Jin-Bao Zhao

List of Publications by Year
in descending order

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		53751	74108
155	7,228	45	75
papers	citations	h-index	g-index

157	157	157	6832
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synergistic Manipulation of Zn²⁺ Ion Flux and Desolvation Effect Enabled by Anodic Growth of a 3D ZnF₂ Matrix for Longâ€Lifespan and Dendriteâ€Free Zn Metal Anodes. Advanced Materials, 2021, 33, e2007388.	11.1	359
2	A rational design of separator with substantially enhanced thermal features for lithium-ion batteries by the polydopamineâ€“ceramic composite modification of polyolefin membranes. Energy and Environmental Science, 2016, 9, 3252-3261.	15.6	246
3	Effect of a thin ceramic-coating layer on thermal and electrochemical properties of polyethylene separator for lithium-ion batteries. Journal of Power Sources, 2014, 270, 547-553.	4.0	216
4	The application of nanostructured transition metal sulfides as anodes for lithium ion batteries. Journal of Energy Chemistry, 2018, 27, 1536-1554.	7.1	212
5	Expanded biomass-derived hard carbon with ultra-stable performance in sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 1513-1522.	5.2	198
6	A high-temperature stable ceramic-coated separator prepared with polyimide binder/Al2O3 particles for lithium-ion batteries. Journal of Membrane Science, 2016, 517, 91-99.	4.1	160
7	The functional separator coated with coreâ€“shell structured silicaâ€“poly(methyl methacrylate) sub-microspheres for lithium-ion batteries. Journal of Membrane Science, 2015, 474, 148-155.	4.1	144
8	The high-temperature and high-humidity storage behaviors and electrochemical degradation mechanism of LiNi0.6Co0.2Mn0.2O2 cathode material for lithium ion batteries. Journal of Power Sources, 2017, 363, 168-176.	4.0	134
9	Ultra-stable and highly reversible aqueous zinc metal anodes with high preferred orientation deposition achieved by a polyanionic hydrogel electrolyte. Energy Storage Materials, 2021, 35, 586-594.	9.5	127
10	Functional separator consisted of polyimide nonwoven fabrics and polyethylene coating layer for lithium-ion batteries. Journal of Power Sources, 2015, 298, 158-165.	4.0	125
11	Electrospun Nanofibers for Sandwiched Polyimide/Poly (vinylidene fluoride)/Polyimide Separators with the Thermal Shutdown Function. Electrochimica Acta, 2015, 176, 727-734.	2.6	121
12	A Facile Electrophoretic Deposition Route to the Fe₃O₄/CNTs/rGO Composite Electrode as a Binder-Free Anode for Lithium Ion Battery. ACS Applied Materials & Interfaces, 2016, 8, 26730-26739.	4.0	114
13	One-Dimensional Cu_{2â€“x}Se Nanorods as the Cathode Material for High-Performance Aluminum-Ion Battery. ACS Applied Materials & Interfaces, 2018, 10, 17942-17949.	4.0	111
14	Hollow porous nanoparticles with Pt skin on a Agâ€“Pt alloy structure as a highly active electrocatalyst for the oxygen reduction reaction. Journal of Materials Chemistry A, 2016, 4, 8803-8811.	5.2	105
15	CuS Microspheres as High-Performance Anode Material for Na-ion Batteries. Electrochimica Acta, 2017, 247, 851-859.	2.6	102
16	Direct Electrophoretic Deposition of Binder-Free Co₃O₄/Graphene Sandwich-Like Hybrid Electrode as Remarkable Lithium Ion Battery Anode. ACS Applied Materials & Interfaces, 2017, 9, 32801-32811.	4.0	100
17	Realizing high reversible capacity: 3D intertwined CNTs inherently conductive network for CuS as an anode for lithium ion batteries. Chemical Engineering Journal, 2018, 332, 49-56.	6.6	99
18	Investigation of the Reversible Intercalation/Deintercalation of Al into the Novel Li₃VO₄@C Microsphere Composite Cathode Material for Aluminum-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 28486-28494.	4.0	98

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19	N, S co-doped biomass derived carbon with sheet-like microstructures for supercapacitors. Electrochimica Acta, 2020, 331, 135348.	2.6	97
