

Ling Huang

List of Publications by Year in descending order

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109
papers

5,000
citations

71102

41
h-index

106344

65
g-index

109
all docs

109
docs citations

109
times ranked

5550
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | A Robust Ion-Conductive Biopolymer as a Binder for Si Anodes of Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2015, 25, 3599-3605. | 14.9 | 329 |
| 2 | Water Soluble Binder, an Electrochemical Performance Booster for Electrode Materials with High Energy Density. <i>Advanced Energy Materials</i> , 2017, 7, 1701185. | 19.5 | 248 |
| 3 | Synthesis of single crystalline hexagonal nanobricks of $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ with high percentage of exposed {010} active facets as high rate performance cathode material for lithium-ion battery. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3860. | 10.3 | 195 |
| 4 | Structure Design and Performance Tuning of Nanomaterials for Electrochemical Energy Conversion and Storage. <i>Accounts of Chemical Research</i> , 2016, 49, 2569-2577. | 15.6 | 131 |
| 5 | Graphitized porous carbon materials with high sulfur loading for lithium-sulfur batteries. <i>Nano Energy</i> , 2017, 32, 503-510. | 16.0 | 118 |
| 6 | XPS and ToF-SIMS study of Sn-Co alloy thin films as anode for lithium ion battery. <i>Journal of Power Sources</i> , 2010, 195, 8251-8257. | 7.8 | 111 |
| 7 | Layered/spinel heterostructured Li-rich materials synthesized by a one-step solvothermal strategy with enhanced electrochemical performance for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 257-263. | 10.3 | 111 |
| 8 | Ultralow-strain Zn-Substituted Layered Oxide Cathode with Suppressed $\text{P}2 \rightarrow \text{O}2$ Transition for Stable Sodium Ion Storage. <i>Advanced Functional Materials</i> , 2020, 30, 1910327. | 14.9 | 110 |
| 9 | Cu_{2+} Dual-Doped Layer-Tunnel Hybrid $\text{Na}_{0.6}\text{Mn}_1\text{Cu}_x\text{O}_2$ as a Cathode of Sodium-Ion Battery with Enhanced Structure Stability, Electrochemical Property, and Air Stability. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10147-10156. | 8.0 | 98 |
| 10 | Facile Synthesis of The Li-Rich Layered Oxide $\text{Li}_{1.23}\text{Ni}_{0.09}\text{Co}_{0.12}\text{Mn}_{0.56}\text{O}_2$ with Superior Lithium Storage Performance and New Insights into Structural Transformation of the Layered Oxide Material during Charge-Discharge Cycle: In Situ XRD Characterization. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5516-5524. | 8.0 | 96 |
| 11 | Facile Synthesis of Hierarchical Micro/Nanostructured MnO Material and Its Excellent Lithium Storage Property and High Performance as Anode in a $\text{MnO}/\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ Lithium Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6316-6323. | 8.0 | 91 |
| 12 | XPS and ToF-SIMS Study of Electrode Processes on Sn-Ni Alloy Anodes for Li-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7012-7018. | 3.1 | 89 |
| 13 | A special enabler for boosting cyclic life and rate capability of $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$: Green and simple additive. <i>Nano Energy</i> , 2019, 65, 104084. | 16.0 | 88 |
| 14 | Suppressing the voltage-fading of layered lithium-rich cathode materials via an aqueous binder for Li-ion batteries. <i>Chemical Communications</i> , 2016, 52, 4683-4686. | 4.1 | 85 |
| 15 | Synergetic Effect of Ru and NiO in the Electrocatalytic Decomposition of Li_2CO_3 to Enhance the Performance of a $\text{Li-CO}_2/\text{O}_2$ Battery. <i>ACS Catalysis</i> , 2020, 10, 1640-1651. | 11.2 | 85 |
| 16 | Engineering the interface between LiCoO_2 and $\text{Li}_{10}\text{GeP}_2\text{S}_{12}$ solid electrolytes with an ultrathin $\text{Li}_2\text{CoTi}_3\text{O}_8$ interlayer to boost the performance of all-solid-state batteries. <i>Energy and Environmental Science</i> , 2021, 14, 437-450. | 30.8 | 82 |
| 17 | Studies of the Interfacial Properties of an Electroplated Sn Thin Film Electrode/Electrolyte Using in Situ MFTIRS and EQCM. <i>Langmuir</i> , 2007, 23, 13174-13180. | 3.5 | 79 |
| 18 | Layered/Spinel Heterostructured and Hierarchical Micro/Nanostructured Li-Rich Cathode Materials with Enhanced Electrochemical Properties for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21065-21070. | 8.0 | 79 |

