

Jiang Zhou

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140
papers

11,496
citations

55
h-index

105
g-index

152
ext. papers

16,461
ext. citations

12.9
avg, IF

7.34
L-index

#	Paper	IF	Citations
140	Synergetic stability enhancement with magnesium and calcium ion substitution for Ni/Mn-based P2-type sodium-ion battery cathodes.. <i>Chemical Science</i> , 2022 , 13, 726-736	9.4	11
139	Design Strategies for High-Energy-Density Aqueous Zinc Batteries.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	37
138	Tuning Zn ²⁺ coordination tunnel by hierarchical gel electrolyte for dendrite-free zinc anode. <i>Science Bulletin</i> , 2022 ,	10.6	31
137	Surface organic nitrogen-doping disordered biomass carbon materials with superior cycle stability in the sodium-ion batteries. <i>Journal of Power Sources</i> , 2022 , 522, 230994	8.9	6
136	Integrated All-in-one strategy to stabilize zinc anodes for high-performance zinc-ion batteries.. <i>National Science Review</i> , 2022 , 9, nwab177	10.8	54
135	High-Potential Cathodes with Nitrogen Active Centres for Quasi-Solid Proton-Ion Batteries.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	10
134	Issues and Opportunities Facing Aqueous Mn ²⁺ /MnO ₂ -based batteries.. <i>ChemSusChem</i> , 2022 ,	8.3	18
133	Engineering Ion Diffusion by CoS@SnS Heterojunction for Ultrahigh-Rate and Stable Potassium Batteries.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	9
132	Regulating Zinc Deposition Behaviors by the Conditioner of PAN Separator for Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2022 , 32, 2109671	15.6	13
131	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> , 2022 , 12, 2102393	21.8	19
130	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> , 2021 , e2105452	24	24
129	Prospects of Electrode Materials and Electrolytes for Practical Potassium-Based Batteries.. <i>Small Methods</i> , 2021 , 5, e2101131	12.8	49
128	Interfacial Engineering Strategy for High-Performance Zn Metal Anodes. <i>Nano-Micro Letters</i> , 2021 , 14, 6	19.5	38
127	Ion migration and defect effect of electrode materials in multivalent-ion batteries. <i>Progress in Materials Science</i> , 2021 , 125, 100911	42.2	11
126	Insights into Metal/Metalloid-Based Alloying Anodes for Potassium Ion Batteries 2021 , 3, 1572-1598		8
125	Highly reversible zinc-ion battery enabled by suppressing vanadium dissolution through inorganic Zn ²⁺ conductor electrolyte. <i>Nano Energy</i> , 2021 , 90, 106621	17.1	6
124	SbVO ₄ based high capacity potassium anode: a combination of conversion and alloying reactions. <i>Science China Chemistry</i> , 2021 , 64, 238-244	7.9	27