20	A Multifunctional Dualâ€Salt Localized Highâ€Concentration Electrolyte for Fast Dynamic Highâ€Voltage Lithium Battery in Wide Temperature Range. Advanced Energy Materials, 2021, 11, 2101775.	10.2	97
21	Achieving Ultrahighâ€Rate and Highâ€Safety Li⁺ Storage Based on Interconnected Tunnel Structure in Microâ€Size Niobium Tungsten Oxides. Advanced Materials, 2020, 32, e1905295.	11.1	95
22	A simple method to prepare a polydopamine modified core-shell structure composite separator for application in high-safety lithium-ion batteries. Journal of Membrane Science, 2016, 518, 168-177.	4.1	91
23	Microwave-assisted Synthesis of CuS/Graphene Composite for Enhanced Lithium Storage Properties. Electrochimica Acta, 2017, 225, 443-451.	2.6	89
24	A high-safety PVDF/Al₂O₃composite separator for Li-ion batteries via tip-induced electrospinning and dip-coating. RSC Advances, 2017, 7, 24410-24416.	1.7	86
25	Synthesis of Oneâ€Dimensional Copper Sulfide Nanorods as Highâ€Performance Anode in Lithium Ion Batteries. ChemSusChem, 2014, 7, 3328-3333.	3.6	80
26	Improving the electrochemical properties of LiNi_{0.5}Co_{0.2}Mn_{0.3}O₂ at 4.6 V cutoff potential by surface coating with Li₂TiO₃ for lithium-ion batteries. Physical Chemistry Chemical Physics, 2015, 17, 32033-32043.	1.3	80
27	Vinyl Ethylene Carbonate as an Effective SEI-Forming Additive in Carbonate-Based Electrolyte for Lithium-Metal Anodes. ACS Applied Materials & Interfaces, 2019, 11, 6118-6125.	4.0	80
28	Nitrogen and oxygen dual-doped hollow carbon nanospheres derived from catechol/polyamine as sulfur hosts for advanced lithium sulfur batteries. Carbon, 2017, 124, 23-33.	5.4	79
29	Achieving ultra-long lifespan Zn metal anodes by manipulating desolvation effect and Zn deposition orientation in a multiple cross-linked hydrogel electrolyte. Energy Storage Materials, 2022, 49, 172-180.	9.5	77
30	A simple and universal method for preparing N, S co-doped biomass derived carbon with superior performance in supercapacitors. Electrochimica Acta, 2019, 309, 34-43.	2.6	73
31	Wadsleyâ€“Roth Crystallographic Shear Structure Niobiumâ€Based Oxides: Promising Anode Materials for Highâ€Safety Lithiumâ€Ion Batteries. Advanced Science, 2021, 8, e2004855.	5.6	70
32	Binder-Free Si Nanoparticle Electrode with 3D Porous Structure Prepared by Electrophoretic Deposition for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 7497-7504.	4.0	68
33	Core-shell structured ceramic nonwoven separators by atomic layer deposition for safe lithium-ion batteries. Applied Surface Science, 2018, 441, 165-173.	3.1	68
34	First-principles study of alkali-metal intercalation in disordered carbon anode materials. Journal of Materials Chemistry A, 2019, 7, 19070-19080.	5.2	68
35	A facile spray drying route for mesoporous Li₃VO₄/C hollow spheres as an anode for long life lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 7165-7168.	5.2	63
36	A Promising Highâ€Voltage Cathode Material Based on Mesoporous Na₃V₂(PO₄)₃/C for Rechargeable Magnesium Batteries. Chemistry - A European Journal, 2017, 23, 16898-16905.	1.7	63

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37	Development and characterization of silica tube-coated separator for lithium ion batteries. Journal of Power Sources, 2015, 284, 10-15.	4.0	62
38	A Modified Ceramic-Coating Separator with High-Temperature Stability for Lithium-Ion Battery. Polymers, 2017, 9, 159.	2.0	61
39	Self-adaptive electrochemical reconstruction boosted exceptional Li⁺ ion storage in a Cu₃P@C anode. Journal of Materials Chemistry A, 2018, 6, 18821-18826.	5.2	60
40	Functional Localized High-Concentration Ether-Based Electrolyte for Stabilizing High-Voltage Lithium-Metal Battery. ACS Applied Materials & Interfaces, 2020, 12, 33710-33718.	4.0	59
