

Xin-hui Xia

List of Publications by Year in descending order

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305
papers

28,730
citations

3721

89
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6282

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docs citations

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times ranked

21746
citing authors

#	ARTICLE	IF	CITATIONS
1	Array of nanosheets render ultrafast and high-capacity Na-ion storage by tunable pseudocapacitance. <i>Nature Communications</i> , 2016, 7, 12122.	5.8	1,232
2	Transition Metal Carbides and Nitrides in Energy Storage and Conversion. <i>Advanced Science</i> , 2016, 3, 1500286.	5.6	1,001
3	High-Quality Metal Oxide Core/Shell Nanowire Arrays on Conductive Substrates for Electrochemical Energy Storage. <i>ACS Nano</i> , 2012, 6, 5531-5538.	7.3	972
4	Self-supported hydrothermal synthesized hollow Co ₃ O ₄ nanowire arrays with high supercapacitor capacitance. <i>Journal of Materials Chemistry</i> , 2011, 21, 9319.	6.7	669
5	Strong Sulfur Binding with Conducting Magn ⁺ li-Phase Ti ₂ O ₃ Nanomaterials for Improving Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2014, 14, 5288-5294.	4.5	643
6	Green and Facile Fabrication of Hollow Porous MnO/C Microspheres from Microalgae for Lithium-Ion Batteries. <i>ACS Nano</i> , 2013, 7, 7083-7092.	7.3	493
7	Graphene Quantum Dots Coated VO ₂ Arrays for Highly Durable Electrodes for Li and Na Ion Batteries. <i>Nano Letters</i> , 2015, 15, 565-573.	4.5	493
8	A V ₂ O ₅ /Conductive Polymer Core/Shell Nanobelt Array on Three-Dimensional Graphite Foam: A High-Rate, Ultrastable, and Freestanding Cathode for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2014, 26, 5794-5800.	11.1	450
9	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
10	3D lithium metal embedded within lithiophilic porous matrix for stable lithium metal batteries. <i>Nano Energy</i> , 2017, 37, 177-186.	8.2	431
11	A New Type of Porous Graphite Foams and Their Integrated Composites with Oxide/Polymer Core/Shell Nanowires for Supercapacitors: Structural Design, Fabrication, and Full Supercapacitor Demonstrations. <i>Nano Letters</i> , 2014, 14, 1651-1658.	4.5	428
12	Freestanding Co ₃ O ₄ nanowire array for high performance supercapacitors. <i>RSC Advances</i> , 2012, 2, 1835.	1.7	414
13	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
14	Solution synthesis of metal oxides for electrochemical energy storage applications. <i>Nanoscale</i> , 2014, 6, 5008-5048.	2.8	363
15	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
16	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
17	Heteroatom Doping: An Effective Way to Boost Sodium Ion Storage. <i>Advanced Energy Materials</i> , 2020, 10, 2000927.	10.2	309
18	Emerging of Heterostructure Materials in Energy Storage: A Review. <i>Advanced Materials</i> , 2021, 33, e2100855.	11.1	308

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19	Mesoporous Co ₃ O ₄ monolayer hollow-sphere array as electrochemical pseudocapacitor material. <i>Chemical Communications</i> , 2011, 47, 5786.	2.2	307
20	Rationally Designed Hierarchical TiO ₂ @Fe ₂ O ₃ Hollow Nanostructures for Improved Lithium Ion Storage. <i>Advanced Energy Materials</i> , 2013, 3, 737-743.	10.2	296
21	Hierarchically porous NiO film grown by chemical bath deposition via a colloidal crystal template as an electrochemical pseudocapacitor material. <i>Journal of Materials Chemistry</i> , 2011, 21, 671-679.	6.7	282
22	Graphene Sheet/Porous NiO Hybrid Film for Supercapacitor Applications. <i>Chemistry - A European Journal</i> , 2011, 17, 10898-10905.	1.7	266
23	Hydrothermally synthesized WO ₃ nanowire arrays with highly improved electrochromic performance. <i>Journal of Materials Chemistry</i> , 2011, 21, 5492.	6.7	264
24	Phase Modulation of (1Tâ€‘H)â€‘MoSe ₂ /TiCâ€‘ Shell/Core Arrays via Nitrogen Doping for Highly Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2018, 30, e1802223.	11.1	244
25	Exploring Advanced Sandwiched Arrays by Vertical Graphene and Nâ€‘Doped Carbon for Enhanced Sodium Storage. <i>Advanced Energy Materials</i> , 2017, 7, 1601804.	10.2	243
26	3D TiC/C Core/Shell Nanowire Skeleton for Dendriteâ€‘Free and Longâ€‘Life Lithium Metal Anode. <i>Advanced Energy Materials</i> , 2018, 8, 1702322.	10.2	237
27	Biotemplated fabrication of hierarchically porous NiO/C composite from lotus pollen grains for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 9209.	6.7	232
28	Multiscale Grapheneâ€‘Based Materials for Applications in Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1803342.	10.2	215
29	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
30	Facilitation of sulfur evolution reaction by pyridinic nitrogen doped carbon nanoflakes for highly-stable lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2018, 10, 1-9.	9.5	208
31	Electrode Design for Lithiumâ€‘Sulfur Batteries: Problems and Solutions. <i>Advanced Functional Materials</i> , 2020, 30, 1910375.	7.8	206
32	Highly mesoporous carbon foams synthesized by a facile, cost-effective and template-free Pechini method for advanced lithiumâ€‘sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3295.	5.2	205
33	Co ₃ O ₄ â€‘C coreâ€‘shell nanowire array as an advanced anode material for lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 15056.	6.7	202
34	Synergistic Doping and Intercalation: Realizing Deep Phase Modulation on MoS ₂ Arrays for Highâ€‘Efficiency Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16289-16296.	7.2	201
35	Recent progress on MOFâ€‘derived carbon materials for energy storage. , 2020, 2, 176-202.		198
36	Controllable Growth of Conducting Polymers Shell for Constructing High-Quality Organic/Inorganic Core/Shell Nanostructures and Their Optical-Electrochemical Properties. <i>Nano Letters</i> , 2013, 13, 4562-4568.	4.5	197

