

Yuqian Li

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Generic Synthesis of Carbon Nanotube Branches on Metal Oxide Arrays Exhibiting Stable High-Rate and Long-Cycle Sodium-Ion Storage. <i>Small</i> , 2016, 12, 3048-3058. | 5.2 | 440 |
| 2 | Directional Construction of Vertical Nitrogen-Doped 1T ₂ H MoSe ₂ /Graphene Shell/Core Nanoflake Arrays for Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2017, 29, 1700748. | 11.1 | 404 |
| 3 | Popcorn Inspired Porous Macrocellular Carbon: Rapid Puffing Fabrication from Rice and Its Applications in Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1701110. | 10.2 | 361 |
| 4 | Confining Sulfur in Integrated Composite Scaffold with Highly Porous Carbon Fibers/Vanadium Nitride Arrays for High-Performance Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1706391. | 7.8 | 350 |
| 5 | An Inorganic-Rich Solid Electrolyte Interphase for Advanced Lithium-Metal Batteries in Carbonate Electrolytes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3661-3671. | 7.2 | 317 |
| 6 | Deep eutectic solvents (DESs)-derived advanced functional materials for energy and environmental applications: challenges, opportunities, and future vision. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8209-8229. | 5.2 | 274 |
| 7 | Phase Modulation of (1T ₂ H)-MoSe ₂ /TiC Shell/Core Arrays via Nitrogen Doping for Highly Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2018, 30, e1802223. | 11.1 | 244 |
| 8 | Exploring Advanced Sandwiched Arrays by Vertical Graphene and N-Doped Carbon for Enhanced Sodium Storage. <i>Advanced Energy Materials</i> , 2017, 7, 1601804. | 10.2 | 243 |
| 9 | 3D TiC/C Core/Shell Nanowire Skeleton for Dendrite-Free and Long-Life Lithium Metal Anode. <i>Advanced Energy Materials</i> , 2018, 8, 1702322. | 10.2 | 237 |
| 10 | Interface engineering of sulfide electrolytes for all-solid-state lithium batteries. <i>Nano Energy</i> , 2018, 53, 958-966. | 8.2 | 227 |
| 11 | Robust Slippery Coating with Superior Corrosion Resistance and Anti-Icing Performance for AZ31B Mg Alloy Protection. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11247-11257. | 4.0 | 225 |
| 12 | Multiscale Graphene-Based Materials for Applications in Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1803342. | 10.2 | 215 |
| 13 | Tubular TiC fibre nanostructures as supercapacitor electrode materials with stable cycling life and wide-temperature performance. <i>Energy and Environmental Science</i> , 2015, 8, 1559-1568. | 15.6 | 210 |
| 14 | Electrode Design for Lithium-Sulfur Batteries: Problems and Solutions. <i>Advanced Functional Materials</i> , 2020, 30, 1910375. | 7.8 | 206 |
| 15 | Synergistic Doping and Intercalation: Realizing Deep Phase Modulation on MoS ₂ Arrays for High-Efficiency Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16289-16296. | 7.2 | 201 |
| 16 | High Interfacial-Energy Interphase Promoting Safe Lithium Metal Batteries. <i>Journal of the American Chemical Society</i> , 2020, 142, 2438-2447. | 6.6 | 195 |
| 17 | Interface issues of lithium metal anode for high-energy batteries: Challenges, strategies, and perspectives. <i>Informa-Materially</i> , 2021, 3, 155-174. | 8.5 | 195 |
| 18 | Defect Promoted Capacity and Durability of N-MnO ₂ Branch Arrays via Low-Temperature NH ₃ Treatment for Advanced Aqueous Zinc Ion Batteries. <i>Small</i> , 2019, 15, e1905452. | 5.2 | 171 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Implanting Niobium Carbide into Trichoderma Spore Carbon: a New Advanced Host for Sulfur Cathodes. <i>Advanced Materials</i> , 2019, 31, e1900009. | 11.1 | 168 |
| 20 | Revisiting Scientific Issues for Industrial Applications of Lithium–Sulfur Batteries. <i>Energy and Environmental Materials</i> , 2018, 1, 196-208. | 7.3 | 158 |
| 21 | Facile fabrication of integrated three-dimensional C-MoSe ₂ /reduced graphene oxide composite with enhanced performance for sodium storage. <i>Nano Research</i> , 2016, 9, 1618-1629. | 5.8 | 152 |