41	Novel Single Lithiumâ€Ion Conducting Polymer Electrolyte Based on Poly(hexafluorobutyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2352-2358.	1.7	56
42	Directly Coating a Multifunctional Interlayer on the Cathode via Electrospinning for Advanced Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2017, 9, 29804-29811.	4.0	55
43	Flexible inorganic membranes used as a high thermal safety separator for the lithium-ion battery. RSC Advances, 2018, 8, 4072-4077.	1.7	55
44	Preparation of monodispersed sulfur nanoparticles-partly reduced graphene oxide-polydopamine composite for superior performance lithium-sulfur battery. Carbon, 2017, 114, 8-14.	5.4	53
45	A facile synthesis of copper sulfides composite with lithium-storage properties. Journal of Power Sources, 2015, 281, 185-191.	4.0	51
46	Spray Drying-Assisted Synthesis of Li₃VO₄/C/CNTs Composites for High-Performance Lithium Ion Battery Anodes. Journal of the Electrochemical Society, 2017, 164, A6001-A6006.	1.3	49
47	Deep potential generation scheme and simulation protocol for the Li10GeP2S12-type superionic conductors. Journal of Chemical Physics, 2021, 154, 094703.	1.2	49
48	A Rational Design for a Highâ€Safety Lithiumâ€Ion Battery Assembled with a Heatproofâ€“Fireproof Bifunctional Separator. Advanced Functional Materials, 2021, 31, 2008537.	7.8	48
49	The transport properties of sodium-ion in the low potential platform region of oatmeal-derived hard carbon for sodium-ion batteries. Journal of Alloys and Compounds, 2019, 787, 229-238.	2.8	47
50	A Simple Graphene NH3 Gas Sensor via Laser Direct Writing. Sensors, 2018, 18, 4405.	2.1	46
51	Porous LiNi_{0.5}Mn_{1.5}O₄sphere as 5 V cathode material for lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 16434-16442.	5.2	45
52	Structural evolution of NM (Ni and Mn) lithium-rich layered material revealed by in-situ electrochemical Raman spectroscopic study. Journal of Power Sources, 2016, 310, 85-90.	4.0	45
53	Investigation of the Na Storage Property of One-Dimensional Cu_{2â€“x}Se Nanorods. ACS Applied Materials & Interfaces, 2018, 10, 13491-13498.	4.0	45
54	A Parallel Bicomponent TPU/PI Membrane with Mechanical Strength Enhanced Isotropic Interfaces Used as Polymer Electrolyte for Lithium-Ion Battery. Polymers, 2019, 11, 185.	2.0	45

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55	Constructing fast electron and ion conductive framework for Li2S as advanced lithium sulfur battery. Chemical Engineering Journal, 2018, 346, 57-64.	6.6	44
56	Functional Electrolyte of Fluorinated Ether and Ester for Stabilizing Both 4.5 V LiCoO₂ Cathode and Lithium Metal Anode. ACS Applied Materials & Interfaces, 2020, 12, 8316-8323.	4.0	44
57	Constructing a uniform lithium iodide layer for stabilizing lithium metal anode. Journal of Energy Chemistry, 2021, 55, 129-135.	7.1	44
58	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.	5.2	43
59	Facile Synthesis of Rodâ€like Cu_{2â”’x}Se and Insight into its Improved Lithiumâ€Storage Property. ChemSusChem, 2017, 10, 2235-2241.	3.6	43
60	High sulfur-containing carbon polysulfide polymer as a novel cathode material for lithium-sulfur battery. Scientific Reports, 2017, 7, 11386.	1.6	43
61	Superiority of Single-Crystal to Polycrystalline LiNi_xCo_yMn_{1â€“xâ€“y}O₂ Cathode Materials in Storage Behaviors for Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 14938-14948.	3.2	43
62	High sulfur loading lithiumâ€“sulfur batteries based on a upper current collector electrode with lithium-ion conductive polymers. Journal of Materials Chemistry A, 2017, 5, 97-101.	5.2	41
63	Polystyrene-template-assisted synthesis of Li3VO4/C/rGO ternary composite with honeycomb-like structure for durable high-rate lithium ion battery anode materials. Electrochimica Acta, 2017, 247, 771-778.	2.6	40