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37	Interface issues of lithium metal anode for <sc>high-energy</sc> batteries: Challenges, strategies, and perspectives. <i>Informa Mater</i> , 2021, 3, 155-174.	8.5	195
38	Hollow TiO ₂ @Co ₉ S ₈ Core-shell Branch Arrays as Bifunctional Electrocatalysts for Efficient Oxygen/Hydrogen Production. <i>Advanced Science</i> , 2018, 5, 1700772.	5.6	189
39	Fe ₃ N ₄ Sites Embedded into Carbon Nanofiber Integrated with Electrochemically Exfoliated Graphene for Oxygen Evolution in Acidic Medium. <i>Advanced Energy Materials</i> , 2018, 8, 1801912.	10.2	188
40	Hollow core-shell nanostructure supercapacitor electrodes: gap matters. <i>Energy and Environmental Science</i> , 2012, 5, 9085.	15.6	184
41	Defect Promoted Capacity and Durability of 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
42	Implanting Niobium Carbide into Trichoderma Spore Carbon: a New Advanced Host for Sulfur Cathodes. <i>Advanced Materials</i> , 2019, 31, e1900009.	11.1	168
43	Encapsulating silicon nanoparticles into mesoporous carbon forming pomegranate-structured microspheres as a high-performance anode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11197-11203.	5.2	167
44	Enhancing the Capacitive Storage Performance of Carbon Fiber Textile by Surface and Structural Modulation for Advanced Flexible Asymmetric Supercapacitors. <i>Advanced Functional Materials</i> , 2019, 29, 1806329.	7.8	167
45	Tailored Li ₂ S ₂ P ₂ S ₅ glass-ceramic electrolyte by MoS ₂ doping, possessing high ionic conductivity for all-solid-state lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2829-2834.	5.2	158
46	Revisiting Scientific Issues for Industrial Applications of Lithium-sulfur Batteries. <i>Energy and Environmental Materials</i> , 2018, 1, 196-208.	7.3	158
47	Ultrafine Metal Nanoparticles/N-doped Porous Carbon Hybrids Coated on Carbon Fibers as Flexible and Binder-free Water Splitting Catalysts. <i>Advanced Energy Materials</i> , 2017, 7, 1700220.	10.2	156
48	Metal oxide nanoparticles induced step-edge nucleation of stable Li metal anode working under an ultrahigh current density of 15 mA cm ⁻² . <i>Nano Energy</i> , 2018, 45, 203-209.	8.2	153
49	A Brief Review on Solid Electrolyte Interphase Composition Characterization Technology for Lithium Metal Batteries: Challenges and Perspectives. <i>Journal of Physical Chemistry C</i> , 2021, 125, 19060-19080.	1.5	153
50	VO ₂ nanoflake arrays for supercapacitor and Li-ion battery electrodes: performance enhancement by hydrogen molybdenum bronze as an efficient shell material. <i>Materials Horizons</i> , 2015, 2, 237-244.	6.4	152
51	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
52	Enhanced sulfide chemisorption using boron and oxygen dually doped multi-walled carbon nanotubes for advanced lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 632-640.	5.2	151
53	Facile synthesis of single-crystalline mesoporous Fe ₂ O ₃ and Fe ₃ O ₄ nanorods as anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 20566.	6.7	148
54	Perovskite solar cell powered electrochromic batteries for smart windows. <i>Materials Horizons</i> , 2016, 3, 588-595.	6.4	148

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55	Confining Sulfur in N-Doped Porous Carbon Microspheres Derived from Microalgae for Advanced Lithium–Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23782-23791.	4.0	148
56	Natural biomass-derived carbons for electrochemical energy storage. <i>Materials Research Bulletin</i> , 2017, 88, 234-241.	2.7	146
57	Smart Construction of Integrated CNTs/Li ₄ Ti ₅ O ₁₂ Core/Shell Arrays with Superior High-Rate Performance for Application in Lithium-Ion Batteries. <i>Advanced Science</i> , 2018, 5, 1700786.	5.6	146
58	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
59	Multicolor electrochromic polyaniline–WO ₃ hybrid thin films: One-pot molecular assembling synthesis. <i>Journal of Materials Chemistry</i> , 2011, 21, 17316.	6.7	141
60	Unraveling the Intra and Intercycle Interfacial Evolution of Li ₆ PS ₅ Cl-Based All-Solid-State Lithium Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 1903311.	10.2	141
61	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
62	Oxygen vacancy modulated Ti ₂ Nb ₁₀ O _{29-x} embedded onto porous bacterial cellulose carbon for highly efficient lithium ion storage. <i>Nano Energy</i> , 2019, 58, 355-364.	8.2	137
63	Porous Carbon Hosts for Lithium–Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2019, 25, 3710-3725.	1.7	136
64	All-solid-state lithium–sulfur batteries based on a newly designed Li ₇ P _{2.9} Mn _{0.1} S _{10.7} I _{0.3} superionic conductor. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6310-6317.	5.2	133
65	Hollow metallic 1T MoS ₂ arrays grown on carbon cloth: a freestanding electrode for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18318-18324.	5.2	133
66	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
67	Li ₂ S ₆ -Integrated PEO-Based Polymer Electrolytes for All-Solid-State Lithium–Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17701-17706.	7.2	127
68	Ionic conductivity promotion of polymer electrolyte with ionic liquid grafted oxides for all-solid-state lithium–sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12934-12942.	5.2	126
69	Spore Carbon from <i>Aspergillus Oryzae</i> for Advanced Electrochemical Energy Storage. <i>Advanced Materials</i> , 2018, 30, e1805165.	11.1	122
70	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
71	A Newly Designed Composite Gel Polymer Electrolyte Based on Poly(Vinylidene Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td - A European Journal, 2017, 23, 15203-15209.	1.7	117
72	Plasma of Hierarchical Graphene Survives SnS Bundles for Ultrastable and High Volumetric Na-Ion Storage. <i>Advanced Materials</i> , 2018, 30, e1804833.	11.1	117