123	Cell-like-carbon-micro-spheres for robust potassium anode. <i>National Science Review</i> , 2021 , 8, nwa276	10.8	121
122	Surface-Preferred Crystal Plane for a Stable and Reversible Zinc Anode. <i>Advanced Materials</i> , 2021 , 33, e2100187	24	121
121	Regulating Solvent Molecule Coordination with KPF for Superstable Graphite Potassium Anodes. <i>ACS Nano</i> , 2021 , 15, 9167-9175	16.7	48
120	Mechanistic Insights of Mg ²⁺ -Electrolyte Additive for High-Energy and Long-Life Zinc-Ion Hybrid Capacitors. <i>Advanced Energy Materials</i> , 2021 , 11, 2101158	21.8	30
119	Interfacial adsorption/insertion mechanism induced by phase boundary toward better aqueous Zn-ion battery. <i>Information Materials</i> , 2021 , 3, 1028-1036	23.1	101
118	Reaction mechanisms and optimization strategies of manganese-based materials for aqueous zinc batteries. <i>Materials Today Energy</i> , 2021 , 20, 100626	7	16
117	Suppressing by-product via stratified adsorption effect to assist highly reversible zinc anode in aqueous electrolyte. <i>Journal of Energy Chemistry</i> , 2021 , 55, 549-556	12	49
116	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> , 2021 ,	13	15
115	Fundamentals and perspectives of electrolyte additives for aqueous zinc-ion batteries. <i>Energy Storage Materials</i> , 2021 , 34, 545-562	19.4	102
114	Cross-Linked Hollow Graphitic Carbon as Low-Cost and High-Performance Anode for Potassium Ion Batteries. <i>Energy and Environmental Materials</i> , 2021 , 4, 451-457	13	23
113	Electrolyte Strategies toward Better Zinc-Ion Batteries. <i>ACS Energy Letters</i> , 2021 , 6, 1015-1033	20.1	119
112	CircHIPK3: Key Player in Pathophysiology and Potential Diagnostic and Therapeutic Tool. <i>Frontiers in Medicine</i> , 2021 , 8, 615417	4.9	5
111	Inorganic Colloidal Electrolyte for Highly Robust Zinc-Ion Batteries. <i>Nano-Micro Letters</i> , 2021 , 13, 69	19.5	95
110	Controlled growth of transition metal dichalcogenide via thermogravimetric prediction of precursors vapor concentration. <i>Nano Research</i> , 2021 , 14, 2867-2874	10	0
109	Pseudocapacitance-dominated zinc storage enabled by nitrogen-doped carbon stabilized amorphous vanadyl phosphate. <i>Chemical Engineering Journal</i> , 2021 , 426, 131868	14.7	4
108	Progress and prospect of the zinc-bine battery. <i>Current Opinion in Electrochemistry</i> , 2021 , 30, 100761	7.2	5
107	Architecting a Hydrated CaVO Cathode with a Facile Desolvation Interface for Superior-Performance Aqueous Zinc Ion Batteries.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 60035-60045	9.5	6
106	Anode Materials for Aqueous Zinc Ion Batteries: Mechanisms, Properties, and Perspectives. <i>ACS Nano</i> , 2020 ,	16.7	133

105	Electrochemical Activation of Manganese-Based Cathode in Aqueous Zinc-Ion Electrolyte. <i>Advanced Functional Materials</i> , 2020 , 30, 2002711	15.6	68
104	Polyimide/metal-organic framework hybrid for high performance Al - Organic battery. <i>Energy Storage Materials</i> , 2020 , 31, 58-63	19.4	45
103	Hierarchically Structured Nitrogen-Doped Carbon Microspheres for Advanced Potassium Ion Batteries 2020 , 2, 853-860		49
102	A Sieve-Functional and Uniform-Porous Kaolin Layer toward Stable Zinc Metal Anode. <i>Advanced Functional Materials</i> , 2020 , 30, 2000599	15.6	231
101	FeOOH: a new anode for potassium-ion batteries. <i>Chemical Communications</i> , 2020 , 56, 3713-3716	5.8	22
100	Layered hydrated vanadium oxide as highly reversible intercalation cathode for aqueous Zn-ion batteries 2020 , 2, 294-301		40
99	Enlarged interlayer spacing and enhanced capacitive behavior of a carbon anode for superior potassium storage. <i>Science Bulletin</i> , 2020 , 65, 2014-2021	10.6	25
98	Zn/MnO ₂ battery chemistry with dissolution-deposition mechanism. <i>Materials Today Energy</i> , 2020 , 16, 100396	7	135
97	Ion-confinement effect enabled by gel electrolyte for highly reversible dendrite-free zinc metal anode. <i>Energy Storage Materials</i> , 2020 , 27, 109-116	19.4	153
96	Issues and Future Perspective on Zinc Metal Anode for Rechargeable Aqueous Zinc-ion Batteries. <i>Energy and Environmental Materials</i> , 2020 , 3, 146-159	13	171
95	Development and challenges of aqueous rechargeable zinc batteries. <i>Chinese Science Bulletin</i> , 2020 , 65, 3562-3584	2.9	21
94	Guest Pre-intercalation Strategy to Boost the Electrochemical Performance of Aqueous Zinc-ion Battery Cathodes. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2020 , 2005020-0	3.8	26
93	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> , 2020 , 10, 2070198	21.8	1
92	Manipulating the ion-transfer kinetics and interface stability for high-performance zinc metal anodes. <i>Energy and Environmental Science</i> , 2020 , 13, 503-510	35.4	378
91	Oxygen Defects in MnO Enabling High-Performance Rechargeable Aqueous Zinc/Manganese Dioxide Battery. <i>IScience</i> , 2020 , 23, 100797	6.1	99
90	Fundamentals and perspectives in developing zinc-ion battery electrolytes: a comprehensive review. <i>Energy and Environmental Science</i> , 2020 , 13, 4625-4665	35.4	176
89	Interlayer Doping in Layered Vanadium Oxides for Low-cost Energy Storage: Sodium-ion Batteries and Aqueous Zinc-ion Batteries. <i>ChemNanoMat</i> , 2020 , 6, 1553-1566	3.5	25
88	Electrochemical Study of Poly(2,6-Anthraquinonyl Sulfide) as Cathode for Alkali-Metal-Ion Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 2002780	21.8	28

