

# Jiang Zhou

## List of Publications by Citations

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140  
papers

11,496  
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152  
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16,461  
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
140	Recent Advances in Aqueous Zinc-Ion Batteries. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 2480-2501	20.1	959
139	Issues and opportunities facing aqueous zinc-ion batteries. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 3288-3304	35.4	645
138	Li <sup>+</sup> intercalated V <sub>2</sub> O <sub>5</sub> ·nH <sub>2</sub> O with enlarged layer spacing and fast ion diffusion as an aqueous zinc-ion battery cathode. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 3157-3162	35.4	535
137	Manipulating the ion-transfer kinetics and interface stability for high-performance zinc metal anodes. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 503-510	35.4	378
136	Suppressing Manganese Dissolution in Potassium Manganate with Rich Oxygen Defects Engaged High-Energy-Density and Durable Aqueous Zinc-Ion Battery. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808375	15.6	345
135	Potassium vanadates with stable structure and fast ion diffusion channel as cathode for rechargeable aqueous zinc-ion batteries. <i>Nano Energy</i> , <b>2018</b> , 51, 579-587	17.1	291
134	Observation of Pseudocapacitive Effect and Fast Ion Diffusion in Bimetallic Sulfides as an Advanced Sodium-Ion Battery Anode. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703155	21.8	284
133	Metal Organic Framework-Templated Synthesis of Bimetallic Selenides with Rich Phase Boundaries for Sodium-Ion Storage and Oxygen Evolution Reaction. <i>ACS Nano</i> , <b>2019</b> , 13, 5635-5645	16.7	247
132	A Sieve-Functional and Uniform-Porous Kaolin Layer toward Stable Zinc Metal Anode. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000599	15.6	231
131	Investigation of VO as a low-cost rechargeable aqueous zinc ion battery cathode. <i>Chemical Communications</i> , <b>2018</b> , 54, 4457-4460	5.8	225
130	Transition metal ion-preintercalated V <sub>2</sub> O <sub>5</sub> as high-performance aqueous zinc-ion battery cathode with broad temperature adaptability. <i>Nano Energy</i> , <b>2019</b> , 61, 617-625	17.1	205
129	Pilotaxitic Na <sub>1.1</sub> V <sub>3</sub> O <sub>7.9</sub> nanoribbons/graphene as high-performance sodium ion battery and aqueous zinc ion battery cathode. <i>Energy Storage Materials</i> , <b>2018</b> , 13, 168-174	19.4	203
128	VO Nanospheres with Mixed Vanadium Valences as High Electrochemically Active Aqueous Zinc-Ion Battery Cathode. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 25	19.5	197
127	Binder-free stainless steel@Mn <sub>3</sub> O <sub>4</sub> nanoflower composite: a high-activity aqueous zinc-ion battery cathode with high-capacity and long-cycle-life. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 9677-9683	13	196
126	MOFs nanosheets derived porous metal oxide-coated three-dimensional substrates for lithium-ion battery applications. <i>Nano Energy</i> , <b>2016</b> , 26, 57-65	17.1	187
125	Fundamentals and perspectives in developing zinc-ion battery electrolytes: a comprehensive review. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 4625-4665	35.4	176
124	Issues and Future Perspective on Zinc Metal Anode for Rechargeable Aqueous Zinc-ion Batteries. <i>Energy and Environmental Materials</i> , <b>2020</b> , 3, 146-159	13	171