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73	Anchoring MnO ₂ on nitrogen-doped porous carbon nanosheets as flexible arrays cathodes for advanced rechargeable Zn-MnO ₂ batteries. <i>Energy Storage Materials</i> , 2020, 29, 52-59.	9.5	117
74	Enhanced electrochromic and energy storage performance in mesoporous WO ₃ film and its application in a bi-functional smart window. <i>Nanoscale</i> , 2018, 10, 8162-8169.	2.8	116
75	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
76	Construction of Co ₃ O ₄ nanotubes as high-performance anode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2015, 160, 15-21.	2.6	113
77	Exploring Self-Healing Liquid Na-K Alloy for Dendrite-Free Electrochemical Energy Storage. <i>Advanced Materials</i> , 2018, 30, e1804011.	11.1	112
78	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
79	Oxygen Defect Modulated Titanium Niobium Oxide on Graphene Arrays: An Open Door for High-Performance 1.4 V Symmetric Supercapacitor in Acidic Aqueous Electrolyte. <i>Advanced Functional Materials</i> , 2018, 28, 1805618.	7.8	110
80	Highly efficient electrolytic exfoliation of graphite into graphene sheets based on Li ions intercalation-expansion-microexplosion mechanism. <i>Journal of Materials Chemistry</i> , 2012, 22, 10452.	6.7	109
81	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
82	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
83	Vertical graphene/Ti ₂ Nb ₁₀ O ₂₉ /hydrogen molybdenum bronze composite arrays for enhanced lithium ion storage. <i>Energy Storage Materials</i> , 2018, 12, 137-144.	9.5	103
84	Bio-inspired fabrication of carbon nanotiles for high performance cathode of Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2290-2296.	5.2	102
85	Mesoporous NiCo ₂ O ₄ Nanoplates on Three-Dimensional Graphene Foam as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28274-28282.	4.0	100
86	3D CNTs Networks Enable MnO ₂ Cathodes with High Capacity and Superior Rate Capability for Flexible Rechargeable Zn-MnO ₂ Batteries. <i>Small Methods</i> , 2019, 3, 1900525.	4.6	99
87	Rationally Designed Silicon Nanostructures as Anode Material for Lithium-Ion Batteries. <i>Advanced Engineering Materials</i> , 2018, 20, 1700591.	1.6	97
88	Original growth mechanism for ultra-stable dendrite-free potassium metal electrode. <i>Nano Energy</i> , 2019, 62, 367-375.	8.2	93
89	Boosting fast energy storage by synergistic engineering of carbon and deficiency. <i>Nature Communications</i> , 2020, 11, 132.	5.8	92
90	Synthesis of MnO/C composites derived from pollen template for advanced lithium-ion batteries. <i>Electrochimica Acta</i> , 2015, 152, 286-293.	2.6	91

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91	Bacterium, Fungus, and Virus Microorganisms for Energy Storage and Conversion. <i>Small Methods</i> , 2019, 3, 1900596.	4.6	91
92	Novel carbon channels from loofah sponge for construction of metal sulfide/carbon composites with robust electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7578-7585.	5.2	90
93	Silicon-Doped Argyrodite Solid Electrolyte $\text{Li}_6\text{PS}_5\text{I}$ with Improved Ionic Conductivity and Interfacial Compatibility for High-Performance All-Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41538-41545.	4.0	90
94	Single-Crystalline, Metallic TiC Nanowires for Highly Robust and Wide-Temperature Electrochemical Energy Storage. <i>Small</i> , 2017, 13, 1602742.	5.2	89
95	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
96	A novel durable double-conductive core-shell structure applying to the synthesis of silicon anode for lithium ion batteries. <i>Journal of Power Sources</i> , 2018, 384, 207-213.	4.0	87
97	Biomass derived $\text{Ni}(\text{OH})_2$ @porous carbon/sulfur composites synthesized by a novel sulfur impregnation strategy based on supercritical CO_2 technology for advanced Li-S batteries. <i>Journal of Power Sources</i> , 2018, 378, 73-80.	4.0	87
98	Coupled Biphasic (Ti_2H) MoSe_2 on Mold Spore Carbon for Advanced Hydrogen Evolution Reaction. <i>Small</i> , 2019, 15, e1901796.	5.2	87
99	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
100	Integrated photoelectrochemical energy storage: solar hydrogen generation and supercapacitor. <i>Scientific Reports</i> , 2012, 2, 981.	1.6	85
101	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
102	Coupling PEDOT on Mesoporous Vanadium Nitride Arrays for Advanced Flexible All-Solid-State Supercapacitors. <i>Small</i> , 2020, 16, e2003434.	5.2	85
103	Employing Ni-Embedded Porous Graphitic Carbon Fibers for High-Efficiency Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 10457-10466.	4.0	82
104	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
105	High-Index-Faceted Ni_3S_2 Branch Arrays as Bifunctional Electrocatalysts for Efficient Water Splitting. <i>Nano-Micro Letters</i> , 2019, 11, 12.	14.4	81
106	Multifunctional Hyphae Carbon Powering Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2022, 34, e2107415.	11.1	81
107	Superior high-rate lithium-ion storage on $\text{Ti}_2\text{Nb}_{10}\text{O}_{29}$ arrays via synergistic TiC/C skeleton and N-doped carbon shell. <i>Nano Energy</i> , 2018, 54, 304-312.	8.2	80
108	Fabrication of metal oxide nanobranches on atomic-layer-deposited TiO_2 nanotube arrays and their application in energy storage. <i>Nanoscale</i> , 2013, 5, 6040.	2.8	79

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109	A highly ion-conductive three-dimensional LLZAO-PEO/LiTFSI solid electrolyte for high-performance solid-state batteries. <i>Chemical Engineering Journal</i> , 2020, 394, 124993.	6.6	79
110	Integration of Energy Harvesting and Electrochemical Storage Devices. <i>Advanced Materials Technologies</i> , 2017, 2, 1700182.	3.0	78
111	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
112	Molybdenum Selenide Electrocatalysts for Electrochemical Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2019, 6, 3530-3548.	1.7	73
113	Biotemplating of phosphate hierarchical rechargeable LiFePO ₄ /C spirulina microstructures. <i>Journal of Materials Chemistry</i> , 2011, 21, 6498.	6.7	71
114	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
115	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
116	Etiology of Severe Community-Acquired Pneumonia in Adults Based on Metagenomic Next-Generation Sequencing: A Prospective Multicenter Study. <i>Infectious Diseases and Therapy</i> , 2020, 9, 1003-1015.	1.8	71
117	A synergistic vertical graphene skeleton and S@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
118	Nitrogen-Doped Sponge Ni Fibers as Highly Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>Nano-Micro Letters</i> , 2019, 11, 21.	14.4	70
119	Exploring hydrogen molybdenum bronze for sodium ion storage: Performance enhancement by vertical graphene core and conductive polymer shell. <i>Nano Energy</i> , 2018, 44, 265-271.	8.2	69
120	Construction of All-Solid-State Batteries based on a Sulfur@Graphene Composite and Li _{9.54} Si _{1.74} P _{1.44} S _{11.7} Cl _{0.3} Solid Electrolyte. <i>Chemistry - A European Journal</i> , 2017, 23, 13950-13956.	1.7	68
121	Biotemplated Fabrication of Sn@C Anode Materials Based on the Unique Metal Biosorption Behavior of Microalgae. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3696-3702.	4.0	67
122	Template-free synthesis of hollow Fe ₂ O ₃ microcubes for advanced lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2307-2312.	5.2	66
123	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
124	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
125	Metal@CO ₂ Electrochemistry: From CO ₂ Recycling to Energy Storage. <i>Advanced Energy Materials</i> , 2021, 11, 2100667.	10.2	65
126	Rational construction of a metal core for smart combination with Li ₄ Ti ₅ 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

