti<sub>3</sub>C<sub>2</sub>T<sub>X</sub> MXene. ACS Nano, 2021, 15, 1718-1726. | 7.3 | 78 |
| 135 | Commencing an Acidic Battery Based on a Copper Anode with Ultrafast Protonâ€Regulated Kinetics and Superior Dendriteâ€Free Property. Advanced Materials, 2019, 31, e1905873. | 11.1 | 77 |
| 136 | A zinc battery with ultra-flat discharge plateau through phase transition mechanism. Nano Energy, 2020, 71, 104583. | 8.2 | 75 |
| 137 | Fabrication of Boron Nitride Nanosheets by Exfoliation. Chemical Record, 2016, 16, 1204-1215. | 2.9 | 74 |
| 138 | Molecular Crowding Effect in Aqueous Electrolytes to Suppress Hydrogen Reduction Reaction and Enhance Electrochemical Nitrogen Reduction. Advanced Energy Materials, 2021, 11, 2101699. | 10.2 | 73 |
| 139 | Self-healable electroluminescent devices. Light: Science and Applications, 2018, 7, 102. | 7.7 | 71 |
| 140 | Commencing mild Agâ€“Zn batteries with long-term stability and ultra-flat voltage platform. Energy Storage Materials, 2020, 25, 86-92. | 9.5 | 68 |
| 141 | Hydrated hybrid vanadium oxide nanowires as the superior cathode for aqueous Zn battery. Materials Today Energy, 2019, 14, 100361. | 2.5 | 67 |
| 142 | Hydrothermal synthesis of blue-fluorescent monolayer BN and BCNO quantum dots for bio-imaging probes. RSC Advances, 2016, 6, 79090-79094. | 1.7 | 66 |
| 143 | Stretchable Energy Storage Devices: From Materials and Structural Design to Device Assembly. Advanced Energy Materials, 2021, 11, 2003308. | 10.2 | 61 |
| 144 | In situ formation of NaTi<sub>2</sub>(PO<sub>4</sub>)<sub>3</sub> cubes on Ti<sub>3</sub>C<sub>2</sub> MXene for dual-mode sodium storage. Journal of Materials Chemistry A, 2018, 6, 18525-18532. | 5.2 | 60 |

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|---|---|---|---|
| 145 | Highâ€Voltage Organic Cathodes for Zincâ€Ion Batteries through Electron Cloud and Solvation Structure Regulation. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 60 |
| 146 | Cations Coordinationâ€Regulated Reversibility Enhancement for Aqueous Znâ€Ion Battery. Advanced Functional Materials, 2021, 31, 2105736. | 7.8 | 59 |
| 147 | Smallâ€Dipoleâ€Moleculeâ€Containing Electrolytes for Highâ€Voltage Aqueous Rechargeable Batteries. Advanced Materials, 2022, 34, e2106180. | 11.1 | 58 |
| 148 | Electrospun Nâ€Doped Hierarchical Porous Carbon Nanofiber with Improved Degree of Graphitization for Highâ€Performance Lithium Ion Capacitor. Chemistry - A European Journal, 2018, 24, 10460-10467. | 1.7 | 55 |
| 149 | Ni<sub>3</sub>S<sub>2</sub>/Ni nanosheet arrays for high-performance flexible zinc hybrid batteries with evident two-stage charge and discharge processes. Journal of Materials Chemistry A, 2019, 7, 18915-18924. | 5.2 | 55 |
| 150 | Recent Advances in Electrode Fabrication for Flexible Energyâ€Storage Devices. Advanced Materials Technologies, 2019, 4, 1900083. | 3.0 | 54 |
| 151 | Boosting the Cycling Stability of Aqueous Flexible Zn Batteries via F Doping in Nickelâ€“Cobalt Carbonate Hydroxide Cathode. Small, 2020, 16, e2001935. | 5.2 | 54 |
| 152 | A manganese hexacyanoferrate framework with enlarged ion tunnels and twoâ€species redox reaction for aqueous Al-ion batteries. Nano Energy, 2021, 84, 105945. | 8.2 | 54 |