123	Nitrogen-Doped Carbon for Sodium-Ion Battery Anode by Self-Etching and Graphitization of Bimetallic MOF-Based Composite. <i>CheM</i> , <b>2017</b> , 3, 152-163	16.2	171
122	Mechanistic Insights of Zn <sup>2+</sup> Storage in Sodium Vanadates. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 180181921.8	16.7	167
121	Engineering the interplanar spacing of ammonium vanadates as a high-performance aqueous zinc-ion battery cathode. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 940-945	13	164
120	Spatially homogeneous copper foam as surface dendrite-free host for zinc metal anode. <i>Chemical Engineering Journal</i> , <b>2020</b> , 379, 122248	14.7	160
119	Ion-confinement effect enabled by gel electrolyte for highly reversible dendrite-free zinc metal anode. <i>Energy Storage Materials</i> , <b>2020</b> , 27, 109-116	19.4	153
118	Electrochemically induced cationic defect in MnO intercalation cathode for aqueous zinc-ion battery. <i>Energy Storage Materials</i> , <b>2020</b> , 24, 394-401	19.4	141
117	Two-dimensional hybrid nanosheets of few layered MoSe <sub>2</sub> on reduced graphene oxide as anodes for long-cycle-life lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 15302-15308	13	139
116	Zn/MnO <sub>2</sub> battery chemistry with dissolution-deposition mechanism. <i>Materials Today Energy</i> , <b>2020</b> , 16, 100396	7	135
115	Anode Materials for Aqueous Zinc Ion Batteries: Mechanisms, Properties, and Perspectives. <i>ACS Nano</i> , <b>2020</b> ,	16.7	133
114	Two-dimensional NiCo <sub>2</sub> O <sub>4</sub> nanosheet-coated three-dimensional graphene networks for high-rate, long-cycle-life supercapacitors. <i>Nanoscale</i> , <b>2015</b> , 7, 7035-9	7.7	126
113	Caging NaV(PO) <sub>4</sub> F Microcubes in Cross-Linked Graphene Enabling Ultrafast Sodium Storage and Long-Term Cycling. <i>Advanced Science</i> , <b>2018</b> , 5, 1800680	13.6	125
112	Cell-like-carbon-micro-spheres for robust potassium anode. <i>National Science Review</i> , <b>2021</b> , 8, nwaa276	10.8	121
111	Surface-Preferred Crystal Plane for a Stable and Reversible Zinc Anode. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100187	24	121
110	Electrolyte Strategies toward Better Zinc-Ion Batteries. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 1015-1033	20.1	119
109	Metal-organic framework-templated two-dimensional hybrid bimetallic metal oxides with enhanced lithium/sodium storage capability. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 13983-13993	13	117
108	Nitrogen-doped TiO <sub>2</sub> nanospheres for advanced sodium-ion battery and sodium-ion capacitor applications. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 18278-18283	13	111
107	Cathode Interfacial Layer Formation Electrochemically Charging in Aqueous Zinc-Ion Battery. <i>ACS Nano</i> , <b>2019</b> , 13, 13456-13464	16.7	110
106	Observation of combination displacement/intercalation reaction in aqueous zinc-ion battery. <i>Energy Storage Materials</i> , <b>2019</b> , 18, 10-14	19.4	108

105	Fundamentals and perspectives of electrolyte additives for aqueous zinc-ion batteries. <i>Energy Storage Materials</i> , <b>2021</b> , 34, 545-562	19.4	102
104	Interfacial adsorption/insertion mechanism induced by phase boundary toward better aqueous Zn-ion battery. <i>Information Materials</i> , <b>2021</b> , 3, 1028-1036	23.1	101
103	Mesoporous NiCo <sub>2</sub> O <sub>4</sub> nanoneedles grown on three dimensional graphene networks as binder-free electrode for high-performance lithium-ion batteries and supercapacitors. <i>Electrochimica Acta</i> , <b>2015</b> , 176, 1-9	6.7	100
102	Oxygen Defects in MnO <sub>2</sub> Enabling High-Performance Rechargeable Aqueous Zinc/Manganese Dioxide Battery. <i>IScience</i> , <b>2020</b> , 23, 100797	6.1	99
101	Nanoflake-constructed porous Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C hierarchical microspheres as a bicontinuous cathode for sodium-ion batteries applications. <i>Nano Energy</i> , <b>2019</b> , 60, 312-323	17.1	97
100	Inorganic Colloidal Electrolyte for Highly Robust Zinc-Ion Batteries. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 69	19.5	95
99	Simultaneous Cationic and Anionic Redox Reactions Mechanism Enabling High-Rate Long-Life Aqueous Zinc-Ion Battery. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1905267	15.6	93
98	Chemical Synthesis of 3D Graphene-Like Cages for Sodium-Ion Batteries Applications. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700797	21.8	91
97	Metal-organic framework-derived porous shuttle-like vanadium oxides for sodium-ion battery application. <i>Nano Research</i> , <b>2018</b> , 11, 449-463	10	85
96	Nb <sub>2</sub> O <sub>5</sub> quantum dots embedded in MOF derived nitrogen-doped porous carbon for advanced hybrid supercapacitor applications. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 17838-17847	13	83
95	pH-Buffer Contained Electrolyte for Self-Adjusted Cathode-Free Zn/MnO <sub>2</sub> Batteries with Coexistence of Dual Mechanisms. <i>Small Structures</i> , 2100119	8.7	81
94	Oxygen-Incorporated MoS <sub>2</sub> Nanosheets with Expanded Interlayers for Hydrogen Evolution Reaction and Pseudocapacitor Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 33681-33689	9.5	80
93	Nitrogen doped hollow MoS <sub>2</sub> /C nanospheres as anode for long-life sodium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2017</b> , 327, 522-529	14.7	77
92	Ultra-High Mass-Loading Cathode for Aqueous Zinc-Ion Battery Based on Graphene-Wrapped Aluminum Vanadate Nanobelts. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 69	19.5	74
91	Homogeneous Deposition of Zinc on Three-Dimensional Porous Copper Foam as a Superior Zinc Metal Anode. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 17737-17746	8.3	74
90	High-performance sodium-ion batteries and flexible sodium-ion capacitors based on Sb <sub>2</sub> X <sub>3</sub> (X = O, S)/carbon fiber cloth. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 9169-9176	13	72
89	PVP-assisted synthesis of MoS <sub>2</sub> nanosheets with improved lithium storage properties. <i>CrystEngComm</i> , <b>2013</b> , 15, 4998	3.3	70
88	Electrochemical Activation of Manganese-Based Cathode in Aqueous Zinc-Ion Electrolyte. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002711	15.6	68