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127	One-pot Biotemplate Synthesis of FeS ₂ Decorated Sulfur-doped Carbon Fiber as High Capacity Anode for Lithium-ion Batteries. <i>Electrochimica Acta</i> , 2016, 209, 201-209.	2.6	63
128	Atomic-layer-deposited iron oxide on arrays of metal/carbon spheres and their application for electrocatalysis. <i>Nano Energy</i> , 2016, 20, 244-253.	8.2	62
129	<i>In situ</i> formation of a Li ₃ N-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
130	Large-scale synthesis of high-quality lithium-graphite hybrid anodes for mass-controllable and cycling-stable lithium metal batteries. <i>Energy Storage Materials</i> , 2018, 15, 31-36.	9.5	59
131	The Development Trend of Graphene Derivatives. <i>Journal of Electronic Materials</i> , 2022, 51, 4107-4114.	1.0	58
132	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
133	A multicolor electrochromic film based on a SnO ₂ /V ₂ O ₅ core/shell structure for adaptive camouflage. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5702-5709.	2.7	57
134	Multiscale Porous Carbon Nanomaterials for Applications in Advanced Rechargeable Batteries. <i>Batteries and Supercaps</i> , 2019, 2, 9-36.	2.4	56
135	A Versatile Li _{6.5} In _{0.25} P _{0.75} S ₅ 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
136	Efficient oxygen reduction reaction using mesoporous Ni-doped Co ₃ O ₄ nanowire array electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18372-18379.	5.2	54
137	Rational synthesis of Li ₄ Ti ₅ O ₁₂ /N-C nanotube arrays as advanced high-rate electrodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3857-3863.	5.2	54
138	Recent Advances in Carbon Anodes for Sodium-Ion Batteries. <i>Chemical Record</i> , 2022, 22, .	2.9	53
139	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
140	Empowering Metal Phosphides Anode with Catalytic Attribute toward Superior Cyclability for Lithium-Ion Storage. <i>Advanced Functional Materials</i> , 2019, 29, 1809051.	7.8	52
141	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
142	TiC/NiO Core/Shell Nanoarchitecture with Battery-Capacitive Synchronous Lithium Storage for High-Performance Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11842-11848.	4.0	51
143	Boosting High-Rate Sodium Storage Performance of N-Doped Carbon-Encapsulated Na ₃ V ₂ (PO ₄) ₃ Nanoparticles Anchoring on Carbon Cloth. <i>Small</i> , 2019, 15, e1902432.	5.2	51
144	Green and facile synthesis of Fe ₃ O ₄ and graphene nanocomposites with enhanced rate capability and cycling stability for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16206-16212.	5.2	50

#	ARTICLE	IF	CITATIONS
145	Improved Ionic Conductivity and Li Dendrite Suppression Capability toward $\text{Li}_{7-x}\text{P}_3\text{S}_{11}$ -Based Solid Electrolytes Triggered by Nb and O Cosubstitution. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 54662-54670.	4.0	50
146	A facile, scalable, high stability Lithium metal anode. <i>SusMat</i> , 2022, 2, 104-112.	7.8	50
147	Supercritical CO_2 mediated incorporation of sulfur into carbon matrix as cathode materials towards high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 212-222.	5.2	49
148	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
149	N-doped CoO nanowire arrays as efficient electrocatalysts for oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2019, 37, 13-17.	7.1	49
150	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
151	Assembling Co_9S_8 nanoflakes on Co_3O_4 nanowires as advanced core/shell electrocatalysts for oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2017, 26, 1203-1209.	7.1	46
152	Oxygen defect boosted N-doped $\text{Ti}_2\text{Nb}_{10}\text{O}_{29}$ anchored on core-branch carbon skeleton for both high-rate liquid & solid-state lithium ion batteries. <i>Energy Storage Materials</i> , 2020, 25, 555-562.	9.5	46
153	A Stretchable and Safe Polymer Electrolyte with a Protecting-Layer Strategy for Solid-State Lithium Metal Batteries. <i>Advanced Science</i> , 2021, 8, 2003241.	5.6	46
154	In situ confocal microscopic observation on inhibiting the dendrite formation of a- CN_x/Li electrode. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15597-15604.	5.2	45
155	A green and facile strategy for the low-temperature and rapid synthesis of $\text{Li}_2\text{S}@P\text{CNT}$ cathodes with high Li_2S content for advanced Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9906-9914.	5.2	45
156	Directional construction of Cu_2S branch arrays for advanced oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2019, 39, 61-67.	7.1	45
157	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
158	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
159	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
160	Spatially Confined Synthesis of SnSe Spheres Encapsulated in N, Se Dual-Doped Carbon Networks toward Fast and Durable Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4230-4241.	4.0	43
161	Stabilizing the interphase between Li and Argyrodite electrolyte through synergistic phosphating process for all-solid-state lithium batteries. <i>Nano Energy</i> , 2022, 96, 107104.	8.2	43
162	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