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|----|--|------|-----------|
| 19 | Origin of Structural Evolution in Capacity Degradation for Overcharged NMC622 via Operando Coupled Investigation. ACS Applied Materials & Interfaces, 2017, 9, 24731-24742. | 8.0 | 78 |
| 20 | Synthesis and Operando Sodiation Mechanistic Study of Nitrogen-Doped Porous Carbon Coated Bimetallic Sulfide Hollow Nanocubes as Advanced Sodium Ion Battery Anode. Advanced Energy Materials, 2019, 9, 1902312. | 19.5 | 74 |
| 21 | Tuning Electrochemical Properties of Li-Rich Layered Oxide Cathodes by Adjusting Co/Ni Ratios and Mechanism Investigation Using in situ X-ray Diffraction and Online Continuous Flow Differential Electrochemical Mass Spectrometry. ACS Applied Materials & Interfaces, 2018, 10, 12666-12677. | 8.0 | 72 |
| 22 | Three-dimensional nanoarchitecture of Sn-Sb-Co alloy as an anode of lithium-ion batteries with excellent lithium storage performance. Journal of Materials Chemistry, 2012, 22, 17511. | 6.7 | 70 |
| 23 | Effect of synthetic routes on the rate performance of Li-rich layered $\text{Li}_{1.2}\text{Mn}_{0.56}\text{Ni}_{0.12}\text{Co}_{0.12}\text{O}_2$. Journal of Materials Chemistry A, 2015, 3, 5197-5203. | 10.3 | 65 |
| 24 | <i>In Situ</i> Multitechnical Investigation into Capacity Fading of High-Voltage $\text{LiNi}_{0.5}\text{Co}_{0.2}\text{Mn}_{0.3}\text{O}_2$. ACS Applied Materials & Interfaces, 2016, 8, 35323-35335. | 8.0 | 63 |
| 25 | New Insights into the Structure Changes and Interface Properties of Li_3VO_4 Anode for Lithium-Ion Batteries during the Initial Cycle by in-Situ Techniques. ACS Applied Materials & Interfaces, 2016, 8, 23739-23745. | 8.0 | 61 |
| 26 | A Natural Biopolymer Film as a Robust Protective Layer to Effectively Stabilize Lithium-Metal Anodes. Small, 2018, 14, e1801054. | 10.0 | 61 |
| 27 | Entropy and crystal-facet modulation of P2-type layered cathodes for long-lasting sodium-based batteries. Nature Communications, 2022, 13, . | 12.8 | 61 |
| 28 | Mn-Based Cathode with Synergetic Layered-Tunnel Hybrid Structures and Their Enhanced Electrochemical Performance in Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 21267-21275. | 8.0 | 60 |
| 29 | Kinetics and Structural Changes of Li-Rich Layered Oxide $0.5\text{Li}_2\text{MnO}_3 \cdot 0.5\text{LiNi}_{0.292}\text{Co}_{0.375}\text{Mn}_{0.333}\text{O}_2$ Material Investigated by a Novel Technique Combining in Situ XRD and a Multipotential Step. ACS Applied Materials & Interfaces, 2014, 6, 13271-13279. | 8.0 | 59 |
| 30 | High-performance rechargeable Li-CO ₂ /O ₂ battery with Ru/N-doped CNT catalyst. Chemical Engineering Journal, 2019, 363, 224-233. | 12.7 | 58 |
| 31 | New insight into structural transformation in Li-rich layered oxide during the initial charging. Journal of Materials Chemistry A, 2015, 3, 12220-12229. | 10.3 | 57 |
| 32 | Tuning the structure and property of nanostructured cathode materials of lithium ion and lithium sulfur batteries. Journal of Materials Chemistry A, 2014, 2, 19941-19962. | 10.3 | 56 |
| 33 | Origin and regulation of oxygen redox instability in high-voltage battery cathodes. Nature Energy, 2022, 7, 808-817. | 39.5 | 55 |
| 34 | Novel Sulfur Host Composed of Cobalt and Porous Graphitic Carbon Derived from MOFs for the High-Performance Li-S Battery. ACS Applied Materials & Interfaces, 2018, 10, 13499-13508. | 8.0 | 54 |
| 35 | Cubic $\text{MnS} \cdot \text{FeS}_2$ Composites Derived from a Prussian Blue Analogue as Anode Materials for Sodium-Ion Batteries with Long-Term Cycle Stability. ACS Applied Materials & Interfaces, 2020, 12, 43624-43633. | 8.0 | 53 |
| 36 | Metal Organic Framework Nanorod Doped Solid Polymer Electrolyte with Decreased Crystallinity for High-Performance All-Solid-State Lithium Batteries. ChemElectroChem, 2020, 7, 1125-1134. | 3.4 | 49 |