64	Li3VO4: an insertion anode material for magnesium ion batteries with high specific capacity. Electrochimica Acta, 2017, 247, 265-270.	2.6	40
65	Prussian Blue: A Potential Material to Improve the Electrochemical Performance of Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2017, 9, 4397-4403.	4.0	38
66	VGCF 3D conducting host coating on glass fiber filters for lithium metal anodes. Chemical Communications, 2018, 54, 1178-1181.	2.2	38
67	Ether based electrolyte improves the performance of CuFeS2 spike-like nanorods as a novel anode for lithium storage. Electrochimica Acta, 2015, 158, 368-373.	2.6	36
68	A bifunctional electrolyte additive for H₂O/HF scavenging and enhanced graphite/LiNi_{0.5}Co_{0.2}Mn_{0.3}O₂ cell performance at a high voltage. Sustainable Energy and Fuels, 2018, 2, 1481-1490.	2.5	36
69	A stable artificial protective layer for high capacity dendrite-free lithium metal anode. Nano Research, 2019, 12, 2535-2542.	5.8	35
70	A homogeneous intergrown material of LiMn2O4 and LiNi0.5Mn1.5O4 as a cathode material for lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 2353-2360.	5.2	33
71	Silicon-multi-walled carbon nanotubes-carbon microspherical composite as high-performance anode for lithium-ion batteries. Journal of Materials Science, 2017, 52, 3630-3641.	1.7	33
72	Single-Crystal Ni-Rich Layered LiNi_{0.9}Mn_{0.1}O₂ Enables Superior Performance of Co-Free Cathodes for Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2022, 10, 4381-4390.	3.2	33

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73	Pre-irradiation grafted single lithium-ion conducting polymer electrolyte based on poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overloc	1.3	32
74	Single-crystal structure helps enhance the thermal performance of Ni-rich layered cathode materials for lithium-ion batteries. Chemical Engineering Journal, 2022, 434, 134638.	6.6	32
75	Electrochemical Degradation Mechanism and Thermal Behaviors of the Stored LiNi_{0.5}Co_{0.2}Mn_{0.3}O₂ Cathode Materials. ACS Applied Materials & Interfaces, 2018, 10, 25454-25464.	4.0	31
76	Promoting kinetics of polysulfides redox reactions by the multifunctional CoS/C/CNT microspheres for high-performance lithium-sulfur batteries. Applied Surface Science, 2020, 504, 144463.	3.1	31
77	Binderâ€Free Carbonâ€Coated Siliconâ€“Reduced Graphene Oxide Nanocomposite Electrode Prepared by Electrophoretic Deposition as a Highâ€Performance Anode for Lithiumâ€Ion Batteries. ChemElectroChem, 2016, 3, 757-763.	1.7	30
78	Self-templating thermolysis synthesis of Cu2â€“xS@M (M = C, TiO2, MoS2) hollow spheres and their application in rechargeable lithium batteries. Nano Research, 2018, 11, 831-844.	5.8	30
79	A detailed thermal study of usual LiNi 0.5 Co 0.2 Mn 0.3 O 2 , LiMn 2 O 4 and LiFePO 4 cathode materials for lithium ion batteries. Journal of Energy Storage, 2017, 12, 37-44.	3.9	28
80	Semiâ€Interpenetrating Networkâ€Structured Singleâ€Ion Conduction Polymer Electrolyte for Lithiumâ€Ion Batteries. ChemElectroChem, 2019, 6, 4483-4490.	1.7	28
81	NaV6O15: A promising cathode material for insertion/extraction of Mg2+ with excellent cycling performance. Nano Research, 2020, 13, 335-343.	5.8	28
82	New Insight into the Interaction between Carbonate-based Electrolyte and Cuprous Sulfide Electrode Material for Lithium Ion Batteries. Electrochimica Acta, 2015, 174, 1079-1087.	2.6	27
83	Effects of Li₂MnO₃coating on the high-voltage electrochemical performance and stability of Ni-rich layer cathode materials for lithium-ion batteries. RSC Advances, 2016, 6, 22625-22632.	1.7	27
84	Strengthening dendrite suppression in lithium metal anode by in-situ construction of Liâ€“Zn alloy layer. Electrochemistry Communications, 2019, 108, 106565.	2.3	27