#	ARTICLE	IF	CITATIONS
163	Self-supported VO ₂ arrays decorated with N-doped carbon as an advanced cathode for lithium-ion storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6644-6650.	5.2	41
164	Needle-Like Cu-Co Skeleton Compositing with Li ₄ Ti ₅ O ₁₂ Forming Core-Branch Arrays for High-Rate Lithium Ion Storage. <i>Small</i> , 2018, 14, e1704339.	5.2	40
165	3D ultraviolet polymerized electrolyte based on PEO modified PVDF-HFP electrospun membrane for high-performance lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2020, 329, 135108.	2.6	40
166	Heterostructured NiS ₂ @SnS ₂ hollow spheres as superior high-rate and durable anodes for sodium-ion batteries. <i>Science China Chemistry</i> , 2022, 65, 1420-1432.	4.2	40
167	Growth of and methanol electro-oxidation by gold nanowires with high density stacking faults. <i>Journal of Materials Chemistry</i> , 2011, 21, 4843.	6.7	39
168	Prereduction of Metal Oxides via Carbon Plasma Treatment for Efficient and Stable Electrocatalytic Hydrogen Evolution. <i>Small</i> , 2018, 14, e1800340.	5.2	39
169	Non-Newtonian Fluid State Na Alloy for a Stretchable Energy Storage Device. <i>Small Methods</i> , 2019, 3, 1900383.	4.6	39
170	In Situ Probing Multiple-Scale Structures of Energy Materials for Li-Ion Batteries. <i>Small Methods</i> , 2020, 4, 1900223.	4.6	39
171	Interfacial Reactions in Inorganic All-Solid-State Lithium Batteries. <i>Batteries and Supercaps</i> , 2021, 4, 8-38.	2.4	39
172	Exploring highly porous Co ₂ P nanowire arrays for electrochemical energy storage. <i>Journal of Power Sources</i> , 2017, 342, 964-969.	4.0	38
173	Oxide Nanostructures Hyperbranched with Thin and Hollow Metal Shells for High-Performance Nanostructured Battery Electrodes. <i>Small</i> , 2014, 10, 2419-2428.	5.2	37
174	Sulfur synchronously electrodeposited onto exfoliated graphene sheets as a cathode material for advanced lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16513-16519.	5.2	37
175	High-content of sulfur uniformly embedded in mesoporous carbon: a new electrodeposition synthesis and an outstanding lithium-sulfur battery cathode. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5905-5911.	5.2	37
176	Bifunctional NiFe layered double hydroxide@Ni ₃ S ₂ heterostructure as efficient electrocatalyst for overall water splitting. <i>Nanotechnology</i> , 2019, 30, 484001.	1.3	37
177	Synergy of Ion Doping and Spiral Array Architecture on Ti ₂ Nb ₁₀ O ₂₉ : A New Way to Achieve High-Power Electrodes. <i>Advanced Functional Materials</i> , 2020, 30, 2002665.	7.8	37
178	Enhanced sulfide chemisorption by conductive Al-doped ZnO decorated carbon nanoflakes for advanced Li-S batteries. <i>Nano Research</i> , 2018, 11, 477-489.	5.8	36
179	Unveiling the solid-solution charge storage mechanism in 1T vanadium disulfide nanoarray cathodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9068-9076.	5.2	36
180	Supercritical fluid assisted biotemplating synthesis of SiO ₂ -C microspheres from microalgae for advanced Li-ion batteries. <i>RSC Advances</i> , 2016, 6, 69764-69772.	1.7	35

#	ARTICLE	IF	CITATIONS
181	Biomass-derived carbon/silicon three-dimensional hierarchical nanostructure as anode material for lithium ion batteries. <i>Materials Research Bulletin</i> , 2017, 96, 340-346.	2.7	35
182	Hydrothermal synthesized porous Co(OH) ₂ nanoflake film for supercapacitor application. <i>Science Bulletin</i> , 2012, 57, 4215-4219.	1.7	34
183	Excess adenosine A2B receptor signaling contributes to priapism through HIF-1 α mediated reduction of PDE5 gene expression. <i>FASEB Journal</i> , 2014, 28, 2725-2735.	0.2	34
184	Hybrid nanoarchitecture of rutile TiO ₂ nanoneedle/graphene for advanced lithium-ion batteries. <i>Solid State Ionics</i> , 2015, 269, 44-50.	1.3	34
185	Self-supported Ni decorated NiO nanoflake arrays as promising cathode materials of hybrid batteries. <i>Materials Research Bulletin</i> , 2016, 76, 113-117.	2.7	34
186	A 3D conductive network with high loading Li ₂ S@C for high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19358-19363.	5.2	34
187	Construction of 1D MoSe ₂ /TiC@C Branch-Core Arrays as Advanced Anodes for Enhanced Sodium Ion Storage. <i>ChemSusChem</i> , 2020, 13, 1575-1581.	3.6	34
188	Ultrafast Synthesis of Li-Rich Lithium Argyrodite Glass Ceramic Electrolyte with High Ionic Conductivity. <i>Advanced Materials</i> , 2022, 34, e2107346.	11.1	34
189	Microstructure and infrared reflectance modulation properties in DC-sputtered tungsten oxide films. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 2213-2219.	1.2	33
190	Bio-templated Fabrication of Highly Defective Carbon Anchored MnO Anode Materials with High Reversible Capacity. <i>Electrochimica Acta</i> , 2015, 169, 159-167.	2.6	33
191	Li ₂ S ₆ -Integrated PEO-Based Polymer Electrolytes for All-Solid-State Lithium-Metal Batteries. <i>Angewandte Chemie</i> , 2021, 133, 17842-17847.	1.6	33
192	Synthesis of hierarchical porous carbon from metal carbonates towards high-performance lithium storage. <i>Green Chemistry</i> , 2018, 20, 1484-1490.	4.6	32
193	Functionalized N-Doped Carbon Nanotube Arrays: Novel Binder-Free Anodes for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18662-18670.	4.0	32
194	Exploring NiCo ₂ S ₄ nanosheets arrays by hydrothermal conversion for enhanced high-rate batteries. <i>Journal of Energy Chemistry</i> , 2019, 35, 132-137.	7.1	32
195	Topological Insulator-Assisted MoSe ₂ /Bi ₂ Se ₃ Heterostructure: Achieving Fast Reaction Kinetics Toward High Rate Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2021, 8, 697-704.	1.7	32
196	Mesoporous Fe ₃ O ₄ @C submicrospheres evolved by a novel self-corrosion mechanism for high-performance lithium-ion batteries. <i>New Journal of Chemistry</i> , 2014, 38, 2428-2434.	1.4	31
197	Integrated reduced graphene oxide multilayer/Li composite anode for rechargeable lithium metal batteries. <i>RSC Advances</i> , 2016, 6, 11657-11664.	1.7	31
198	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