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|----|--|------|-----------|
| 37 | A "Biconcave-Alleviated" Strategy to Construct <i>Aspergillus niger</i> -Derived Carbon/MoS ₂ for Ultrastable Sodium Ion Storage. ACS Nano, 2021, 15, 13814-13825. | 14.6 | 49 |
| 38 | Si anode for next-generation lithium-ion battery. Current Opinion in Electrochemistry, 2019, 18, 46-54. | 4.8 | 48 |
| 39 | Probing into the working mechanism of Mg versus Co in enhancing the electrochemical performance of P2-Type layered composite for sodium-ion batteries. Nano Energy, 2019, 60, 162-170. | 16.0 | 48 |
| 40 | High-Energy Density Li metal Dual-Ion Battery with a Lithium Nitrate-Modified Carbonate-Based Electrolyte. ACS Applied Materials & Interfaces, 2019, 11, 18504-18510. | 8.0 | 47 |
| 41 | A hierarchical micro/nanostructured 0.5Li ₂ MnO ₃ ·0.5LiMn _{0.4} Ni _{0.3} Co _{0.3} O ₂ material synthesized by solvothermal route as high rate cathode of lithium ion battery. Electrochemistry Communications, 2014, 44, 54-58. | 4.7 | 46 |
| 42 | Superiority of the bi-phasic mixture of a tin-based alloy nanocomposite as the anode for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 3794-3800. | 10.3 | 43 |
| 43 | Achieving high capacity retention in lithium-sulfur batteries with an aqueous binder. Electrochemistry Communications, 2016, 72, 79-82. | 4.7 | 43 |
| 44 | Synergistic Dual-Additive Electrolyte for Interphase Modification to Boost Cyclability of Layered Cathode for Sodium Ion Batteries. Advanced Functional Materials, 2021, 31, 2010500. | 14.9 | 43 |
| 45 | Nano-Microstructured Si/C Composite with High Tap Density as an Anode Material for Lithium-Ion Batteries. ChemElectroChem, 2015, 2, 611-616. | 3.4 | 42 |
| 46 | Biomimetic micro cell cathode for high performance lithium-sulfur batteries. Nano Energy, 2020, 72, 104680. | 16.0 | 42 |
| 47 | Rigid and Flexible SEI Layer Formed Over a Cross-Linked Polymer for Enhanced Ultrathin Li Metal Anode Performance. Advanced Energy Materials, 2022, 12, . | 19.5 | 42 |
| 48 | Investigation and Suppression of Oxygen Release by LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ Cathode under Overcharge Conditions. Advanced Energy Materials, 2022, 12, . | 19.5 | 40 |
| 49 | Fabrication of multi-shell coated silicon nanoparticles via in-situ electroless deposition as high performance anodes for lithium ion batteries. Journal of Energy Chemistry, 2020, 48, 160-168. | 12.9 | 37 |
| 50 | High-Voltage LiCoO ₂ Material Encapsulated in a Li ₄ Ti ₅ O ₁₂ Ultrathin Layer by High-Speed Solid-Phase Coating Process. ACS Applied Energy Materials, 2020, 3, 2593-2603. | 5.1 | 36 |
| 51 | Improving the Electrochemical Property of Silicon Anodes through Hydrogen-Bonding Cross-Linked Thiourea-Based Polymeric Binders. ACS Applied Materials & Interfaces, 2021, 13, 639-649. | 8.0 | 36 |
| 52 | Novel MnO ₂ -Graphite Dual-Ion Battery and New Insights into Its Reaction Mechanism during Initial Cycle by Operando Techniques. ACS Applied Materials & Interfaces, 2019, 11, 12570-12577. | 8.0 | 35 |
| 53 | Core-Shell Structured S@Co(OH) ₂ with a Carbon-Nanofiber Interlayer: A Conductive Cathode with Suppressed Shuttling Effect for High-Performance Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2019, 11, 4065-4073. | 8.0 | 35 |
| 54 | Facile synthesis of hollow Cu ₂ Sb@C core-shell nanoparticles as a superior anode material for lithium ion batteries. Journal of Materials Chemistry, 2011, 21, 18517. | 6.7 | 32 |