85	An effective electrolyte design to improve the high-voltage performance of high-capacity NCM811 / SiOx-Gr batteries. Electrochimica Acta, 2020, 349, 136356.	2.6	27
86	Thermal Synergy Effect between LiNi_{0.5}Co_{0.2}Mn_{0.3}O₂ and LiMn₂O₄ Enhances the Safety of Blended Cathode for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 20147-20156.	4.0	26
87	Insights into the Mg storage property and mechanism based on the honeycomb-like structured Na3V2(PO4)3/C/G in anhydrous electrolyte. Chemical Engineering Journal, 2019, 372, 37-45.	6.6	26
88	Modeling analysis of the effect of battery design on internal short circuit hazard in LiNi0.8Co0.1Mn0.1O2/SiOx-graphite lithium ion batteries. International Journal of Heat and Mass Transfer, 2020, 153, 119590.	2.5	26
89	Synchronous Manipulation of Ion and Electron Transfer in Wadsleyâ€“Roth Phase Tiâ€Nb Oxides for Fastâ€Charging Lithiumâ€Ion Batteries. Advanced Science, 2022, 9, e2104530.	5.6	26
90	Pt skin coated hollow Ag-Pt bimetallic nanoparticles with high catalytic activity for oxygen reduction reaction. Journal of Power Sources, 2017, 365, 17-25.	4.0	25

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91	Threeâ€Dimensional Graphene/Ag Aerogel for Durable and Stable Li Metal Anodes in Carbonateâ€Based Electrolytes. Chemistry - A European Journal, 2019, 25, 5036-5042.	1.7	25
92	Refining Interfaces between Electrolyte and Both Electrodes with Carbon Nanotube Paper for High-Loading Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2019, 11, 6986-6994.	4.0	25
93	Study on thermal stability of nickel-rich/silicon-graphite large capacity lithium ion battery. Applied Thermal Engineering, 2019, 161, 114144.	3.0	24
94	Three-Dimensional Coating Layer Modified Polyolefin Ceramic-Coated Separators to Enhance the Safety Performance of Lithium-Ion Batteries. Journal of the Electrochemical Society, 2019, 166, A2111-A2120.	1.3	24
95	An Innovative Lithium Ion Battery System Based on a Cu₂S Anode Material. ACS Applied Materials & Interfaces, 2020, 12, 17396-17405.	4.0	24
96	High-rate performance magnesium batteries achieved by direct growth of honeycomb-like V2O5 electrodes with rich oxygen vacancies. Nano Research, 2023, 16, 4880-4887.	5.8	24
97	Promote the conductivity of solid polymer electrolyte at room temperature by constructing a dual range ionic conduction path. Journal of Energy Chemistry, 2022, 64, 395-403.	7.1	24
98	In-situ probing the near-surface structural thermal stability of high-nickel layered cathode materials. Energy Storage Materials, 2022, 46, 90-99.	9.5	24
99	Synergistic Effect between LiNi_{0.5}Co_{0.2}Mn_{0.3}O₂ and LiFe_{0.15}Mn_{0.85}PO₄/C on Rate and Thermal Performance for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 16458-16466.	4.0	23
100	Prediction of the heavy charging current effect on nickel-rich/silicon-graphite power batteries based on adiabatic rate calorimetry measurement. Journal of Power Sources, 2019, 438, 226971.	4.0	23
101	Layered Ag-graphene films synthesized by Gamma ray irradiation for stable lithium metal anodes in carbonate-based electrolytes. Journal of Energy Chemistry, 2022, 64, 354-363.	7.1	23
102	An Effective Electrolyte Strategy To Improve the High-Voltage Performance of LiCoO₂ Cathode Materials. ACS Applied Energy Materials, 2019, 2, 4683-4691.	2.5	22
103	TiO2â€“MoS2 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.	1.1	21
104	Rational Method for Improving the Performance of Lithiumâ€Sulfur Batteries: Coating the Separator with Lithium Fluoride. ChemElectroChem, 2017, 4, 1535-1543.	1.7	21
105	A novel single-ion conductor gel polymer electrolyte prepared by co-irradiation grafting and electrospinning process. Solid State Ionics, 2020, 347, 115246.	1.3	21
106	The functional separator for lithium-ion batteries based on phosphonate modified nano-scale silica ceramic particles. Journal of Power Sources, 2021, 498, 229908.	4.0	21
