

# An-Qiang Pan

## List of Publications by Citations

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143  
ext. papers

11,231  
ext. citations

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L-index

#	Paper	IF	Citations
134	Recent Advances in Aqueous Zinc-Ion Batteries. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 2480-2501	20.1	959
133	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
132	Facile synthesized nanorod structured vanadium pentoxide for high-rate lithium batteries. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 9193		293
131	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
130	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
129	Template-free synthesis of VO <sub>2</sub> hollow microspheres with various interiors and their conversion into V <sub>2</sub> O <sub>5</sub> for lithium-ion batteries. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 2226-30	16.4	244
128	A review on recent developments and challenges of cathode materials for rechargeable aqueous Zn-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 18209-18236	13	209
127	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
126	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
125	Nitrogen-Doped Yolk-Shell-Structured CoSe/C Dodecahedra for High-Performance Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 3624-3633	9.5	197
124	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
123	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
122	Nano-structured Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /carbon composite for high-rate lithium-ion batteries. <i>Electrochemistry Communications</i> , <b>2010</b> , 12, 1674-1677	5.1	165
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	Template-Assisted Formation of Rattle-type V <sub>2</sub> O <sub>5</sub> Hollow Microspheres with Enhanced Lithium Storage Properties. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 5669-5674	15.6	140
119	Synthesis of hierarchical three-dimensional vanadium oxide microstructures as high-capacity cathode materials for lithium-ion batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 3874-9	9.5	139
118	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

117	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
116	Encapsulation of CoS Nanocrystals into N/S Co-Doped Honeycomb-Like 3D Porous Carbon for High-Performance Lithium Storage. <i>Advanced Science</i> , <b>2018</b> , 5, 1800829	13.6	121
115	Surface-Preferred Crystal Plane for a Stable and Reversible Zinc Anode. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100187	24	121
114	Template-free synthesis of ultra-large V <sub>2</sub> O <sub>5</sub> nanosheets with exceptional small thickness for high-performance lithium-ion batteries. <i>Nano Energy</i> , <b>2015</b> , 13, 58-66	17.1	119
113	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
112	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
111	Nanosheet-structured LiV <sub>3</sub> O <sub>8</sub> with high capacity and excellent stability for high energy lithium batteries. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 10077		108
110	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
109	High-rate cathodes based on Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanobelts prepared via surfactant-assisted fabrication. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 3646-3649	8.9	95
108	Facile synthesis of nanorod-assembled multi-shelled Co <sub>3</sub> O <sub>4</sub> hollow microspheres for high-performance supercapacitors. <i>Journal of Power Sources</i> , <b>2014</b> , 272, 107-112	8.9	94
107	Template free synthesis of LiV <sub>3</sub> O <sub>8</sub> nanorods as a cathode material for high-rate secondary lithium batteries. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 1153-1161		94
106	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
105	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
104	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
103	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
102	Oxygen-Incorporated MoS 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
101	Tin sulfide nanoparticles embedded in sulfur and nitrogen dual-doped mesoporous carbon fibers as high-performance anodes with battery-capacitive sodium storage. <i>Energy Storage Materials</i> , <b>2019</b> , 18, 366-374	19.4	78
100	Rational design of multi-shelled CoO/Co <sub>9</sub> S <sub>8</sub> hollow microspheres for high-performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 18448-18456	13	78