87	Tuning crystal structure and redox potential of NASICON-type cathodes for sodium-ion batteries. <i>Nano Research</i> , 2020 , 13, 3330-3337	10	22
86	Facilitating Phase Evolution for a High-Energy-Efficiency, Low-Cost O3-Type NaCuFeMnO Sodium Ion Battery Cathode. <i>Inorganic Chemistry</i> , 2020 , 59, 13792-13800	5.1	5
85	Spatially homogeneous copper foam as surface dendrite-free host for zinc metal anode. <i>Chemical Engineering Journal</i> , 2020 , 379, 122248	14.7	160
84	Electrochemically induced cationic defect in MnO intercalation cathode for aqueous zinc-ion battery. <i>Energy Storage Materials</i> , 2020 , 24, 394-401	19.4	141
83	Highly Dispersed Cobalt Nanoparticles Embedded in Nitrogen-Doped Graphitized Carbon for Fast and Durable Potassium Storage. <i>Nano-Micro Letters</i> , 2020 , 13, 21	19.5	39
82	Simultaneous Cationic and Anionic Redox Reactions Mechanism Enabling High-Rate Long-Life Aqueous Zinc-Ion Battery. <i>Advanced Functional Materials</i> , 2019 , 29, 1905267	15.6	93
81	Ultra-High Mass-Loading Cathode for Aqueous Zinc-Ion Battery Based on Graphene-Wrapped Aluminum Vanadate Nanobelts. <i>Nano-Micro Letters</i> , 2019 , 11, 69	19.5	74
80	Fabrication of an Inexpensive Hydrophilic Bridge on a Carbon Substrate and Loading Vanadium Sulfides for Flexible Aqueous Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36676-36684 ³⁰	9.5	36684
79	Structural perspective on revealing energy storage behaviors of silver vanadate cathodes in aqueous zinc-ion batteries. <i>Acta Materialia</i> , 2019 , 180, 51-59	8.4	61
78	Homogeneous Deposition of Zinc on Three-Dimensional Porous Copper Foam as a Superior Zinc Metal Anode. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17737-17746	8.3	74
77	Engineering the interplanar spacing of ammonium vanadates as a high-performance aqueous zinc-ion battery cathode. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 940-945	13	164
76	Highly Reversible Phase Transition Endows V6O13 with Enhanced Performance as Aqueous Zinc-Ion Battery Cathode. <i>Energy Technology</i> , 2019 , 7, 1900022	3.5	47
75	Construction of V2O5/NaV6O15 biphasic composites as aqueous zinc-ion battery cathode. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 847, 113246	4.1	15
74	Trimetallic Hybrid Sulfides Embedded in Nitrogen-Doped Carbon Nanocubes as an Advanced Sodium-Ion Battery Anode. <i>ACS Applied Energy Materials</i> , 2019 , 2, 4567-4575	6.1	18
73	Synthesis of polycrystalline K0.25V2O5 nanoparticles as cathode for aqueous zinc-ion battery. <i>Journal of Alloys and Compounds</i> , 2019 , 801, 82-89	5.7	40
72	Transition metal ion-preintercalated V2O5 as high-performance aqueous zinc-ion battery cathode with broad temperature adaptability. <i>Nano Energy</i> , 2019 , 61, 617-625	17.1	205
71	Metal Organic Framework-Templated Synthesis of Bimetallic Selenides with Rich Phase Boundaries for Sodium-Ion Storage and Oxygen Evolution Reaction. <i>ACS Nano</i> , 2019 , 13, 5635-5645	16.7	247
70	VO Nanospheres with Mixed Vanadium Valences as High Electrochemically Active Aqueous Zinc-Ion Battery Cathode. <i>Nano-Micro Letters</i> , 2019 , 11, 25	19.5	197