107	A long cycle-life Na-Mg hybrid battery with a chlorine-free electrolyte based on Mg(TFSI)2. Electrochimica Acta, 2018, 284, 1-9.	2.6	20
108	Alleviating the Storage Instability of LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ Cathode Materials by Surface Modification with Poly(acrylic acid). ACS Sustainable Chemistry and Engineering, 2021, 9, 7466-7478.	3.2	20

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109	Insight into the Redox Reaction Heterogeneity within Secondary Particles of Nickel-Rich Layered Cathode Materials. ACS Applied Materials & Interfaces, 2021, 13, 27074-27084.	4.0	20
110	A homogenous solid polymer electrolyte prepared by facile spray drying method is used for room-temperature solid lithium metal batteries. Nano Research, 2023, 16, 5080-5086.	5.8	20
111	Preparation of One-dimensional Bamboo-like Cu2-xS@C Nanorods with Enhanced Lithium Storage Properties. Electrochimica Acta, 2017, 247, 271-280.	2.6	19
112	The facile preparation of hollow Fe3O4/C/CNT microspheres assisted by the spray drying method as an anode material for lithium-ion batteries. Journal of Materials Science, 2018, 53, 16447-16457.	1.7	19
113	Pre-blended conductive agent to effectively improve the storage properties of LiNi0.6Co0.2Mn0.2O2 cathode materials. Journal of Power Sources, 2020, 448, 227445.	4.0	18
114	Anion-Containing Solvation Structure Reconfiguration Enables Wide-Temperature Electrolyte for High-Energy-Density Lithium-Metal Batteries. ACS Applied Materials & Interfaces, 2022, 14, 19056-19066.	4.0	18
115	Ten Thousand-Cycle Ultrafast Energy Storage of Wadsleyâ€“Roth Phase Feâ€“Nb Oxides with a Desolvation Promoting Interfacial Layer. Nano Letters, 2021, 21, 9675-9683.	4.5	17
116	Ag-modified hydrogen titanate nanowire arrays for stable lithium metal anode in a carbonate-based electrolyte. Journal of Energy Chemistry, 2021, 54, 282-290.	7.1	16
117	Enhancing Catalytic Conversion of Polysulfides by Hollow Bimetallic Oxide-Based Heterostructure Nanocages for Lithium-Sulfur Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 10392-10402.	3.2	15
118	Deep Insight into Electrochemical Kinetics of Cowpeaâ€Like Li₃VO₄@C Nanowires as Highâ€Rate Anode Materials for Lithiumâ€Ion Batteries. ChemElectroChem, 2019, 6, 3920-3927.	1.7	14
119	Rod-shaped Cu_{1.81}Te as a novel cathode material for aluminum-ion batteries. Dalton Transactions, 2020, 49, 729-736.	1.6	14
120	A reinforced ceramic-coated separator by overall-covered modification of electron-insulated polypyrrole for the safe performance of lithium-ion batteries. Materials Chemistry Frontiers, 2021, 5, 1884-1894.	3.2	14
121	Insight into the Kinetic Degradation of Stored Nickel-Rich Layered Cathode Materials for Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 10547-10556.	3.2	14
122	Achieving a Stable Solid Electrolyte Interphase and Enhanced Thermal Stability by a Dual-Functional Electrolyte Additive toward a High-Loading LiNi_{0.8}Mn_{0.1}Co_{0.1}O₂ /Lithium Pouch Battery. ACS Applied Materials & Interfaces, 2021, 13, 57142-57152.	4.0	14
123	Electrophoretic Deposition of MnO_x@Carbon Nanotubes Film with Nestâ€Like Structure as Highâ€Performance Anode for Lithiumâ€Ion Batteries. ChemElectroChem, 2017, 4, 679-685.	1.7	13
124	Phenyl TrifluoroMethane sulfonate as a novel electrolyte additive for enhancing performance of LiNi0Â·6Co0Â·2Mn0Â·2O2/Graphite cells working in wide temperature ranges. Journal of Power Sources, 2021, 487, 229416.	4.0	13
125	The apparent capacity decay by kinetic degradation of LiNi0.5Co0.2Mn0.3O2 during cycling under the high upper-limit charging potential. Journal of Power Sources, 2021, 496, 229856.	4.0	13
126	Platinum Nanoparticles Dispersed on High-Surface-Area Roelike Nitrogen-Doped Mesoporous Carbon for Oxygen Reduction Reaction. ACS Applied Energy Materials, 2018, 1, 6198-6207.	2.5	12