| 153 | Etherâ€“Water Hybrid Electrolyte Contributing to Excellent Mg Ion Storage in Layered Sodium Vanadate. ACS Nano, 2022, 16, 6093-6102. | 7.3 | 54 |
| 154 | Organic materialsâ€based cathode for zinc ion battery. SmartMat, 2022, 3, 565-581. | 6.4 | 54 |
| 155 | A rechargeable Alâ€“N<sub>2</sub> battery for energy storage and highly efficient N<sub>2</sub> fixation. Energy and Environmental Science, 2020, 13, 2888-2895. | 15.6 | 53 |
| 156 | Folate-conjugated boron nitride nanospheres for targeted delivery of anticancer drug. International Journal of Nanomedicine, 2016, Volume 11, 4573-4582. | 3.3 | 52 |
| 157 | Suppressing passivation layer of Al anode in aqueous electrolytes by complexation of H2PO4â^' to Al3+ and an electrochromic Al ion battery. Energy Storage Materials, 2021, 39, 412-418. | 9.5 | 52 |
| 158 | A modularization approach for linear-shaped functional supercapacitors. Journal of Materials Chemistry A, 2016, 4, 4580-4586. | 5.2 | 50 |
| 159 | Dendrite Issues for Zinc Anodes in a Flexible Cell Configuration for Zincâ€Based Wearable Energyâ€Storage Devices. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 50 |
| 160 | Human joint-inspired structural design for a bendable/foldable/stretchable/twistable battery: achieving multiple deformabilities. Energy and Environmental Science, 2021, 14, 3599-3608. | 15.6 | 49 |
| 161 | Few-layer bismuth selenide cathode for low-temperature quasi-solid-state aqueous zinc metal batteries. Nature Communications, 2022, 13, 752. | 5.8 | 49 |
| 162 | Conversionâ€Type Nonmetal Elemental Tellurium Anode with High Utilization for Mild/Alkaline Zinc Batteries. Advanced Materials, 2021, 33, e2105426. | 11.1 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Simultaneous optimization of surface chemistry and pore morphology of 3D graphene-sulfur cathode via multi-ion modulation. Journal of Power Sources, 2016, 321, 193-200. | 4.0 | 46 |
| 164 | Metalâ€Tellurium Batteries: A Rising Energy Storage System. Small Structures, 2020, 1, 2000005. | 6.9 | 46 |
| 165 | Sulfonated Graphene Aerogels Enable Safeâ€toâ€Use Flexible Perovskite Solar Modules. Advanced Energy Materials, 2022, 12, . | 10.2 | 46 |
| 166 | Liquidâ€Free Allâ€Solidâ€State Zinc Batteries and Encapsulationâ€Free Flexible Batteries Enabled by Inâ€...Situ Constructed Polymer Electrolyte. Angewandte Chemie, 2020, 132, 24044-24052. | 1.6 | 45 |
| 167 | Temperature-Dependent Lipid Extraction from Membranes by Boron Nitride Nanosheets. ACS Nano, 2018, 12, 2764-2772. | 7.3 | 44 |
| 168 | Categorizing wearable batteries: Unidirectional and omnidirectional deformable batteries. Matter, 2021, 4, 3146-3160. | 5.0 | 44 |
| 169 | Electrochemical Nitrate Production via Nitrogen Oxidation with Atomically Dispersed Fe on N-Doped Carbon Nanosheets. ACS Nano, 2022, 16, 655-663. | 7.3 | 44 |
| 170 | Robust reduced graphene oxide paper fabricated with a household non-stick frying pan: a large-area freestanding flexible substrate for supercapacitors. RSC Advances, 2015, 5, 33981-33989. | 1.7 | 43 |
| 171 | pH-responsive charge-reversal polymer-functionalized boron nitride nanospheres for intracellular doxorubicin delivery. International Journal of Nanomedicine, 2018, Volume 13, 641-652. | 3.3 | 43 |