69	Nanoflake-constructed porous Na ₃ V ₂ (PO ₄) ₃ /C hierarchical microspheres as a bicontinuous cathode for sodium-ion batteries applications. <i>Nano Energy</i> , 2019 , 60, 312-323	17.1	97
68	Reversible Zn-driven reduction displacement reaction in aqueous zinc-ion battery. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7355-7359	13	52
67	Investigation of sodium vanadate as a high-performance aqueous zinc-ion battery cathode. <i>Journal of Energy Chemistry</i> , 2019 , 37, 172-175	12	20
66	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> , 2019 , 29, 1808375	15.6	345
65	Structural Modification of V ₂ O ₅ as High-Performance Aqueous Zinc-Ion Battery Cathode. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A480-A486	3.9	55
64	Observation of combination displacement/intercalation reaction in aqueous zinc-ion battery. <i>Energy Storage Materials</i> , 2019 , 18, 10-14	19.4	108
63	Facile synthesis of LiVO ₃ and its electrochemical behavior in rechargeable lithium batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 853, 113505	4.1	8
62	Cathode Interfacial Layer Formation Electrochemically Charging in Aqueous Zinc-Ion Battery. <i>ACS Nano</i> , 2019 , 13, 13456-13464	16.7	110
61	Issues and opportunities facing aqueous zinc-ion batteries. <i>Energy and Environmental Science</i> , 2019 , 12, 3288-3304	35.4	645
60	Synthesis of K _{0.25} V ₂ O ₅ hierarchical microspheres as a high-rate and long-cycle cathode for lithium metal batteries. <i>Journal of Alloys and Compounds</i> , 2019 , 772, 852-860	5.7	10
59	Binder-free stainless steel@Mn ₃ O ₄ nanoflower composite: a high-activity aqueous zinc-ion battery cathode with high-capacity and long-cycle-life. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9677-9683	13	196
58	Investigation of VO as a low-cost rechargeable aqueous zinc ion battery cathode. <i>Chemical Communications</i> , 2018 , 54, 4457-4460	5.8	225
57	Pilotaxitic Na _{1.1} V ₃ O _{7.9} nanoribbons/graphene as high-performance sodium ion battery and aqueous zinc ion battery cathode. <i>Energy Storage Materials</i> , 2018 , 13, 168-174	19.4	203
56	Metal-organic framework-derived porous shuttle-like vanadium oxides for sodium-ion battery application. <i>Nano Research</i> , 2018 , 11, 449-463	10	85
55	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> , 2018 , 8, 1870092	21.8	5
54	Potassium vanadates with stable structure and fast ion diffusion channel as cathode for rechargeable aqueous zinc-ion batteries. <i>Nano Energy</i> , 2018 , 51, 579-587	17.1	291
53	Caging NaV(PO) ₄ F Microcubes in Cross-Linked Graphene Enabling Ultrafast Sodium Storage and Long-Term Cycling. <i>Advanced Science</i> , 2018 , 5, 1800680	13.6	125
52	Rational Design and Synthesis of Li ₃ V ₂ (PO ₄) ₃ /C Nanocomposites As High-Performance Cathodes for Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 7250-7256	8.3	17