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|----|---|------|-----------|
| 55 | l-Histidine-assisted template-free hydrothermal synthesis of γ -Fe ₂ O ₃ porous multi-shelled hollow spheres with enhanced lithium storage properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12361-12367. | 10.3 | 32 |
| 56 | A solid-state dendrite-free lithium-metal battery with improved electrode interphase and ion conductivity enhanced by a bifunctional solid plasticizer. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19565-19572. | 10.3 | 32 |
| 57 | NiCo ₂ O ₄ /CNF Separator Modifiers for Trapping and Catalyzing Polysulfides for High-Performance Lithium-Sulfur Batteries with High Sulfur Loadings and Lean Electrolytes. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1804-1813. | 6.7 | 31 |
| 58 | Magnetic Behaviors of Mg- and Zn-Doped Fe ₃ O ₄ Nanoparticles Estimated in Terms of Crystal Domain Size, Dielectric Response, and Application of Fe ₃ O ₄ /Carbon Nanotube Composites to Anodes for Lithium Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2015, 119, 26128-26142. | 3.1 | 29 |
| 59 | Sodium-Alginate-Based Binders for Lithium-Rich Cathode Materials in Lithium-Ion Batteries to Suppress Voltage and Capacity Fading. <i>ChemElectroChem</i> , 2018, 5, 1321-1329. | 3.4 | 29 |
| 60 | Ultrahigh sulfur content up to 93 wt% encapsulated in multilayer nanoshell of V ₂ O ₅ composite to suppress shuttle effect of lithium-sulfur battery with high-performance. <i>Materials Today Energy</i> , 2019, 13, 267-276. | 4.7 | 29 |
| 61 | Boosting Superior Lithium Storage Performance of Alloy-Based Anode Materials via Ultraconformal Sb Coating-Derived Favorable Solid-Electrolyte Interphase. <i>Advanced Energy Materials</i> , 2020, 10, 1903186. | 19.5 | 29 |
| 62 | <i>In Situ</i> Construction of an Ultrarobust and Lithiophilic Li-N Nanoshield for High-Performance Ge-Based Anode Materials. <i>ACS Energy Letters</i> , 2020, 5, 3490-3497. | 17.4 | 29 |
| 63 | Suppressing lithium dendrite growth by a synergetic effect of uniform nucleation and inhibition. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4300-4307. | 10.3 | 29 |
| 64 | Efficient diffusion of superdense lithium <i>via</i> atomic channels for dendrite-free lithium-metal batteries. <i>Energy and Environmental Science</i> , 2022, 15, 196-205. | 30.8 | 27 |
| 65 | Aluminum-Based Metal-Organic Frameworks Derived Al ₂ O ₃ -Loading Mesoporous Carbon as a Host Matrix for Lithium-Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47939-47947. | 8.0 | 26 |
| 66 | A fundamental understanding of the Fe/Ti doping induced structure formation process to realize controlled synthesis of layer-tunnel Na _{0.6} MnO ₂ cathode. <i>Nano Energy</i> , 2020, 70, 104539. | 16.0 | 26 |
| 67 | Multivalent Amide-Hydrogen-Bond Supramolecular Binder Enhances the Cyclic Stability of Silicon-Based Anodes for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22567-22576. | 8.0 | 26 |
| 68 | Succinic anhydride as a deposition-regulating additive for dendrite-free lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17317-17326. | 10.3 | 25 |
| 69 | Stabilizing Li-O ₂ Batteries with Multifunctional Fluorinated Graphene. <i>Nano Letters</i> , 2022, 22, 4985-4992. | 9.1 | 24 |
| 70 | Enhancing Li ion transfer efficacy in PEO-based solid polymer electrolytes to promote cycling stability of Li-metal batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 16087-16094. | 10.3 | 24 |
| 71 | One-step electrodeposition synthesis and electrochemical properties of Cu ₆ Sn ₅ alloy anodes for lithium-ion batteries. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1323-1330. | 2.9 | 23 |
| 72 | Revealing of the Activation Pathway and Cathode Electrolyte Interphase Evolution of Li-Rich 0.5Li ₂ MnO ₃ ·0.5LiNi _{0.3} Co _{0.3} Mn _{0.4} O ₂ Cathode by in Situ Electrochemical Quartz Crystal Microbalance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16214-16222. | 8.0 | 23 |