87	Structural perspective on revealing energy storage behaviors of silver vanadate cathodes in aqueous zinc-ion batteries. <i>Acta Materialia</i> , <b>2019</b> , 180, 51-59	8.4	61
86	Surface-substituted Prussian blue analogue cathode for sustainable potassium-ion batteries. <i>Nature Sustainability</i> ,	22.1	59
85	Structural Modification of V <sub>2</sub> O <sub>5</sub> as High-Performance Aqueous Zinc-Ion Battery Cathode. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A480-A486	3.9	55
84	Integrated All-in-one Strategy to stabilize zinc anodes for high-performance zinc-ion batteries.. <i>National Science Review</i> , <b>2022</b> , 9, nwab177	10.8	54
83	Reversible Zn-driven reduction displacement reaction in aqueous zinc-ion battery. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 7355-7359	13	52
82	Facile synthesis of potassium vanadate cathode material with superior cycling stability for lithium ion batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 275, 694-701	8.9	49
81	Hierarchically Structured Nitrogen-Doped Carbon Microspheres for Advanced Potassium Ion Batteries <b>2020</b> , 2, 853-860		49
80	Prospects of Electrode Materials and Electrolytes for Practical Potassium-Based Batteries.. <i>Small Methods</i> , <b>2021</b> , 5, e2101131	12.8	49
79	Suppressing by-product via stratified adsorption effect to assist highly reversible zinc anode in aqueous electrolyte. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 55, 549-556	12	49
78	Regulating Solvent Molecule Coordination with KPF for Superstable Graphite Potassium Anodes. <i>ACS Nano</i> , <b>2021</b> , 15, 9167-9175	16.7	48
77	Highly Reversible Phase Transition Endows V <sub>6</sub> O <sub>13</sub> with Enhanced Performance as Aqueous Zinc-Ion Battery Cathode. <i>Energy Technology</i> , <b>2019</b> , 7, 1900022	3.5	47
76	Controllable synthesis of highly uniform cuboid-shape MOFs and their derivatives for lithium-ion battery and photocatalysis applications. <i>Chemical Engineering Journal</i> , <b>2017</b> , 322, 281-292	14.7	45
75	Polyimide/metal-organic framework hybrid for high performance Al - Organic battery. <i>Energy Storage Materials</i> , <b>2020</b> , 31, 58-63	19.4	45
74	Synthesis of mesoporous Na <sub>0.33</sub> V <sub>2</sub> O <sub>5</sub> with enhanced electrochemical performance for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 130, 119-126	6.7	42
73	Chrysanthemum-like Bi <sub>2</sub> S <sub>3</sub> nanostructures: A promising anode material for lithium-ion batteries and sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 715, 432-437	5.7	40
72	Synthesis of polycrystalline K <sub>0.25</sub> V <sub>2</sub> O <sub>5</sub> nanoparticles as cathode for aqueous zinc-ion battery. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 801, 82-89	5.7	40
71	Layered hydrated vanadium oxide as highly reversible intercalation cathode for aqueous Zn-ion batteries <b>2020</b> , 2, 294-301		40
70	Ultrathin Na <sub>1.1</sub> V <sub>3</sub> O <sub>7.9</sub> nanobelts with superior performance as cathode materials for lithium-ion batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 8704-9	9.5	40