| 172 | High-Energy and High-Power Nonaqueous Lithium-Ion Capacitors Based on Polypyrrole/Carbon Nanotube Composites as Pseudocapacitive Cathodes. ACS Applied Materials & Interfaces, 2019, 11, 15646-15655. | 4.0 | 43 |
| 173 | Toward Enhancing Wearability and Fashion of Wearable Supercapacitor with Modified Polyurethane Artificial Leather Electrolyte. Nano-Micro Letters, 2018, 10, 38. | 14.4 | 42 |
| 174 | A Highly Elastic and Reversibly Stretchable Allâ€Polymer Supercapacitor. Angewandte Chemie, 2019, 131, 15854-15858. | 1.6 | 42 |
| 175 | Flexible Dual-Mode Tactile Sensor Derived from Three-Dimensional Porous Carbon Architecture. ACS Applied Materials & Interfaces, 2017, 9, 22685-22693. | 4.0 | 41 |
| 176 | Toward Multifunctional and Wearable Smart Skins with Energyâ€Harvesting, Touchâ€Sensing, and Exteroceptionâ€Visualizing Capabilities by an Allâ€Polymer Design. Advanced Electronic Materials, 2019, 5, 1900553. | 2.6 | 41 |
| 177 | A reversible Zn-metal battery. Nature Nanotechnology, 2021, 16, 854-855. | 15.6 | 41 |
| 178 | Highly Thermally/Electrochemically Stable I<sup>â^'</sup>/I<sub>3</sub><sup>â^'</sup>Bonded Organic Salts with High I Content for Longâ€Life Liâ€“I<sub>2</sub>Batteries. Advanced Energy Materials, 2022, 12, . | 10.2 | 40 |
| 179 | Metalâ€Tuned Acetylene Linkages in Hydrogen Substituted Graphdiyne Boosting the Electrochemical Oxygen Reduction. Small, 2020, 16, e1907341. | 5.2 | 39 |
| 180 | Solvent-free fabrication of thermally conductive insulating epoxy composites with boron nitride nanoplatelets as fillers. Nanoscale Research Letters, 2014, 9, 643. | 3.1 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Facet-Controlling Agents Free Synthesis of Hematite Crystals with High-Index Planes: Excellent Photodegradation Performance and Mechanism Insight. ACS Applied Materials & Interfaces, 2016, 8, 142-151. | 4.0 | 37 |
| 182 | A Longâ€Life Batteryâ€Type Electrochromic Window with Remarkable Energy Storage Ability. Solar Rrl, 2020, 4, 1900425. | 3.1 | 37 |
| 183 | Highâ€Energy Aqueous Magnesium Hybrid Full Batteries Enabled by Carrierâ€Hosting Potential Compensation. Angewandte Chemie - International Edition, 2021, 60, 5443-5452. | 7.2 | 37 |
| 184 | Suppressing surface passivation of bimetallic phosphide by sulfur for long-life alkaline aqueous zinc batteries. Energy Storage Materials, 2020, 33, 230-238. | 9.5 | 36 |
| 185 | Integration designs toward newâ€generation wearable energy supplyâ€sensor systems for realâ€time health monitoring: A minireview. InformaÃ¬nÃ-MateriÃ¡ly, 2020, 2, 1109-1130. | 8.5 | 35 |
| 186 | In-situ grown porous protective layers with high binding strength for stable Zn anodes. Chemical Engineering Journal, 2022, 434, 134688. | 6.6 | 35 |
| 187 | Twoâ€Electron Redox Chemistry Enabled Highâ€Performance Iodideâ€Ion Conversion Battery. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 34 |
| 188 | Enhancement of thermal conductivity in water-based nanofluids employing TiO2/reduced graphene oxide composites. Journal of Materials Science, 2016, 51, 10104-10115. | 1.7 | 33 |
| 189 | Phase-transition tailored nanoporous zinc metal electrodes for rechargeable alkaline zinc-nickel oxide hydroxide and zinc-air batteries. Nature Communications, 2022, 13, . | 5.8 | 33 |
| 190 | Electrocatalytic Iodine Reduction Reaction Enabled by Aqueous Zincâ€Iodine Battery with Improved Power and Energy Densities. Angewandte Chemie, 2021, 133, 3835-3842. | 1.6 | 32 |