#	ARTICLE	IF	CITATIONS
199	H ₂ O-induced self-propagating synthesis of hierarchical porous carbon: a promising lithium storage material with superior rate capability and ultra-long cycling life. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18221-18229.	5.2	30
200	Ultrafast and durable lithium ion storage enabled by intertwined carbon nanofiber/Ti ₂ Nb ₁₀ O ₂₉ core-shell arrays. <i>Electrochimica Acta</i> , 2020, 332, 135433.	2.6	30
201	Nitrogen doped vertical graphene as metal-free electrocatalyst for hydrogen evolution reaction. <i>Materials Research Bulletin</i> , 2021, 134, 111094.	2.7	30
202	Recent progress on the phase modulation of molybdenum disulphide/diselenide and their applications in electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1418-1428.	5.2	30
203	Novel Construction of Heterostructured FeTiO ₃ /Fe _{2.75} Ti _{0.25} O ₄ Mesoporous Nanodisks with Both High Capacity and Stable Cycling Life for Lithium-Ion Storage. <i>ACS Applied Energy Materials</i> , 2021, 4, 10380-10390.	2.5	29
204	A cleverly designed asymmetrical composite electrolyte via in-situ polymerization for high-performance, dendrite-free solid state lithium metal battery. <i>Chemical Engineering Journal</i> , 2022, 435, 135030.	6.6	29
205	Mesoporous cobalt monoxide nanorods grown on reduced graphene oxide nanosheets with high lithium storage performance. <i>Electrochimica Acta</i> , 2014, 138, 376-382.	2.6	28
206	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
207	Design of pyrite/carbon nanospheres as high-capacity cathode for lithium-ion batteries. <i>Journal of Energy Chemistry</i> , 2020, 40, 1-6.	7.1	27
208	Integrated photo-chargeable electrochromic energy-storage devices. <i>Electrochimica Acta</i> , 2020, 345, 136235.	2.6	27
209	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
210	Facile and scalable synthesis of nanosized core-shell Li ₂ S@C composite for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16653-16660.	5.2	26
211	Vertical Aligned Li ₂ S Graphene Encapsulated within a Carbon Shell as a Free Standing Cathode for Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2017, 23, 11169-11174.	1.7	26
212	Synthesis of boron carbide nanoflakes via a bamboo-based carbon thermal reduction method. <i>Journal of Alloys and Compounds</i> , 2013, 581, 128-132.	2.8	25
213	Graphene oxide modified metallic lithium electrode and its electrochemical performances in lithium-sulfur full batteries and symmetric lithium-metal coin cells. <i>RSC Advances</i> , 2016, 6, 66161-66168.	1.7	25
214	Core-shell structure of porous silicon with nitrogen-doped carbon layer for lithium-ion batteries. <i>Materials Research Bulletin</i> , 2018, 108, 170-175.	2.7	25
215	N-doped carbon nanofibers arrays as advanced electrodes for supercapacitors. <i>Journal of Materials Science and Technology</i> , 2020, 55, 144-151.	5.6	25
216	Rational synthesis of Cr _{0.5} Nb _{24.5} O ₆₂ microspheres as high-rate electrodes for lithium ion batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 511-517.	5.0	25

#	ARTICLE	IF	CITATIONS
217	Application of immune checkpoint inhibitors in EGFR-mutant non-small-cell lung cancer: from bed to bench. <i>Therapeutic Advances in Medical Oncology</i> , 2020, 12, 175883592093033.	1.4	25
218	Self-supported hierarchical porous Li ₄ Ti ₅ O ₁₂ /carbon arrays for boosted lithium ion storage. <i>Journal of Energy Chemistry</i> , 2021, 54, 754-760.	7.1	25
219	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
220	Binder-free carbon fiber/TiNb ₂ O ₇ composite electrode as superior high-rate anode for lithium ions batteries. <i>Chinese Chemical Letters</i> , 2017, 28, 2219-2222.	4.8	24
221	Robust Li _{0.6} /PS _{0.5} Interlayer to Stabilize the Tailored Electrolyte Li _{0.95} /SnP ₂ S _{11.95} F _{0.05} /Li Metal Interface. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30739-30745.	4.0	24
222	In-situ generated Li ₃ N/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
223	Self-supported porous CoO semisphere arrays as binder-free electrodes for high-performance lithium ion batteries. <i>Materials Research Bulletin</i> , 2016, 73, 125-129.	2.7	23
224	Toast-like porous carbon derived from one-step reduction of CaCO ₃ for electrochemical lithium storage. <i>Carbon</i> , 2018, 130, 559-565.	5.4	23
225	Heterovalent Cation Substitution to Enhance the Ionic Conductivity of Halide Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47610-47618.	4.0	23
226	Carbon fiber-incorporated sulfur/carbon ternary cathode for lithium-sulfur batteries with enhanced performance. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1203-1210.	1.2	22
227	Popcorn-like niobium oxide with cloned hierarchical architecture as advanced anode for solid-state lithium ion batteries. <i>Energy Storage Materials</i> , 2020, 25, 695-701.	9.5	22
228	Potassium Hexafluorophosphate Additive Enables Stable Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56017-56026.	4.0	22
229	Sodium-storage behavior of electron-rich element-doped amorphous carbon. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	22
230	Performance Enhancement of a Sulfur/Carbon Cathode by Polydopamine as an Efficient Shell for High-Performance Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2017, 23, 10610-10615.	1.7	21
231	Exploring the Stability Effect of the Co-Substituted P ₂ -Na _{0.67} [Mn _{0.67} Ni _{0.33}] ₂ O ₂ Cathode for Liquid- and Solid-State Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41477-41484.	4.0	21
232	A novel multielement nanocomposite with ultrahigh rate capacity and durable performance for sodium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11598-11606.	5.2	21
233	Supercritical fluid assisted synthesis of titanium carbide particles embedded in mesoporous carbon for advanced Li-S batteries. <i>Journal of Alloys and Compounds</i> , 2017, 706, 227-233.	2.8	20
234	LiBr-Rich Solid Electrolyte Interface Layer on Lithiophilic 3D Framework for Enhanced Lithium Metal Anode. <i>Small Structures</i> , 2022, 3, .	6.9	20