69	Highly Dispersed Cobalt Nanoparticles Embedded in Nitrogen-Doped Graphitized Carbon for Fast and Durable Potassium Storage. <i>Nano-Micro Letters</i> , <b>2020</b> , 13, 21	19.5	39
68	Interfacial Engineering Strategy for High-Performance Zn Metal Anodes. <i>Nano-Micro Letters</i> , <b>2021</b> , 14, 6	19.5	38
67	Design Strategies for High-Energy-Density Aqueous Zinc Batteries.. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	37
66	Facile synthesis of Ag/AgVO <sub>3</sub> hybrid nanorods with enhanced electrochemical performance as cathode material for lithium batteries. <i>Journal of Power Sources</i> , <b>2013</b> , 228, 178-184	8.9	36
65	Graphene oxide templated nitrogen-doped carbon nanosheets with superior rate capability for sodium ion batteries. <i>Carbon</i> , <b>2017</b> , 122, 82-91	10.4	35
64	Hydrothermal synthesis of Ag/AgVO <sub>3</sub> nanobelts with enhanced performance as a cathode material for lithium batteries. <i>CrystEngComm</i> , <b>2013</b> , 15, 9869	3.3	31
63	Tuning Zn <sup>2+</sup> coordination tunnel by hierarchical gel electrolyte for dendrite-free zinc anode. <i>Science Bulletin</i> , <b>2022</b> ,	10.6	31
62	Na <sub>0.282</sub> V <sub>2</sub> O <sub>5</sub> : A high-performance cathode material for rechargeable lithium batteries and sodium batteries. <i>Journal of Power Sources</i> , <b>2016</b> , 328, 241-249	8.9	31
61	Fabrication of an Inexpensive Hydrophilic Bridge on a Carbon Substrate and Loading Vanadium Sulfides for Flexible Aqueous Zinc-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 36676-36684 <sup>20</sup>	9.5	30
60	Mechanistic Insights of Mg <sup>2+</sup> -Electrolyte Additive for High-Energy and Long-Life Zinc-Ion Hybrid Capacitors. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2101158	21.8	30
59	Electrochemical Study of Poly(2,6-Anthraquinonyl Sulfide) as Cathode for Alkali-Metal-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2002780	21.8	28
58	The general synthesis of Ag nanoparticles anchored on silver vanadium oxides: towards high performance cathodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 11029-11034	13	27
57	SbVO <sub>4</sub> based high capacity potassium anode: a combination of conversion and alloying reactions. <i>Science China Chemistry</i> , <b>2021</b> , 64, 238-244	7.9	27
56	Three-dimensional Zn <sub>3</sub> V <sub>3</sub> O <sub>8</sub> /carbon fiber cloth composites as binder-free anode for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 246, 97-105	6.7	26
55	Guest Pre-intercalation Strategy to Boost the Electrochemical Performance of Aqueous Zinc-ion Battery Cathodes. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2020</b> , 2005020-0	3.8	26
54	Enlarged interlayer spacing and enhanced capacitive behavior of a carbon anode for superior potassium storage. <i>Science Bulletin</i> , <b>2020</b> , 65, 2014-2021	10.6	25
53	Interlayer Doping in Layered Vanadium Oxides for Low-cost Energy Storage: Sodium-ion Batteries and Aqueous Zinc-ion Batteries. <i>ChemNanoMat</i> , <b>2020</b> , 6, 1553-1566	3.5	25
52	General synthesis of three-dimensional alkali metal vanadate aerogels with superior lithium storage properties. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 14408-14415	13	24