| 22 | Perovskite solar cell powered electrochromic batteries for smart windows. <i>Materials Horizons</i> , 2016, 3, 588-595. | 6.4 | 148 |
| 23 | Cathode-Supported All-Solid-State Lithium–Sulfur Batteries with High Cell-Level Energy Density. <i>ACS Energy Letters</i> , 2019, 4, 1073-1079. | 8.8 | 148 |
| 24 | Enhancing Ultrafast Lithium Ion Storage of Li ₄ Ti ₅ O ₁₂ by Tailored TiC/C Core/Shell Skeleton Plus Nitrogen Doping. <i>Advanced Functional Materials</i> , 2018, 28, 1802756. | 7.8 | 145 |
| 25 | Novel Metal@Carbon Spheres Core–Shell Arrays by Controlled Self-Assembly of Carbon Nanospheres: A Stable and Flexible Supercapacitor Electrode. <i>Advanced Energy Materials</i> , 2015, 5, 1401709. | 10.2 | 139 |
| 26 | Porous Carbon Hosts for Lithium–Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2019, 25, 3710-3725. | 1.7 | 136 |
| 27 | In Situ Solid Electrolyte Interphase from Spray Quenching on Molten Li: A New Way to Construct High-Performance Lithium–Metal Anodes. <i>Advanced Materials</i> , 2019, 31, e1806470. | 11.1 | 133 |
| 28 | Spore Carbon from <i>Aspergillus Oryzae</i> for Advanced Electrochemical Energy Storage. <i>Advanced Materials</i> , 2018, 30, e1805165. | 11.1 | 122 |
| 29 | Boosting sodium ion storage by anchoring MoO ₂ on vertical graphene arrays. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15546-15552. | 5.2 | 118 |
| 30 | A Newly Designed Composite Gel Polymer Electrolyte Based on Poly(Vinylidene Terephthalate) / Overlock 10 Tf 50 307 Td (Fluoride) - A European Journal, 2017, 23, 15203-15209. | 1.7 | 117 |
| 31 | Introducing Oxygen Defects into Phosphate Ions Intercalated Manganese Dioxide/Vertical Multilayer Graphene Arrays to Boost Flexible Zinc Ion Storage. <i>Small Methods</i> , 2020, 4, 1900828. | 4.6 | 115 |
| 32 | Exploring Self-Healing Liquid Na–K Alloy for Dendrite-Free Electrochemical Energy Storage. <i>Advanced Materials</i> , 2018, 30, e1804011. | 11.1 | 112 |
| 33 | Hierarchical porous Ti ₂ Nb ₁₀ O ₂₉ nanospheres as superior anode materials for lithium ion storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21134-21139. | 5.2 | 111 |
| 34 | Straw–Brick–Like Carbon Fiber Cloth/Lithium Composite Electrode as an Advanced Lithium Metal Anode. <i>Small Methods</i> , 2018, 2, 1800035. | 4.6 | 106 |
| 35 | Nitrogen-Doped Carbon Embedded MoS ₂ Microspheres as Advanced Anodes for Lithium- and Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2016, 22, 11617-11623. | 1.7 | 104 |
| 36 | Rationally Designed Silicon Nanostructures as Anode Material for Lithium-Ion Batteries. <i>Advanced Engineering Materials</i> , 2018, 20, 1700591. | 1.6 | 97 |

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|----|---|------|-----------|
| 37 | Original growth mechanism for ultra-stable dendrite-free potassium metal electrode. <i>Nano Energy</i> , 2019, 62, 367-375. | 8.2 | 93 |
| 38 | Boosting fast energy storage by synergistic engineering of carbon and deficiency. <i>Nature Communications</i> , 2020, 11, 132. | 5.8 | 92 |
| 39 | Bacterium, Fungus, and Virus Microorganisms for Energy Storage and Conversion. <i>Small Methods</i> , 2019, 3, 1900596. | 4.6 | 91 |
| 40 | Single-Crystalline, Metallic TiC Nanowires for Highly Robust and Wide-Temperature Electrochemical Energy Storage. <i>Small</i> , 2017, 13, 1602742. | 5.2 | 89 |
| 41 | All-solid-state electrochromic devices based on WO ₃ NiO films: material developments and future applications. <i>Science China Chemistry</i> , 2017, 60, 3-12. | 4.2 | 88 |
| 42 | Coupled Biphasic (1T-Ta ₂ H) ₂ MoSe ₂ on Mold Spore Carbon for Advanced Hydrogen Evolution Reaction. <i>Small</i> , 2019, 15, e1901796. | 5.2 | 87 |
| 43 | Coupling a Sponge Metal Fibers Skeleton with In Situ Surface Engineering to Achieve Advanced Electrodes for Flexible Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2020, 32, e2003657. | 11.1 | 86 |
| 44 | A CNT cocoon on sodium manganate nanotubes forming a core/branch cathode coupled with a helical carbon nanofibre anode for enhanced sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11207-11213. | 5.2 | 85 |