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127	Magnesium Borate Fiber Coating Separators with High Lithiumâ€Ion Transference Number for Lithiumâ€Ion Batteries. ChemElectroChem, 2020, 7, 1187-1192.	1.7	12
128	Self-Standing N-Doped Carbonized Cellulose Fiber as a Dual-Functional Host for Lithium Metal Anodes. ACS Sustainable Chemistry and Engineering, 2021, 9, 2326-2337.	3.2	12
129	Facile Fabrication of Functionalized Separators for Lithium-Ion Batteries with Ionic Conduction Path Modifications via the Î³-Ray Co-irradiation Grafting Process. ACS Applied Materials & Interfaces, 2021, 13, 27663-27673.	4.0	12
130	Ultralong-Lifespan Magnesium Batteries Enabled by the Synergetic Manipulation of Oxygen Vacancies and Electronic Conduction. ACS Applied Materials & Interfaces, 2021, 13, 12049-12058.	4.0	11
131	Highly stable and robust bi-electrodes interfacial protective films for practical lithium metal batteries. Journal of Power Sources, 2021, 509, 230370.	4.0	11
132	Preparation of single-ion conductor solid polymer electrolyte by multi-nozzle electrospinning process for lithium-ion batteries. Journal of Physics and Chemistry of Solids, 2021, 158, 110229.	1.9	11
133	Ultrafast One-Pot Air Atmospheric Solution Combustion Approach To Fabricate Mesoporous Metal Sulfide/Carbon Composites with Enhanced Lithium Storage Properties. ACS Applied Energy Materials, 2018, 1, 6190-6197.	2.5	9
134	Constructing Ionâ€Selective Coating Layer with Lithium Ion Conductor LLZO and Binder Liâ€Nafion for Separator Used in Lithiumâ€Sulfur Batteries. ChemElectroChem, 2022, 9, .	1.7	8
135	Modification of a Cu Mesh with Nanowires and Magnesiophilic Ag Sites to Induce Uniform Magnesium Deposition. ACS Applied Materials & Interfaces, 2022, 14, 31148-31159.	4.0	8
136	Application of MXenes in lithium-sulfur batteries. Science China Technological Sciences, 2022, 65, 2259-2273.	2.0	8
137	Templateâ€Assisted Synthesis of Honeycombâ€Like CoFe₂O₄/CNTs/rGO Composite as Anode Material for Li/Naâ€Ion Batteries. ChemElectroChem, 2019, 6, 3468-3477.	1.7	7
138	Distinct capacity fade modes of Nickel-rich/Graphite-SiOx power lithium ion battery. Journal of Energy Storage, 2022, 47, 103830.	3.9	7
139	Silver Copper Oxide Nanowires by Electrodeposition for Stable Lithium Metal Anode in Carbonate-Based Electrolytes. ACS Sustainable Chemistry and Engineering, 2022, 10, 7196-7204.	3.2	7
140	A novel solid electrolyte formed by NASICON-type Li₃Zr₂Si₂PO12 and poly(vinylidene fluoride) for solid state batteries. Functional Materials Letters, 2021, 14, 2140001.	0.7	6
141	New UV-initiated lithiated-interpenetrating network gel-polymer electrolytes for lithium-metal batteries. Journal of Power Sources, 2022, 541, 231681.	4.0	6
142	Bifunctional Lithium Carboxylate for Stabilizing Both Lithium-Metal Anode and High-Voltage Cathode in Ether Electrolyte. ACS Applied Materials & Interfaces, 2019, 11, 39715-39721.	4.0	5
143	Improving the electrochemical performance of Li_{1.2}Mn_{0.52}Co_{0.13}Ni_{0.13}O₂ by surface nitrogen doping via plasma treatment. RSC Advances, 2016, 6, 31014-31018.	1.7	4
144	Insight into thermal behavior mechanism of Li3VO4 anode for safety design of Li-Ion batteries. Journal of Alloys and Compounds, 2021, 856, 157363.	2.8	4

#	Article	IF	Citations
145	From Mosaic-Type to Heterojunction-Type SEI Films on the Li Anode: Decoupling Chemical and Electrochemical Degradation of the Electrolyte. ACS Sustainable Chemistry and Engineering, 2022, 10, 9232-9241.	3.2	4
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152	Uniform Li Plating/Stripping within Ni Macropore Arrays Enabled by Regulated Electric Field Distribution for Ultra-Stable Li-Metal Anodes. IScience, 2020, 23, 101089.	1.9	1
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