#	ARTICLE	IF	CITATIONS
235	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
236	Boosting fast lithium ion storage of Li ₄ Ti ₅ O ₁₂ by synergistic effect of vertical graphene and nitrogen doping. <i>Journal of Energy Chemistry</i> , 2020, 51, 372-377.	7.1	19
237	Single-Crystal-Layered Ni-Rich Oxide Modified by Phosphate Coating Boosting Interfacial Stability of Li ₁₀ SnP ₂ S ₁₂ -Based All-Solid-State Li Batteries. <i>Small</i> , 2021, 17, e2103830.	5.2	19
238	Enhanced Li ⁺ Storage of Ni ₃ S ₂ Nanowire Arrays with N-Doped Carbon Coating Synthesized by One-Step CVD Process and Investigated Via Ex Situ TEM. <i>Small</i> , 2019, 15, e1904433.	5.2	18
239	TiC/C core/shell nanowires arrays as advanced anode of sodium ion batteries. <i>Chinese Chemical Letters</i> , 2020, 31, 846-850.	4.8	18
240	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
241	Green and Low-Temperature Synthesis of Foam-like Hierarchical Porous Carbon from CO ₂ as Superior Lithium Storage Material. <i>ACS Applied Energy Materials</i> , 2018, 1, 7123-7129.	2.5	17
242	Supercritical CO ₂ -Fluid-Assisted Synthesis of TiO ₂ Quantum Dots/Reduced Graphene Oxide Composites for Outstanding Sodium Storage Capability. <i>ACS Applied Energy Materials</i> , 2018, 1, 7213-7219.	2.5	17
243	Biological Metabolism Synthesis of Metal Oxides Nanorods from Bacteria as a Biofactory toward High-Performance Lithium-Ion Battery Anodes. <i>Small</i> , 2019, 15, e1902032.	5.2	17
244	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
245	Integrated carbon nanospheres arrays as anode materials for boosted sodium ion storage. <i>Green Energy and Environment</i> , 2018, 3, 50-55.	4.7	16
246	Synergistic Doping and Intercalation: Realizing Deep Phase Modulation on MoS ₂ Arrays for High-Efficiency Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2019, 131, 16435-16442.	1.6	16
247	Functionally Modified Polyolefin-Based Separators for Lithium-Sulfur Batteries: Progress and Prospects. <i>Frontiers in Energy Research</i> , 2020, 8, .	1.2	16
248	Building superior layered oxide cathode via rational surface engineering for both liquid & solid-state sodium ion batteries. <i>Chemical Engineering Journal</i> , 2021, 421, 127788.	6.6	16
249	Graphene foam supported LiFePO ₄ nanosheets composite as advanced cathode for lithium ion batteries. <i>Materials Research Bulletin</i> , 2018, 101, 205-209.	2.7	15
250	Atomic Layer Deposition-Assisted Construction of Binder-Free Ni@N-Doped Carbon Nanospheres Films as Advanced Host for Sulfur Cathode. <i>Nano-Micro Letters</i> , 2019, 11, 64.	14.4	15
251	Graphene/TiO ₂ decorated N-doped carbon foam as 3D porous current collector for high loading sulfur cathode. <i>Materials Research Bulletin</i> , 2021, 135, 111129.	2.7	15
252	Biofunctionalized "KiwiFruit" Assembly of Oxidoreductases in Mesoporous ZnO/Carbon Nanoparticles for Efficient Asymmetric Catalysis. <i>Advanced Materials</i> , 2018, 30, 1705443.	11.1	14

#	ARTICLE	IF	CITATIONS
253	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
254	A solar-powered multifunctional and multimode electrochromic smart window based on WO ₃ /Prussian blue complementary structure. <i>Sustainable Materials and Technologies</i> , 2022, 31, e00372.	1.7	14
255	Regulation of the Interfaces Between Argyrodite Solid Electrolytes and Lithium Metal Anode. <i>Frontiers in Chemistry</i> , 2022, 10, 837978.	1.8	14
256	Graphene foam supported V ₂ O ₅ /N-C core/shell arrays as advanced cathode for lithium ion storage. <i>Journal of Alloys and Compounds</i> , 2018, 735, 2022-2029.	2.8	13
257	Implanting Ni into N-doped puffed carbon: A new advanced electrocatalyst for oxygen evolution reaction. <i>Chinese Chemical Letters</i> , 2020, 31, 2230-2234.	4.8	13
258	Self-Healing Properties of Alkali Metals under High-Energy Conditions in Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2100470.	10.2	13
259	Efficacy and Safety of First-Line Treatment Strategies for Anaplastic Lymphoma Kinase-Positive Non-Small Cell Lung Cancer: A Bayesian Network Meta-Analysis. <i>Frontiers in Oncology</i> , 2021, 11, 754768.	1.3	13
260	A Novel Ethanol-Mediated Synthesis of Superionic Halide Electrolytes for High-Voltage All-Solid-State Lithium-Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29844-29855.	4.0	13
261	Argyrodite Solid Electrolyte-Integrated Ni-Rich Oxide Cathode with Enhanced Interfacial Compatibility for All-Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 33361-33369.	4.0	13
262	β-Cyclodextrin-modified porous ceramic membrane with enhanced ionic conductivity and thermal stability for lithium-ion batteries. <i>Ionics</i> , 2020, 26, 173-182.	1.2	12
263	Empowering polypropylene separator with enhanced polysulfide adsorption and reutilization ability for high-performance Li-S batteries. <i>Materials Research Bulletin</i> , 2021, 134, 111108.	2.7	12
264	Transient Receptor Potential Channels and Chronic Airway Inflammatory Diseases: A Comprehensive Review. <i>Lung</i> , 2018, 196, 505-516.	1.4	11
265	Porous TiO ₂ /Co ₉ S ₈ core-branch nanosheet arrays with high electrocatalytic activity for a hydrogen evolution reaction. <i>Nanotechnology</i> , 2019, 30, 404001.	1.3	11
266	Controllable Synthesis of Copper Oxide/Carbon Core/Shell Nanowire Arrays and Their Application for Electrochemical Energy Storage. <i>Nanomaterials</i> , 2015, 5, 1610-1619.	1.9	10
267	Severe asthma and asthma-COPD overlap: a double agent or identical twins?. <i>Journal of Thoracic Disease</i> , 2017, 9, 4798-4805.	0.6	10
268	High-performance Na ₃ V ₂ (PO ₄) ₂ F _{2.5} O _{0.5} cathode: Hybrid reaction mechanism study via ex-situ XRD and sodium storage properties in solid-state batteries. <i>Chemical Engineering Journal</i> , 2021, 423, 130310.	6.6	10
269	Yttrium stabilized argyrodite solid electrolyte with enhanced ionic conductivity and interfacial stability for all-solid-state batteries. <i>Journal of Power Sources</i> , 2022, 543, 231846.	4.0	10
270	Tailored integrated electrodes of graphene foam supported FeS ₂ as cathode for enhanced Li ion storage performance. <i>Materials Technology</i> , 2017, 32, 888-892.	1.5	9