51	Mechanistic Insights of Zn ²⁺ Storage in Sodium Vanadates. <i>Advanced Energy Materials</i> , 2018 , 8, 1801819-21.8	167
50	Observation of Pseudocapacitive Effect and Fast Ion Diffusion in Bimetallic Sulfides as an Advanced Sodium-Ion Battery Anode. <i>Advanced Energy Materials</i> , 2018 , 8, 1703155	21.8 284
49	Recent Advances in Aqueous Zinc-Ion Batteries. <i>ACS Energy Letters</i> , 2018 , 3, 2480-2501	20.1 959
48	Li ⁺ intercalated V ₂ O ₅ ·nH ₂ O with enlarged layer spacing and fast ion diffusion as an aqueous zinc-ion battery cathode. <i>Energy and Environmental Science</i> , 2018 , 11, 3157-3162	35.4 535
47	High-performance sodium-ion batteries and flexible sodium-ion capacitors based on Sb ₂ X ₃ (X = O, S)/carbon fiber cloth. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9169-9176	13 72
46	Graphene oxide templated nitrogen-doped carbon nanosheets with superior rate capability for sodium ion batteries. <i>Carbon</i> , 2017 , 122, 82-91	10.4 35
45	Chrysanthemum-like Bi ₂ S ₃ nanostructures: A promising anode material for lithium-ion batteries and sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017 , 715, 432-437	5.7 40
44	Controllable synthesis of highly uniform cuboid-shape MOFs and their derivatives for lithium-ion battery and photocatalysis applications. <i>Chemical Engineering Journal</i> , 2017 , 322, 281-292	14.7 45
43	Metal-organic framework-templated two-dimensional hybrid bimetallic metal oxides with enhanced lithium/sodium storage capability. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13983-13993	13 117
42	Nitrogen-Doped Carbon for Sodium-Ion Battery Anode by Self-Etching and Graphitization of Bimetallic MOF-Based Composite. <i>Chem</i> , 2017 , 3, 152-163	16.2 171
41	Chemical Synthesis of 3D Graphene-Like Cages for Sodium-Ion Batteries Applications. <i>Advanced Energy Materials</i> , 2017 , 7, 1700797	21.8 91
40	Nitrogen doped hollow MoS ₂ /C nanospheres as anode for long-life sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2017 , 327, 522-529	14.7 77
39	Three-dimensional Zn ₃ V ₃ O ₈ /carbon fiber cloth composites as binder-free anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2017 , 246, 97-105	6.7 26
38	Electrochemical performance of AlV ₃ O ₉ nanoflowers for lithium ion batteries application. <i>Journal of Alloys and Compounds</i> , 2017 , 723, 92-99	5.7 14
37	General synthesis of three-dimensional alkali metal vanadate aerogels with superior lithium storage properties. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14408-14415	13 24
36	Oxygen-Incorporated MoS Nanosheets with Expanded Interlayers for Hydrogen Evolution Reaction and Pseudocapacitor Applications. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 33681-33689	9.5 80
35	NbO microstructures: a high-performance anode for lithium ion batteries. <i>Nanotechnology</i> , 2016 , 27, 46LT01	3.4 19
34	Nitrogen-doped TiO ₂ nanospheres for advanced sodium-ion battery and sodium-ion capacitor applications. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18278-18283	13 111

33	Nb2O5 quantum dots embedded in MOF derived nitrogen-doped porous carbon for advanced hybrid supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17838-17847	13	83
32	Hydrothermal synthesis of sodium vanadate nanobelts as high-performance cathode materials for lithium batteries. <i>Journal of Power Sources</i> , 2016 , 325, 383-390	8.9	19
31	Template-free synthesis of highly porous V2O5 cuboids with enhanced performance for lithium ion batteries. <i>Nanotechnology</i> , 2016 , 27, 305404	3.4	8
30	MOFs nanosheets derived porous metal oxide-coated three-dimensional substrates for lithium-ion battery applications. <i>Nano Energy</i> , 2016 , 26, 57-65	17.1	187
29	Two-dimensional hybrid nanosheets of few layered MoSe2 on reduced graphene oxide as anodes for long-cycle-life lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15302-15308	13	139
28	Effect of crystalline structure on the electrochemical properties of K0.25V2O5 nanobelt for fast Li insertion. <i>Electrochimica Acta</i> , 2016 , 218, 199-207	6.7	13
27	Na0.282V2O5: A high-performance cathode material for rechargeable lithium batteries and sodium batteries. <i>Journal of Power Sources</i> , 2016 , 328, 241-249	8.9	31
26	Mesoporous NiCo2O4 nanoneedles grown on three dimensional graphene networks as binder-free electrode for high-performance lithium-ion batteries and supercapacitors. <i>Electrochimica Acta</i> , 2015 , 176, 1-9	6.7	100
25	Facile synthesis of potassium vanadate cathode material with superior cycling stability for lithium ion batteries. <i>Journal of Power Sources</i> , 2015 , 275, 694-701	8.9	49
24	Influence of PVP on Solvothermal Synthesized Fe3O4/Graphene Composites as Anodes for Lithium-ion Batteries. <i>Electrochemistry</i> , 2015 , 83, 619-623	1.2	3
23	Two-dimensional NiCo2O4 nanosheet-coated three-dimensional graphene networks for high-rate, long-cycle-life supercapacitors. <i>Nanoscale</i> , 2015 , 7, 7035-9	7.7	126
22	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> , 2014 , 2, 11029-11034	13	27
21	Synthesis of mesoporous Na0.33V2O5 with enhanced electrochemical performance for lithium ion batteries. <i>Electrochimica Acta</i> , 2014 , 130, 119-126	6.7	42
20	LiV3O8/Ag composite nanobelts with enhanced performance as cathode material for rechargeable lithium batteries. <i>Journal of Alloys and Compounds</i> , 2014 , 583, 351-356	5.7	16
19	Hydrothermal synthesis and electrochemical performance of novel channel-structured NaAg0.33V2O5 nanorods. <i>Materials Letters</i> , 2014 , 116, 389-392	3.3	13
18	Facile synthesis of rod-like Ag0.33V2O5 crystallites with enhanced cyclic stability for lithium batteries. <i>Materials Letters</i> , 2013 , 109, 92-95	3.3	11
17	Ultrathin Na1.1V3O7.9 nanobelts with superior performance as cathode materials for lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 8704-9	9.5	40
16	Hydrothermal synthesis of Ag/NaAgVO3 nanobelts with enhanced performance as a cathode material for lithium batteries. <i>CrystEngComm</i> , 2013 , 15, 9869	3.3	31