| 191 | Topâ€Down Fabrication of Stable Methylammonium Lead Halide Perovskite Nanocrystals by Employing a Mixture of Ligands as Coordinating Solvents. Angewandte Chemie, 2017, 129, 9699-9704. | 1.6 | 31 |
| 192 | Tunable Freeâ€Standing Ultrathin Porous Nickel Film for High Performance Flexible Nickelâ€“Metal Hydride Batteries. Advanced Energy Materials, 2018, 8, 1702467. | 10.2 | 31 |
| 193 | Rechargeable Aqueous Mnâ€Metal Battery Enabled by Inorganicâ€“Organic Interfaces. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 31 |
| 194 | Polyethyleneimine-functionalized boron nitride nanospheres as efficient carriers for enhancing the immunostimulatory effect of CpG oligodeoxynucleotides. International Journal of Nanomedicine, 2015, 10, 5343. | 3.3 | 30 |
| 195 | Boron Nitride Nanosheet Dispersion at High Concentrations. ACS Applied Materials & Interfaces, 2021, 13, 44751-44759. | 4.0 | 30 |
| 196 | Reconstructing Vanadium Oxide with Anisotropic Pathways for a Durable and Fast Aqueous K-Ion Battery. ACS Nano, 2021, 15, 17717-17728. | 7.3 | 30 |
| 197 | Folate-conjugated, mesoporous silica functionalized boron nitride nanospheres for targeted delivery of doxorubicin. Materials Science and Engineering C, 2019, 96, 552-560. | 3.8 | 29 |
| 198 | Initiating a wearable solid-state Mg hybrid ion full battery with high voltage, high capacity and ultra-long lifespan in air. Energy Storage Materials, 2020, 31, 451-458. | 9.5 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Spherical Boron Nitride Supported Goldâ€“Copper Catalysts for the Lowâ€Temperature Selective Oxidation of Ethanol. ChemCatChem, 2017, 9, 1363-1367. | 1.8 | 28 |
| 200 | A Wearable Supercapacitor Engaged with Gold Leaf Gilding Cloth Toward Enhanced Practicability. ACS Applied Materials & Interfaces, 2018, 10, 21297-21305. | 4.0 | 28 |
| 201 | Initiating a Roomâ€Temperature Rechargeable Aqueous Fluorideâ€Ion Battery with Long Lifespan through a Rational Buffering Phase Design. Advanced Energy Materials, 2021, 11, 2003714. | 10.2 | 28 |
| 202 | Tellurium: A High-Performance Cathode for Magnesium Ion Batteries Based on a Conversion Mechanism. ACS Nano, 2022, 16, 5349-5357. | 7.3 | 28 |
| 203 | A Longâ€Life Batteryâ€Type Electrochromic Window with Remarkable Energy Storage Ability. Solar Rrl, 2020, 4, 2070036. | 3.1 | 27 |
| 204 | Metal-Iodine and Metal-Bromine Batteries: A Review. Bulletin of the Chemical Society of Japan, 2021, 94, 2036-2042. | 2.0 | 27 |
| 205 | Crystallized lithium titanate nanosheets prepared via spark plasma sintering for ultra-high rate lithium ion batteries. Journal of Materials Chemistry A, 2019, 7, 455-460. | 5.2 | 26 |
| 206 | Highâ€Rate Aqueous Aluminumâ€Ion Batteries Enabled by Confined Iodine Conversion Chemistry. Small Methods, 2021, 5, e2100611. | 4.6 | 26 |
| 207 | LaB6 nanowires for supercapacitors. Materials Today Energy, 2018, 10, 28-33. | 2.5 | 25 |
| 208 | Stabilizing Interface pH by Nâ€Modified Graphdiyne for Dendriteâ€Free and Highâ€Rate Aqueous Znâ€Ion Batteries. Angewandte Chemie, 2022, 134, . | 1.6 | 24 |
| 209 | Mechanistic Study of Interfacial Modification for Stable Zn Anode Based on a Thin Separator. Small, 2022, 18, e2201045. | 5.2 | 24 |