| 45 | SnO ₂ Nanoflake Arrays Coated with Polypyrrole on a Carbon Cloth as Flexible Anodes for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24198-24204. | 4.0 | 81 |
| 46 | High-Index-Faceted Ni ₃ S ₂ Branch Arrays as Bifunctional Electrocatalysts for Efficient Water Splitting. <i>Nano-Micro Letters</i> , 2019, 11, 12. | 14.4 | 81 |
| 47 | Multifunctional Hyphae Carbon Powering Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2022, 34, e2107415. | 11.1 | 81 |
| 48 | Integration of Energy Harvesting and Electrochemical Storage Devices. <i>Advanced Materials Technologies</i> , 2017, 2, 1700182. | 3.0 | 78 |
| 49 | High-energy cathode materials for Li-ion batteries: A review of recent developments. <i>Science China Technological Sciences</i> , 2015, 58, 1809-1828. | 2.0 | 74 |
| 50 | Molybdenum Selenide Electrocatalysts for Electrochemical Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2019, 6, 3530-3548. | 1.7 | 73 |
| 51 | Hybrid vertical graphene/lithium titanate-CNTs arrays for lithium ion storage with extraordinary performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8916-8921. | 5.2 | 71 |
| 52 | Ordered lithiophilic sites to regulate Li plating/stripping behavior for superior lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21794-21801. | 5.2 | 71 |
| 53 | A synergistic vertical graphene skeleton and C shell to construct high-performance TiNb ₂ O ₇ -based core/shell arrays. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20195-20204. | 5.2 | 70 |
| 54 | Nitrogen-Doped Sponge Ni Fibers as Highly Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>Nano-Micro Letters</i> , 2019, 11, 21. | 14.4 | 70 |

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|----|--|------|-----------|
| 55 | Construction of All-Solid-State Batteries based on a Sulfur-Graphene Composite and $\text{Li}_{9.54}\text{Si}_{1.74}\text{P}_{1.44}\text{S}_{11.7}\text{Cl}_{0.3}$ Solid Electrolyte. <i>Chemistry - A European Journal</i> , 2017, 23, 13950-13956. | 1.7 | 68 |
| 56 | Monolayer titanium carbide hollow sphere arrays formed via an atomic layer deposition assisted method and their excellent high-temperature supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18717-18722. | 5.2 | 66 |
| 57 | Hierarchical MoS_2 /Carbon Composite Microspheres as Advanced Anodes for Lithium/Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 11220-11226. | 1.7 | 65 |
| 58 | Sulfur@hollow polypyrrole sphere nanocomposites for rechargeable Li-S batteries. <i>RSC Advances</i> , 2013, 3, 24914. | 1.7 | 64 |
| 59 | Rational construction of a metal core for smart combination with $\text{Li}_4\text{Ti}_5\text{O}_{12}$ as integrated arrays with superior high-rate Li-ion storage performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1394-1399. | 5.2 | 64 |
| 60 | <i>In situ</i> formation of a Li_3N -rich interface between lithium and argyrodite solid electrolyte enabled by nitrogen doping. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13531-13539. | 5.2 | 62 |
| 61 | Anchoring Ni_2P Sheets on NiCo_2O_4 Nanocone Arrays as Optimized Bifunctional Electrocatalyst for Water Splitting. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700481. | 1.9 | 59 |
| 62 | A Smart Superhydrophobic Coating on AZ31B Magnesium Alloy with Self-Healing Effect. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500694. | 1.9 | 57 |
| 63 | Metal-Embedded Porous Graphitic Carbon Fibers Fabricated from Bamboo Sticks as a Novel Cathode for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13598-13605. | 4.0 | 57 |
| 64 | Multiscale Porous Carbon Nanomaterials for Applications in Advanced Rechargeable Batteries. <i>Batteries and Supercaps</i> , 2019, 2, 9-36. | 2.4 | 56 |
| 65 | A Versatile $\text{Li}_{6.5}\text{In}_{0.25}\text{P}_{0.75}\text{S}_5\text{I}$ Sulfide Electrolyte Triggered by Ultimate Energy Mechanical Alloying for All-Solid-State Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2101521. | 10.2 | 55 |