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|----|---|------|-----------|
| 73 | LiCoO ₂ electrode/electrolyte interface of Li-ion batteries investigated by electrochemical impedance spectroscopy. Science in China Series B: Chemistry, 2007, 50, 776-783. | 0.8 | 22 |
| 74 | An electrochemical impedance spectroscopic study of the electronic and ionic transport properties of LiCoO ₂ cathode. Science Bulletin, 2007, 52, 1187-1195. | 1.7 | 21 |
| 75 | TiO ₂ @MoS ₂ hybrid nano composites with 3D network architecture as binder-free flexible electrodes for lithium ion batteries. Journal of Materials Science: Materials in Electronics, 2017, 28, 9519-9527. | 2.2 | 21 |
| 76 | Co/Li-dual-site doping towards LiCoO ₂ as a high-voltage, fast-charging, and long-cycling cathode material. Journal of Materials Chemistry A, 2022, 10, 5295-5304. | 10.3 | 21 |
| 77 | Synthesis of a novel tunnel Na _{0.5} K _{0.1} MnO ₂ composite as a cathode for sodium ion batteries. RSC Advances, 2016, 6, 54404-54409. | 3.6 | 20 |
| 78 | Fabrication of Si Nanoparticles@Conductive Carbon Framework@Polymer Composite as High-Areal Capacity Anode of Lithium-ion Batteries. ChemElectroChem, 2018, 5, 3258-3265. | 3.4 | 20 |
| 79 | Enabling Lithium-Metal Anode Encapsulated in a 3D Carbon Skeleton with a Superior Rate Performance and Capacity Retention in Full Cells. ACS Applied Materials & Interfaces, 2018, 10, 35296-35305. | 8.0 | 19 |
| 80 | Lithiation/delithiation performance of Sn-Co alloy anode using rough Cu foil as current collector. Journal of Solid State Electrochemistry, 2009, 13, 1849-1858. | 2.5 | 17 |
| 81 | Investigation of interfacial processes in graphite thin film anodes of lithium-ion batteries by both in situ and ex situ infrared spectroscopy. Science China Chemistry, 2013, 56, 992-996. | 8.2 | 16 |
| 82 | Understanding the role of water-soluble guar gum binder in reducing capacity fading and voltage decay of Li-rich cathode for Li-ion batteries. Electrochimica Acta, 2020, 351, 136401. | 5.2 | 16 |
| 83 | Nonvolatile and Nonflammable Sulfolane-Based Electrolyte Achieving Effective and Safe Operation of the Li-O ₂ Battery in Open O ₂ Environment. Nano Letters, 2022, 22, 815-821. | 9.1 | 16 |
| 84 | Studies of the first lithiation of graphite materials by electrochemical impedance spectroscopy. Science Bulletin, 2006, 51, 1055-1059. | 1.7 | 15 |
| 85 | Studies of Structure and Electrocatalytic Hydrogen Evolution on Electrodeposited Nanocrystalline Ni-Mo Alloy Electrodes. Transactions of the Institute of Metal Finishing, 2001, 79, 136-139. | 1.3 | 14 |
| 86 | Electrodeposition, Structure and Corrosion Resistance of Nanocrystalline Ni-W Alloy. Chinese Journal of Chemistry, 2004, 22, 228-231. | 4.9 | 14 |
| 87 | Influence of Carbonate Solvents on Solid Electrolyte Interphase Composition over Si Electrodes Monitored by <i>In Situ</i> and <i>Ex Situ</i> Spectroscopies. ACS Omega, 2021, 6, 27335-27350. | 3.5 | 14 |
| 88 | Improving the Electrochemical Performance of Li _{1.14} Ni _{0.18} Mn _{0.62} O ₂ by Modulating Structure Defects via a Molten Salt Method. ChemElectroChem, 2016, 3, 98-104. | 3.4 | 13 |
| 89 | A Synergistic Effect in a Composite Cathode Consisting of Spinel and Layered Structures To Increase the Electrochemical Performance for Li-Ion Batteries. Journal of Physical Chemistry C, 2016, 120, 25647-25656. | 3.1 | 13 |
| 90 | Low temperature synthesis of LiNiO ₂ @LiCoO ₂ as cathode materials for lithium ion batteries. Journal of Solid State Electrochemistry, 2010, 14, 1117-1124. | 2.5 | 12 |