15	Facile synthesis of belt-like Ag _{1.2} V ₃ O ₈ with excellent stability for rechargeable lithium batteries. <i>Journal of Power Sources</i> , 2013 , 233, 304-308	8.9	12
14	Facile synthesis of Ag/AgVO ₃ hybrid nanorods with enhanced electrochemical performance as cathode material for lithium batteries. <i>Journal of Power Sources</i> , 2013 , 228, 178-184	8.9	36
13	PVP-assisted synthesis of MoS ₂ nanosheets with improved lithium storage properties. <i>CrystEngComm</i> , 2013 , 15, 4998	3.3	70
12	Facile synthesis of Cu ₃ V ₂ O ₇ (OH) ₂ ·2H ₂ O as cathode for primary lithium batteries. <i>Materials Letters</i> , 2013 , 99, 94-96	3.3	4
11	Facile synthesis of AgVO ₃ nanorods as cathode for primary lithium batteries. <i>Materials Letters</i> , 2012 , 74, 176-179	3.3	18
10	Eutectic electrolyte based on N-methylacetamide for highly reversible zinc/dine battery. <i>Energy and Environmental Science</i> ,	35.4	9
9	Hydrogen Bond-Functionalized Massive Solvation Modules Stabilizing Bilateral Interfaces. <i>Advanced Functional Materials</i> ,2112609	15.6	7
8	Surface-substituted Prussian blue analogue cathode for sustainable potassium-ion batteries. <i>Nature Sustainability</i> ,	22.1	59
7	Layered Superconductor Cu _{0.11} TiSe ₂ as a High-Stable K-Cathode. <i>Advanced Functional Materials</i> ,2109893	15.6	8
6	Fundamental Understanding and Effect of Anionic Chemistry in Zinc Batteries. <i>Energy and Environmental Materials</i> ,	13	4
5	Stabilization of Zn Metal Anode through Surface Reconstruction of a Cerium-Based Conversion Film. <i>Advanced Functional Materials</i> ,2103227	15.6	21
4	pH-Buffer Contained Electrolyte for Self-Adjusted Cathode-Free Zn/MnO ₂ Batteries with Coexistence of Dual Mechanisms. <i>Small Structures</i> ,2100119	8.7	81
3	Hydrated Eutectic Electrolyte with Ligand-Oriented Solvation Shell to Boost the Stability of Zinc Battery. <i>Advanced Functional Materials</i> ,2110957	15.6	17
2	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
1	Structure-Optimized Phosphorene for Super-Stable Potassium Storage. <i>Advanced Functional Materials</i> ,2203522	15.6	3