| 66 | Efficient oxygen reduction reaction using mesoporous Ni-doped Co_3O_4 nanowire array electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18372-18379. | 5.2 | 54 |
| 67 | Recent Developments of All-Solid-State Lithium Secondary Batteries with Sulfide Inorganic Electrolytes. <i>Chemistry - A European Journal</i> , 2018, 24, 6007-6018. | 1.7 | 52 |
| 68 | A gel polymer electrolyte based on PVDF-HFP modified double polymer matrices via ultraviolet polymerization for lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 558, 145-154. | 5.0 | 52 |
| 69 | Boosting High-Rate Sodium Storage Performance of N-Doped Carbon-Encapsulated $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ Nanoparticles Anchoring on Carbon Cloth. <i>Small</i> , 2019, 15, e1902432. | 5.2 | 51 |
| 70 | Improved Ionic Conductivity and Li Dendrite Suppression Capability toward $\text{Li}_7\text{P}_3\text{S}_{11}$ -Based Solid Electrolytes Triggered by Nb and O Cosubstitution. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 54662-54670. | 4.0 | 50 |
| 71 | Ti^{3+} Self-Doped $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Anchored on N-Doped Carbon Nanofiber Arrays for Ultrafast Lithium-Ion Storage. <i>Small</i> , 2019, 15, e1905296. | 5.2 | 49 |
| 72 | A Powerful One-Step Puffing Carbonization Method for Construction of Versatile Carbon Composites with High-Efficiency Energy Storage. <i>Advanced Materials</i> , 2021, 33, e2102796. | 11.1 | 48 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 73 | Polypyrrole-Coated Sodium Manganate Hollow Microspheres as a Superior Cathode for Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15630-15637. | 4.0 | 45 |
| 74 | Construction of Nitrogen-Doped Carbon-Coated MoSe_2 Microspheres with Enhanced Performance for Lithium Storage. <i>Chemistry - A European Journal</i> , 2017, 23, 12924-12929. | 1.7 | 43 |
| 75 | A Facile Way to Construct Stable and Ionic Conductive Lithium Sulfide Nanoparticles Composed Solid Electrolyte Interphase on Li Metal Anode. <i>Advanced Functional Materials</i> , 2021, 31, 2006380. | 7.8 | 43 |
| 76 | Enhancement of the advanced Na storage performance of $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ in a symmetric sodium full cell via a dual strategy design. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10231-10238. | 5.2 | 42 |
| 77 | Pine-Needle-Like Cu-Co Skeleton Compositing with $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Forming Core-Branch Arrays for High-Rate Lithium Ion Storage. <i>Small</i> , 2018, 14, e1704339. | 5.2 | 40 |
| 78 | Non-Newtonian Fluid State Na Alloy for a Stretchable Energy Storage Device. <i>Small Methods</i> , 2019, 3, 1900383. | 4.6 | 39 |
| 79 | Synergy of Ion Doping and Spiral Array Architecture on $\text{Ti}_2\text{Nb}_{10}\text{O}_{29}$: A New Way to Achieve High-Power Electrodes. <i>Advanced Functional Materials</i> , 2020, 30, 2002665. | 7.8 | 37 |
| 80 | Hydrothermal synthesized porous $\text{Co}(\text{OH})_2$ nanoflake film for supercapacitor application. <i>Science Bulletin</i> , 2012, 57, 4215-4219. | 1.7 | 34 |
| 81 | A NiCo_2O_4 Shell on a Hollow Ni Nanorod Array Core for Water Splitting with Enhanced Electrocatalytic Performance. <i>ChemNanoMat</i> , 2018, 4, 124-131. | 1.5 | 34 |
| 82 | Construction of $\text{TiMoSe}_2/\text{TiC@C}$ Branch-Core Arrays as Advanced Anodes for Enhanced Sodium Ion Storage. <i>ChemSusChem</i> , 2020, 13, 1575-1581. | 3.6 | 34 |
| 83 | Growth of a porous NiCoO_2 nanowire network for transparent-to-brownish grey electrochromic smart windows with wide-band optical modulation. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14378-14387. | 2.7 | 34 |
| 84 | Ultrafast Synthesis of I-Rich Lithium Argyrodite Glass-Ceramic Electrolyte with High Ionic Conductivity. <i>Advanced Materials</i> , 2022, 34, e2107346. | 11.1 | 34 |