| 210 | The magnetohydrodynamic effect enables a dendrite-free Zn anode in alkaline electrolytes. Journal of Materials Chemistry A, 2022, 10, 11971-11979. | 5.2 | 24 |
| 211 | Layer-by-Layer Assembly of Multifunctional Porous N-Doped Carbon Nanotube Hybrid Architectures for Flexible Conductors and Beyond. ACS Applied Materials & Interfaces, 2015, 7, 6716-6723. | 4.0 | 21 |
| 212 | A Building Brick Principle to Create Transparent Composite Films with Multicolor Emission and Selfâ€Healing Function. Small, 2018, 14, e1800315. | 5.2 | 21 |
| 213 | Effects of Anion Carriers on Capacitance and Selfâ€Discharge Behaviors of Zinc Ion Capacitors. Angewandte Chemie, 2021, 133, 1024-1034. | 1.6 | 21 |
| 214 | Vacancy Modulating Co<sub>3</sub>Sn<sub>2</sub>S<sub>2</sub> Topological Semimetal for Aqueous Zincâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, e202111826. | 7.2 | 21 |
| 215 | Highâ€Voltage Organic Cathodes for Zincâ€Ion Batteries through Electron Cloud and Solvation Structure Regulation. Angewandte Chemie, 2022, 134, . | 1.6 | 20 |
| 216 | Ionic Liquid-Softened Polymer Electrolyte for Anti-Drying Flexible Zinc Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 27287-27293. | 4.0 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Electrolyte/Structure-Dependent Cocktail Mediation Enabling High-Rate/Low-Plateau Metal Sulfide Anodes for Sodium Storage. Nano-Micro Letters, 2021, 13, 178. | 14.4 | 19 |
| 218 | BiOI Nanopaper As a High-Capacity, Long-Life and Insertion-Type Anode for a Flexible Quasi-Solid-State Zn-Ion Battery. ACS Applied Materials & Interfaces, 2022, 14, 25516-25523. | 4.0 | 19 |
| 219 | The electromagnetic property and microwave absorption of wormhole-like mesoporous carbons with different surface areas. Journal of Materials Science, 2016, 51, 9723-9731. | 1.7 | 18 |
| 220 | Cl<sup>â€“</sup>/SO<sub>3</sub><sup>2â€“</sup>-Codoped Poly(3,4-ethylenedioxythiophene) That Interpenetrates and Encapsulates Porous Fe<sub>2</sub>O<sub>3</sub> To Form Composite Nanoframeworks for Stable Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 30801-30809. | 4.0 | 18 |
| 221 | RBC membrane camouflaged boron nitride nanospheres for enhanced biocompatible performance. Colloids and Surfaces B: Biointerfaces, 2020, 190, 110964. | 2.5 | 17 |
| 222 | Low Infrared Emissivity and Strong Stealth of Ti-Based MXenes. Research, 2022, 2022, . | 2.8 | 17 |
| 223 | Weak morphology dependent valence band structure of boron nitride. Journal of Applied Physics, 2013, 114, . | 1.1 | 16 |
| 224 | Ultrasmall Fe<sub>2</sub>O<sub>3</sub> Nanoparticles Anchored on ThreeâEDimensional Hierarchical Porous GrapheneâElike Networks for High Rate Capability Supercapacitors. ChemElectroChem, 2016, 3, 1820-1826. | 1.7 | 15 |
| 225 | Electrospun Conjugated Polymer/Fullerene Hybrid Fibers: Photoactive Blends, Conductivity through Tunneling-AFM, Light Scattering, and Perspective for Their Use in Bulk-Heterojunction Organic Solar Cells. Journal of Physical Chemistry C, 2018, 122, 3058-3067. | 1.5 | 15 |
| 226 | Energy-dissipative dual-crosslinked hydrogels for dynamically super-tough sensors. Science China Materials, 2021, 64, 2764-2776. | 3.5 | 15 |
| 227 | Perspective on Micro-Supercapacitors. Frontiers in Chemistry, 2021, 9, 807500. | 1.8 | 14 |