#	ARTICLE	IF	CITATIONS
271	Synthesis of carbon nanoflake/sulfur arrays as cathode materials of lithium-sulfur batteries. <i>Functional Materials Letters</i> , 2018, 11, 1840001.	0.7	9
272	Rational construction of cross-linked porous nickel arrays for efficient oxygen evolution reaction. <i>Chinese Journal of Catalysis</i> , 2019, 40, 1063-1069.	6.9	9
273	Lithium Sulfide as Cathode Materials for Lithium-Ion Batteries: Advances and Challenges. <i>Journal of Chemistry</i> , 2020, 2020, 1-17.	0.9	9
274	Recent advance on Co-based materials for polysulfide catalysis toward promoted lithium-sulfur batteries. <i>Nano Select</i> , 2022, 3, 298-319.	1.9	9
275	High Capacity and Superior Rate Performances Coexisting in Carbon-Based Sodium-Ion Battery Anode. <i>Research</i> , 2019, 2019, 6930294.	2.8	9
276	Co-construction of advanced sulfur host by implanting titanium carbide into <i>Aspergillus niger</i> spore carbon. <i>Chinese Chemical Letters</i> , 2022, 33, 3981-3986.	4.8	9
277	New carbon for electrochemical energy storage and conversion. <i>Functional Materials Letters</i> , 2019, 12, 1950049.	0.7	8
278	Fabrication of three-dimensional porous cobalt network-supported cobalt oxides nanoflake arrays for electrochemical energy storage. <i>Materials Technology</i> , 2016, 31, 532-536.	1.5	7
279	Sand/carbon composites as low-cost lithium storage materials with superior electrochemical performance. <i>New Journal of Chemistry</i> , 2019, 43, 4123-4129.	1.4	7
280	Confined Polysulfides in N-Doped 3D-CNTs Network for High Performance Lithium-Sulfur Batteries. <i>Materials</i> , 2021, 14, 6131.	1.3	7
281	<i>In Situ</i> Synthesis of a Si/CNTs/C Composite by Directly Reacting Magnesium Silicide with Lithium Carbonate for Enhanced Lithium Storage Capability. <i>Energy & Fuels</i> , 2021, 35, 20386-20393.	2.5	7
282	Three-dimensional interconnected cobalt oxide-carbon hollow spheres arrays as cathode materials for hybrid batteries. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 253-257.	1.8	6
283	Carbon nanotubes branch on cobalt oxide nanowires core as enhanced high-rate cathodes of alkaline batteries. <i>Ceramics International</i> , 2018, 44, 16791-16798.	2.3	6
284	First-Line Treatment Options for PD-L1 ⁺ Negative Non-Small Cell Lung Cancer: A Bayesian Network Meta-Analysis. <i>Frontiers in Oncology</i> , 2021, 11, 657545.	1.3	6
285	Optimizing quasi-solid-state sodium storage performance of Na ₃ V ₂ (PO ₄) ₂ F _{2.5} O _{0.5} cathode by structural design plus nitrogen doping. <i>Chemical Engineering Journal</i> , 2022, 433, 133557.	6.6	6
286	Improved Lithium Storage Capability of Si Anode by Ball-Milling Produced Graphitic Carbon Sheet and Fe ₃ O ₄ Nanoparticles. <i>Journal of Electronic Materials</i> , 2022, 51, 4780-4789.	1.0	6
287	Tremella-like porous carbon derived from one-step electroreduction of molten carbonates with superior rate capability for sodium-ion batteries. <i>Ionics</i> , 2020, 26, 2899-2907.	1.2	4
288	Milling Time-Dependent Lithium/Sodium Storage Performance of Carbons Synthesized by a Mechanochemical Reaction. <i>Energy & Fuels</i> , 2021, 35, 4596-4603.	2.5	4

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289	A Three-Dimensional Electrospun Li _{6.4} La ₃ Zr _{1.4} Ta _{0.6} O ₁₂ •Poly (Vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (Pu Batteries. <i>Frontiers in Chemistry</i> , 2021, 9, 751476.	1.8	4
290	Carbon cloth/cobalt oxide integrated electrode as flexible cathode of alkaline batteries. <i>Materials Technology</i> , 2016, 31, 492-496.	1.5	3
291	Anti-IgE therapy as novel target for asthma-COPD overlap syndrome: More questions before celebration. <i>Journal of Asthma</i> , 2017, 54, 113-113.	0.9	3
292	Sodium-Ion Batteries: C-Plasma of Hierarchical Graphene Survives SnS Bundles for Ultrastable and High Volumetric Na-Ion Storage (<i>Adv. Mater.</i> 49/2018). <i>Advanced Materials</i> , 2018, 30, 1870380.	11.1	3
293	Oxygen Evolution: Fe/N Sites Embedded into Carbon Nanofiber Integrated with Electrochemically Exfoliated Graphene for Oxygen Evolution in Acidic Medium (<i>Adv. Energy Mater.</i> 26/2018). <i>Advanced Energy Materials</i> , 2018, 8, 1870119.	10.2	3
294	Grain-boundary corrosion of nickel-based alloy by synchrotron radiation technology. <i>Surface Innovations</i> , 2019, 7, 278-283.	1.4	3
295	Rational synthesis of MoS ₂ nanosheet arrays on carbon fibres for sodium ion storage. <i>Materials Technology</i> , 2020, 35, 509-514.	1.5	3
296	Risk of COVID-19 in Patients With Cancer. <i>JAMA Oncology</i> , 2020, 6, 1469.	3.4	3
297	Evolution of transbronchial needle aspiration technique. <i>Journal of Thoracic Disease</i> , 2015, 7, S224-30.	0.6	3
298	Magnetic resonance imaging of patients with airway stents. <i>Journal of Thoracic Disease</i> , 2018, 10, 5939-5945.	0.6	2
299	Highly porous Li ₄ Ti ₅ O ₁₂ films as high-rate electrodes for fast lithium ion storage. <i>Materials Technology</i> , 2020, 35, 635-641.	1.5	2
300	The Effect of Compaction Density of Sulfur/Carbon Cathodes on the Practical Application of Li-S Pouch Cells. <i>Journal of Electronic Materials</i> , 2022, 51, 4115-4124.	1.0	2
301	Dual immune checkpoint blockade for non-small cell lung cancer patients with PD-L1 high expression: calling an end?. <i>Translational Lung Cancer Research</i> , 2021, 10, 3858-3860.	1.3	1
302	Fabrication of highly ordered porous nickel phosphide films and their application as anode for lithium ion batteries. , 2010, , .		0
303	Frontispiece: Recent Developments of All-Solid-State Lithium Secondary Batteries with Sulfide Inorganic Electrolytes. <i>Chemistry - A European Journal</i> , 2018, 24, .	1.7	0
304	Frontispiece: Porous Carbon Hosts for Lithium•Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	0
305	Synthesis of Carbon Nanoflake/Sulfur Arrays as Cathode Materials of Lithium•Sulfur Batteries. , 2021, , 77-86.		0