51	Organic-Inorganic Hybrid Cathode with Dual Energy Storage Mechanism for Ultra-High-Rate and Ultra-Long-Life Aqueous Zinc-Ion Batteries. <i>Advanced Materials</i> , <b>2021</b> , e2105452	24	24
50	Cross-Linked Hollow Graphitic Carbon as Low-Cost and High-Performance Anode for Potassium Ion Batteries. <i>Energy and Environmental Materials</i> , <b>2021</b> , 4, 451-457	13	23
49	FeOOH: a new anode for potassium-ion batteries. <i>Chemical Communications</i> , <b>2020</b> , 56, 3713-3716	5.8	22
48	Tuning crystal structure and redox potential of NASICON-type cathodes for sodium-ion batteries. <i>Nano Research</i> , <b>2020</b> , 13, 3330-3337	10	22
47	Development and challenges of aqueous rechargeable zinc batteries. <i>Chinese Science Bulletin</i> , <b>2020</b> , 65, 3562-3584	2.9	21
46	Stabilization of Zn Metal Anode through Surface Reconstruction of a Cerium-Based Conversion Film. <i>Advanced Functional Materials</i> , 2103227	15.6	21
45	Investigation of sodium vanadate as a high-performance aqueous zinc-ion battery cathode. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 37, 172-175	12	20
44	NbO microstructures: a high-performance anode for lithium ion batteries. <i>Nanotechnology</i> , <b>2016</b> , 27, 46LT01	3.4	19
43	Hydrothermal synthesis of sodium vanadate nanobelts as high-performance cathode materials for lithium batteries. <i>Journal of Power Sources</i> , <b>2016</b> , 325, 383-390	8.9	19
42	Manipulating Ion Concentration to Boost Two-Electron Mn 4+ /Mn 2+ Redox Kinetics through a Colloid Electrolyte for High-Capacity Zinc Batteries. <i>Advanced Energy Materials</i> , <b>2022</b> , 12, 2102393	21.8	19
41	Trimetallic Hybrid Sulfides Embedded in Nitrogen-Doped Carbon Nanocubes as an Advanced Sodium-Ion Battery Anode. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 4567-4575	6.1	18
40	Facile synthesis of AgVO <sub>3</sub> nanorods as cathode for primary lithium batteries. <i>Materials Letters</i> , <b>2012</b> , 74, 176-179	3.3	18
39	Issues and Opportunities Facing Aqueous Mn <sup>2+</sup> /MnO <sub>2</sub> -based batteries.. <i>ChemSusChem</i> , <b>2022</b> ,	8.3	18
38	Rational Design and Synthesis of Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C Nanocomposites As High-Performance Cathodes for Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 7250-7256	8.3	17
37	Hydrated Eutectic Electrolyte with Ligand-Oriented Solvation Shell to Boost the Stability of Zinc Battery. <i>Advanced Functional Materials</i> , 2110957	15.6	17
36	LiV <sub>3</sub> O <sub>8</sub> /Ag composite nanobelts with enhanced performance as cathode material for rechargeable lithium batteries. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 583, 351-356	5.7	16
35	Reaction mechanisms and optimization strategies of manganese-based materials for aqueous zinc batteries. <i>Materials Today Energy</i> , <b>2021</b> , 20, 100626	7	16
34	Construction of V <sub>2</sub> O <sub>5</sub> /NaV <sub>6</sub> O <sub>15</sub> biphasic composites as aqueous zinc-ion battery cathode. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 847, 113246	4.1	15

33	Yolk-shell P3-Type $K_{0.5}[Mn_{0.85}Ni_{0.1}Co_{0.05}]O_2$ : A Low-Cost Cathode for Potassium-Ion Batteries. <i>Energy and Environmental Materials</i> , <b>2021</b> ,	13	15
32	Electrochemical performance of $AlV_3O_9$ nanoflowers for lithium ion batteries application. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 723, 92-99	5.7	14
31	Hydrothermal synthesis and electrochemical performance of novel channel-structured $Ag_{0.33}V_2O_5$ nanorods. <i>Materials Letters</i> , <b>2014</b> , 116, 389-392	3.3	13
30	Effect of crystalline structure on the electrochemical properties of $K_{0.25}V_2O_5$ nanobelt for fast Li insertion. <i>Electrochimica Acta</i> , <b>2016</b> , 218, 199-207	6.7	13
29	Regulating Zinc Deposition Behaviors by the Conditioner of PAN Separator for Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2022</b> , 32, 2109671	15.6	13
28	Facile synthesis of belt-like $Ag_{1.2}V_3O_8$ with excellent stability for rechargeable lithium batteries. <i>Journal of Power Sources</i> , <b>2013</b> , 233, 304-308	8.9	12
27	Facile synthesis of rod-like $Ag_{0.33}V_2O_5$ crystallites with enhanced cyclic stability for lithium batteries. <i>Materials Letters</i> , <b>2013</b> , 109, 92-95	3.3	11
26	Synergetic stability enhancement with magnesium and calcium ion substitution for Ni/Mn-based P2-type sodium-ion battery cathodes.. <i>Chemical Science</i> , <b>2022</b> , 13, 726-736	9.4	11
25	Ion migration and defect effect of electrode materials in multivalent-ion batteries. <i>Progress in Materials Science</i> , <b>2021</b> , 125, 100911	42.2	11
24	Synthesis of $K_{0.25}V_2O_5$ hierarchical microspheres as a high-rate and long-cycle cathode for lithium metal batteries. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 772, 852-860	5.7	10
23	High-Potential Cathodes with Nitrogen Active Centres for Quasi-Solid Proton-Ion Batteries.. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	10
22	Eutectic electrolyte based on N-methylacetamide for highly reversible zinc-ion battery. <i>Energy and Environmental Science</i> ,	35.4	9
21	Engineering Ion Diffusion by $CoS@SnS$ Heterojunction for Ultrahigh-Rate and Stable Potassium Batteries.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	9
20	Template-free synthesis of highly porous $V_2O_5$ cuboids with enhanced performance for lithium ion batteries. <i>Nanotechnology</i> , <b>2016</b> , 27, 305404	3.4	8
19	Facile synthesis of $LiVO_3$ and its electrochemical behavior in rechargeable lithium batteries. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 853, 113505	4.1	8
18	Layered Superconductor $Cu_{0.11}TiSe_2$ as a High-Stable K-Cathode. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1908936	35.6	8
17	Insights into Metal/Metalloid-Based Alloying Anodes for Potassium Ion Batteries <b>2021</b> , 3, 1572-1598		8
16	Hydrogen Bond-Functionalized Massive Solvation Modules Stabilizing Bilateral Interfaces. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 210609	15.6	7