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|-----|--|------|-----------|
| 91 | Submicro-sized Si-Ge solid solutions with high capacity and long cyclability for lithium-ion batteries. <i>Journal of Materials Research</i> , 2018, 33, 1553-1564. | 2.6 | 11 |
| 92 | High Cycling Performance Li-S Battery via Fenugreek Gum Binder Through Chemical Bonding of the Binder with Polysulfides in Nanosulfur@CNFs Cathode. <i>ChemistrySelect</i> , 2020, 5, 8969-8979. | 1.5 | 11 |
| 93 | Insights into the Li incorporation effect in Ni/Co-free P2-type $\text{Na}_{0.6}\text{Mn}_{0.8}\text{Cu}_{0.2}\text{O}_2$ for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22346-22355. | 10.3 | 10 |
| 94 | Electrodeposition and Properties of an Amorphous Ni-W-B Alloy before and after Heat Treatment. <i>Chinese Journal of Chemistry</i> , 2006, 24, 114-118. | 4.9 | 9 |
| 95 | Layered $\text{Li}_{1.3}\text{Mn}_{0.58}\text{Ni}_{0.12}\text{Co}_{0.11}\text{O}_{2+\delta}$ Cathode Material for Lithium-ion Batteries with High Reversible Capacity. <i>ChemElectroChem</i> , 2016, 3, 2027-2030. | 3.4 | 9 |
| 96 | Sulfur Microspheres Encapsulated in Porous Silver-Based Shell with Superior Performance for Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2018, 5, 1683-1690. | 3.4 | 9 |
| 97 | Amidinothiourea as a new deposition-regulating additive for dendrite-free lithium metal anodes. <i>Chemical Communications</i> , 2021, 57, 10055-10058. | 4.1 | 9 |
| 98 | Influence of Chloride and PEG on Electrochemical Nucleation of Copper. <i>Transactions of the Institute of Metal Finishing</i> , 2002, 80, 183-186. | 1.3 | 8 |
| 99 | RuO ₂ nanoparticles supported on Ni and N co-doped carbon nanotubes as an efficient bifunctional electrocatalyst of lithium-oxygen battery. <i>Science China Materials</i> , 2021, 64, 2397-2408. | 6.3 | 8 |
| 100 | Aluminum-sulfur composites for Li S batteries with a high-rate performance. <i>Composites Part B: Engineering</i> , 2019, 164, 740-746. | 12.0 | 7 |
| 101 | Formulating a New Electrolyte: Synergy between Low-Polar and Non-polar Solvents in Tailoring the Solid Electrolyte Interface for the Silicon Anode. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 55700-55711. | 8.0 | 7 |
| 102 | In Operando Investigation of the Structural Evolution during Calcination and Corresponding Enhanced Performance of Three-Dimensional $\text{Na}_2\text{Ti}_6\text{O}_{13}$ @C/N Hierarchical Microflowers. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 17430-17436. | 3.7 | 5 |
| 103 | A novel high-energy-density lithium-free anode dual-ion battery and <i>in situ</i> revealing the interface structure evolution. <i>Chemical Science</i> , 2022, 13, 4058-4069. | 7.4 | 5 |
| 104 | Regulating the Architecture of a Solid Electrolyte Interface on a Li-Metal Anode of a LiO_2 Battery by a Dithiobiuret Additive. , 2022, 4, 682-691. | | 5 |
| 105 | A Study on the Effect of Bath Composition on the Internal Stress of a Palladium Electrodeposit. <i>Transactions of the Institute of Metal Finishing</i> , 1998, 76, 238-240. | 1.3 | 4 |
| 106 | Customizing Multifunctional Sulfur Host Materials Via a General Anion-Exchange Process with Metal-Organic Solid. <i>Advanced Functional Materials</i> , 2021, 31, 2104513. | 14.9 | 4 |
| 107 | Copper Substitution in P2-Type Sodium Layered Oxide To Mitigate Phase Transition and Enhance Cyclability of Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29813-29821. | 8.0 | 4 |
| 108 | Study on Some Properties of the Electrolyte Solution in the Electrodeposition of Palladium. <i>Transactions of the Institute of Metal Finishing</i> , 1999, 77, 103-105. | 1.3 | 2 |

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|-----|---|-----|-----------|
| 109 | Reducing Safety Hazards by Optimizing the Morphology of the $\text{LiNi}_{0.5}\text{Co}_{0.25}\text{Mn}_{0.25}\text{O}_2$ Cathode Material under Abuse Conditions. ACS Applied Energy Materials, 0, , . | 5.1 | 1 |