| 85 | Ionic Liquid-Impregnated ZIF-8/Polypropylene Solid-like Electrolyte for Dendrite-free Lithium-Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6859-6868. | 4.0 | 31 |
| 86 | Recent progress on the phase modulation of molybdenum disulfide/diselenide and their applications in electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1418-1428. | 5.2 | 30 |
| 87 | An Inorganic-Rich Solid Electrolyte Interphase for Advanced Lithium-Metal Batteries in Carbonate Electrolytes. <i>Angewandte Chemie</i> , 2021, 133, 3705-3715. | 1.6 | 29 |
| 88 | Synthesis of reduced graphene oxide by an ionothermal method and electrochemical performance. <i>RSC Advances</i> , 2013, 3, 11807. | 1.7 | 28 |
| 89 | Mechanical Properties and in Vitro and in Vivo Biocompatibility of a-C/a-C:Ti Nanomultilayer Films on Ti6Al4V Alloy as Medical Implants. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15933-15942. | 4.0 | 28 |
| 90 | Anchoring SnS_2 on TiC/C Backbone to Promote Sodium Ion Storage by Phosphate Ion Doping. <i>Small</i> , 2020, 16, e2004072. | 5.2 | 28 |

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|-----|---|-----|-----------|
| 91 | An intercalation compound for high-safe K metal batteries. <i>Energy Storage Materials</i> , 2021, 41, 606-613. | 9.5 | 28 |
| 92 | Microstructure and corrosion behavior of Cr and Crâ€‘P alloy coatings electrodeposited from a Cr(scp) deep eutectic solvent. <i>RSC Advances</i> , 2015, 5, 71268-71277. | 1.7 | 27 |
| 93 | High Performance Single-Crystal Ni-Rich Cathode Modification via Crystalline LLTO Nanocoating for All-Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 726-735. | 4.0 | 27 |
| 94 | Facile and scalable synthesis of nanosized coreâ€‘shell $\text{Li}_2\text{S}@C$ composite for high-performance lithiumâ€‘sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16653-16660. | 5.2 | 26 |
| 95 | Verticalâ€‘Aligned $\text{Li}_2\text{S}@C$ Graphene Encapsulated within a Carbon Shell as a Freeâ€‘Standing Cathode for Lithiumâ€‘Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2017, 23, 11169-11174. | 1.7 | 26 |
| 96 | In vitro and in vivo comparisons of the porous Ti6Al4V alloys fabricated by the selective laser melting technique and a new sintering technique. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 91, 149-158. | 1.5 | 25 |
| 97 | Porous Polyamide Skeleton-Reinforced Solid-State Electrolyte: Enhanced Flexibility, Safety, and Electrochemical Performance. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 11018-11025. | 4.0 | 25 |
| 98 | Robust $\text{Li}_6\text{PS}_5\text{I}$ Interlayer to Stabilize the Tailored Electrolyte $\text{Li}_{9.95}\text{SnP}_2\text{S}_{11.95}\text{F}_{0.05}/\text{Li}$ Metal Interface. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30739-30745. | 4.0 | 24 |
| 99 | In-situ generated $\text{Li}_3\text{N}/\text{Li-Al}$ alloy in reduced graphene oxide framework optimizing ultra-thin lithium metal electrode for solid-state batteries. <i>Energy Storage Materials</i> , 2022, 49, 546-554. | 9.5 | 24 |
| 100 | Heterovalent Cation Substitution to Enhance the Ionic Conductivity of Halide Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47610-47618. | 4.0 | 23 |
| 101 | Carbon fiber-incorporated sulfur/carbon ternary cathode for lithiumâ€‘sulfur batteries with enhanced performance. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1203-1210. | 1.2 | 22 |
| 102 | Impacts of surface chemistry of functional carbon nanodots on the plant growth. <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111220. | 2.9 | 22 |
| 103 | Potassium Hexafluorophosphate Additive Enables Stable Lithiumâ€‘Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56017-56026. | 4.0 | 22 |
| 104 | Sodium-storage behavior of electron-rich element-doped amorphous carbon. <i>Applied Physics Reviews</i> , 2021, 8, . | 5.5 | 22 |
| 105 | Performance Enhancement of a Sulfur/Carbon Cathode by Polydopamine as an Efficient Shell for Highâ€‘Performance Lithiumâ€‘Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2017, 23, 10610-10615. | 1.7 | 21 |