15	Surface organic nitrogen-doping disordered biomass carbon materials with superior cycle stability in the sodium-ion batteries. <i>Journal of Power Sources</i> , <b>2022</b> , 522, 230994	8.9	6
14	Highly reversible zinc-ion battery enabled by suppressing vanadium dissolution through inorganic Zn <sup>2+</sup> conductor electrolyte. <i>Nano Energy</i> , <b>2021</b> , 90, 106621	17.1	6
13	Architecting a Hydrated CaVO Cathode with a Facile Desolvation Interface for Superior-Performance Aqueous Zinc Ion Batteries.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 60035-60045	9.5	6
12	Sodium-Ion Batteries: Observation of Pseudocapacitive Effect and Fast Ion Diffusion in Bimetallic Sulfides as an Advanced Sodium-Ion Battery Anode (Adv. Energy Mater. 19/2018). <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1870092	21.8	5
11	Facilitating Phase Evolution for a High-Energy-Efficiency, Low-Cost O3-Type NaCuFeMnO Sodium Ion Battery Cathode. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 13792-13800	5.1	5
10	CircHIPK3: Key Player in Pathophysiology and Potential Diagnostic and Therapeutic Tool. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 615417	4.9	5
9	Progress and prospect of the zinc-bdine battery. <i>Current Opinion in Electrochemistry</i> , <b>2021</b> , 30, 100761	7.2	5
8	Facile synthesis of Cu <sub>3</sub> V <sub>2</sub> O <sub>7</sub> (OH) <sub>2</sub> ·2H <sub>2</sub> O as cathode for primary lithium batteries. <i>Materials Letters</i> , <b>2013</b> , 99, 94-96	3.3	4
7	Fundamental Understanding and Effect of Anionic Chemistry in Zinc Batteries. <i>Energy and Environmental Materials</i> ,	13	4
6	Pseudocapacitance-dominated zinc storage enabled by nitrogen-doped carbon stabilized amorphous vanadyl phosphate. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 131868	14.7	4
5	Influence of PVP on Solvothermal Synthesized Fe <sub>3</sub> O <sub>4</sub> /Graphene Composites as Anodes for Lithium-ion Batteries. <i>Electrochemistry</i> , <b>2015</b> , 83, 619-623	1.2	3
4	Structure-Optimized Phosphorene for Super-Stable Potassium Storage. <i>Advanced Functional Materials</i> , 2203522	15.6	3
3	Alkali-Metal-Ion Batteries: Electrochemical Study of Poly(2,6-Anthraquinonyl Sulfide) as Cathode for Alkali-Metal-Ion Batteries (Adv. Energy Mater. 48/2020). <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2070198	21.8	1
2	Controlled growth of transition metal dichalcogenide via thermogravimetric prediction of precursors vapor concentration. <i>Nano Research</i> , <b>2021</b> , 14, 2867-2874	10	0
1	Synergetic Effect of Alkali-Site Substitution and Oxygen Vacancy Boosting Vanadate Cathode for Super-Stable Potassium and Zinc Storage. <i>Advanced Functional Materials</i> , 2203819	15.6	0