| 228 | An Intrinsically SelfâEHealing NiCo||Zn Rechargeable Battery with a SelfâEHealable FerricâEIonâECrosslinking Sodium Polyacrylate Hydrogel Electrolyte. Angewandte Chemie, 2018, 130, 9958-9961. | 1.6 | 13 |
| 229 | HighâEEnergy Aqueous Magnesium Hybrid Full Batteries Enabled by CarrierâEHosting Potential Compensation. Angewandte Chemie, 2021, 133, 5503-5512. | 1.6 | 13 |
| 230 | Rechargeable quasi-solid-state aqueous hybrid Al3+/H+ battery with 10,000 ultralong cycle stability and smart switching capability. Nano Research, 2021, 14, 4154-4162. | 5.8 | 13 |
| 231 | Relieving hydrogen evolution and anodic corrosion of aqueous aluminum batteries with hybrid electrolytes. Journal of Materials Chemistry A, 2022, 10, 4739-4748. | 5.2 | 11 |
| 232 | Graphene stirrer with designed movements: Targeting on environmental remediation and supercapacitor applications. Green Energy and Environment, 2018, 3, 86-96. | 4.7 | 10 |
| 233 | In situ doping and synthesis of two-dimensional nanomaterials using mechano-chemistry. Nanoscale Horizons, 2019, 4, 642-646. | 4.1 | 10 |
| 234 | Stable bismuth-antimony alloy cathode with a conversion-dissolution/deposition mechanism for high-performance zinc batteries. Materials Today, 2021, 51, 87-95. | 8.3 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | A new strategy to engineer polymer bulk heterojunction solar cells with thick active layers via self-assembly of the tertiary columnar phase. Nanoscale, 2017, 9, 11511-11522. | 2.8 | 9 |
| 236 | Vacancy Modulating Co<sub>3</sub>Sn<sub>2</sub>S<sub>2</sub> Topological Semimetal for Aqueous Zincâ€Ion Batteries. Angewandte Chemie, 2022, 134, . | 1.6 | 9 |
| 237 | Reversible Intercalation of Alâ€Ions in Poly(3,4â€Ethylenedioxythiophene):Poly(4â€Styrenesulfonate) Electrode for Aqueous Electrochemical Capacitors with High Energy Density. Energy Technology, 2021, 9, 2001036. | 1.8 | 7 |
| 238 | Bifunctional Catalysts for Metalâ€Air Batteries. Batteries and Supercaps, 2019, 2, 270-271. | 2.4 | 6 |
| 239 | Carbonaceous and Polymer Materials for Liâ€“S Batteries with an Emphasis on Flexible Devices. Advanced Energy and Sustainability Research, 2021, 2, 2000096. | 2.8 | 6 |
| 240 | Battery-Sensor Hybrid: A New Gas Sensing Paradigm with Complete Energy Self-Sufficiency. ACS Applied Materials & Interfaces, 2021, 13, 46507-46517. | 4.0 | 6 |
| 241 | Flexible, Electrically Conductive, Nanostructured, Asymmetric Aerogel Films for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2021, 13, 59174-59184. | 4.0 | 5 |
| 242 | Multiâ€Functional Hydrogels for Flexible Zincâ€Based Batteries Working under Extreme Conditions (Adv.) Tj ETQq0 0 0 rgBT /Overlock 1 | 10.2 | 4 |
| 243 | Twoâ€Electron Redox Chemistry Enabled Highâ€Performance Iodideâ€Ion Conversion Battery. Angewandte Chemie, 2022, 134, . | 1.6 | 4 |
| 244 | Incorporation of Platinum and Gold Partially Reduced Graphene Oxide into Polymer Electrolyte Membrane Fuel Cells for Increased Output Power and Carbon Monoxide Tolerance. MRS Advances, 2016, 1, 1477-1486. | 0.5 | 3 |
| 245 | Energy and Optoelectronic Related Nanomaterials and Applications. Small, 2017, 13, 1703395. | 5.2 | 1 |
| 246 | Rechargeable Aqueous Mnâ€Metal Battery Enabled by Inorganicâ€“Organic Interfaces. Angewandte Chemie, 2022, 134, . | 1.6 | 0 |