| 106 | Enhanced bioaccumulation efficiency and tolerance for Cd (â€‘) in <i>Arabidopsis thaliana</i> by amphoteric nitrogen-doped carbon dots. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110108. | 2.9 | 21 |
| 107 | Exploring the Stability Effect of the Co-Substituted $\text{P}_2\text{-Na}_{0.67}[\text{Mn}_{0.67}\text{Ni}_{0.33}]\text{O}_2$ Cathode for Liquid- and Solid-State Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41477-41484. | 4.0 | 21 |
| 108 | Ion competition and limiting dendrite growth models of hybrid-ion symmetric cell. <i>Energy Storage Materials</i> , 2021, 42, 268-276. | 9.5 | 20 |

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|-----|--|------|-----------|
| 109 | LiBrâ€“LiFâ€“Rich Solidâ€“Electrolyte Interface Layer on Lithiophilic 3D Framework for Enhanced Lithium Metal Anode. <i>Small Structures</i> , 2022, 3, . | 6.9 | 20 |
| 110 | Synthesis and characterization of graphite nanofibers deposited on nickel foams. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 5325-5329. | 1.3 | 19 |
| 111 | Bioinspired large-scale production of multidimensional high-rate anodes for both liquid & solid-state lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22958-22966. | 5.2 | 19 |
| 112 | Singleâ€“Crystalâ€“Layered Niâ€“Rich Oxide Modified by Phosphate Coating Boosting Interfacial Stability of Li₁₀SnP₂S₁₂-Based Allâ€“Solidâ€“State Li Batteries. <i>Small</i> , 2021, 17, e2103830. | 5.2 | 19 |
| 113 | Enhanced Liâ€“Storage of Ni₃S₂ Nanowire Arrays with Nâ€“Doped Carbon Coating Synthesized by Oneâ€“Step CVD Process and Investigated Via Ex Situ TEM. <i>Small</i> , 2019, 15, e1904433. | 5.2 | 18 |
| 114 | Porous Composite Gel Polymer Electrolyte with Interfacial Transport Pathways for Flexible Quasi Solid Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23743-23750. | 4.0 | 18 |
| 115 | Fluorinated Interface Layer with Embedded Zinc Nanoparticles for Stable Lithium-Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17690-17698. | 4.0 | 17 |
| 116 | Highly Efficient Bifunctional Catalyst of NiCo₂O₄ @NiO@Ni Core/Shell Nanocone Array for Stable Overall Water Splitting. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1700228. | 1.2 | 16 |
| 117 | Synergistic Doping and Intercalation: Realizing Deep Phase Modulation on MoS ₂ Arrays for Highâ€“Efficiency Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2019, 131, 16435-16442. | 1.6 | 16 |
| 118 | N-Doped NiO Nanosheet Arrays as Efficient Electrocatalysts for Hydrogen Evolution Reaction. <i>Journal of Electronic Materials</i> , 2021, 50, 5072. | 1.0 | 15 |
| 119 | The Effect of Stress Relaxation on the Microstructure and Hardness Evolution of Pure Amorphousâ€“Carbon and C/Ti Multilayer Films. <i>Advanced Engineering Materials</i> , 2010, 12, 920-925. | 1.6 | 14 |
| 120 | Bi-containing Electrolyte Enables Robust and Li Ion Conductive Solid Electrolyte Interphase for Advanced Lithium Metal Anodes. <i>Frontiers in Chemistry</i> , 2020, 7, 952. | 1.8 | 14 |
| 121 | Formation and <i>In Vitro</i> Evaluation of a Deep Eutectic Solvent Conversion Film on Biodegradable Magnesium Alloy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33315-33324. | 4.0 | 13 |
| 122 | Selfâ€“Healing Properties of Alkali Metals under â€“Highâ€“Energy Conditionsâ€“in Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2100470. | 10.2 | 13 |
| 123 | A Novel Ethanol-Mediated Synthesis of Superionic Halide Electrolytes for High-Voltage All-Solid-State Lithiumâ€“Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29844-29855. | 4.0 | 13 |
| 124 | In vitro and in vivo investigations of a-C/a-C:Ti nanomultilayer coated Ti6Al4V alloy as artificial femoral head. <i>Materials Science and Engineering C</i> , 2019, 99, 816-826. | 3.8 | 10 |
| 125 | High Capacity and Superior Rate Performances Coexisting in Carbon-Based Sodium-Ion Battery Anode. <i>Research</i> , 2019, 2019, 6930294. | 2.8 | 9 |
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