99	Self-templated synthesis of N-doped CoSe <sub>2</sub> /C double-shelled dodecahedra for high-performance supercapacitors. <i>Energy Storage Materials</i> , <b>2017</b> , 8, 28-34	19.4	77
98	Heterogeneous NiS/NiO multi-shelled hollow microspheres with enhanced electrochemical performances for hybrid-type asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 9153-9160	13	76
97	Hierarchical mesoporous MoSe <sub>2</sub> @CoSe/N-doped carbon nanocomposite for sodium ion batteries and hydrogen evolution reaction applications. <i>Energy Storage Materials</i> , <b>2019</b> , 21, 97-106	19.4	73
96	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
95	N-S co-doped C@SnS nanoflakes/graphene composite as advanced anode for sodium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2018</b> , 353, 606-614	14.7	72
94	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
93	Uniform 8LiFePO <sub>4</sub> /Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C nanoflakes for high-performance Li-ion batteries. <i>Nano Energy</i> , <b>2016</b> , 22, 48-58	17.1	69
92	Electrochemical Activation of Manganese-Based Cathode in Aqueous Zinc-Ion Electrolyte. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002711	15.6	68
91	N-doped one-dimensional carbonaceous backbones supported MoSe <sub>2</sub> nanosheets as superior electrodes for energy storage and conversion. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 2190-2200	14.7	66
90	A Confined Replacement Synthesis of Bismuth Nanodots in MOF Derived Carbon Arrays as Binder-Free Anodes for Sodium-Ion Batteries. <i>Advanced Science</i> , <b>2019</b> , 6, 1900162	13.6	58
89	Bismuth nanosheets grown on carbon fiber cloth as advanced binder-free anode for sodium-ion batteries. <i>Electrochemistry Communications</i> , <b>2017</b> , 81, 10-13	5.1	55
88	High-performance anode based on porous Co <sub>3</sub> O <sub>4</sub> nanodiscs. <i>Journal of Power Sources</i> , <b>2014</b> , 255, 125-129	2.9	55
87	Uniform MnCoO Porous Dumbbells for Lithium-Ion Batteries and Oxygen Evolution Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 8730-8738	9.5	54
86	S-doped porous carbon confined SnS nanospheres with enhanced electrochemical performance for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 18286-18292	13	51
85	Yolk-shell structured V <sub>2</sub> O <sub>3</sub> microspheres wrapped in N, S co-doped carbon as pea-pod nanofibers for high-capacity lithium ion batteries. <i>Chemical Engineering Journal</i> , <b>2019</b> , 374, 545-553	14.7	50
84	TiO <sub>2</sub> nanorods grown on carbon fiber cloth as binder-free electrode for sodium-ion batteries and flexible sodium-ion capacitors. <i>Journal of Power Sources</i> , <b>2017</b> , 363, 284-290	8.9	50
83	Facile synthesis of Nb <sub>2</sub> O <sub>5</sub> /carbon nanocomposites as advanced anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 292, 63-71	6.7	50
82	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

81	In situ formation of Ni <sub>3</sub> S <sub>2</sub> @Cu <sub>1.8</sub> S nanosheets to promote hybrid supercapacitor performance. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 11044-11052	13	48
80	Hydrothermal synthesis of coherent porous V <sub>2</sub> O <sub>3</sub> /carbon nanocomposites for high-performance lithium- and sodium-ion batteries. <i>Science China Materials</i> , <b>2017</b> , 60, 717-727	7.1	47
79	Liquid Alloy Interlayer for Aqueous Zinc-Ion Battery. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 675-683	20.1	47
78	Hierarchically carbon-coated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanoflakes for high-rate capability and ultralong cycle-life sodium ion batteries. <i>Chemical Engineering Journal</i> , <b>2018</b> , 339, 162-169	14.7	46
77	Necklace-like Si@C nanofibers as robust anode materials for high performance lithium ion batteries. <i>Science Bulletin</i> , <b>2019</b> , 64, 261-269	10.6	45
76	Binding MoSe <sub>2</sub> with dual protection carbon for high-performance sodium storage. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 22871-22878	13	43
75	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
74	Nanoflake-assembled three-dimensional Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C cathode for high performance sodium ion batteries. <i>Chemical Engineering Journal</i> , <b>2018</b> , 335, 301-308	14.7	38
73	Nanorod-Nanoflake Interconnected LiMnPO <sub>4</sub> /LiV(PO) <sub>4</sub> /C Composite for High-Rate and Long-Life Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 27632-27641	9.5	38
72	Anti-Corrosive and Zn-Ion-Regulating Composite Interlayer Enabling Long-Life Zn Metal Anodes. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104361	15.6	38
71	Controllable fabrication of urchin-like CoO hollow spheres for high-performance supercapacitors and lithium-ion batteries. <i>Dalton Transactions</i> , <b>2016</b> , 45, 15155-15161	4.3	37
70	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
69	Dodecahedron-Shaped Porous Vanadium Oxide and Carbon Composite for High-Rate Lithium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 17303-11	9.5	35
68	Template-free synthesis of vanadium oxides nanobelt arrays as high-rate cathode materials for lithium ion batteries. <i>Journal of Power Sources</i> , <b>2014</b> , 268, 700-705	8.9	34
67	Three-Dimensional Carbon-Coated Treelike NiS Superstructures on a Nickel Foam as Binder-Free Bifunctional Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 36018-36027	9.5	34
66	Polypyrrole-Modified NH <sub>4</sub> NiPO <sub>4</sub> ·H <sub>2</sub> O Nanoplate Arrays on Ni Foam for Efficient Electrode in Electrochemical Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 5578-5584	8.3	33
65	Carbon-encapsulated MoSe <sub>2</sub> /C nanorods derived from organic-inorganic hybrid enabling superior lithium/sodium storage performances. <i>Electrochimica Acta</i> , <b>2018</b> , 292, 339-346	6.7	33
64	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	9.5	30

63	One-dimensional coaxial Sb and carbon fibers with enhanced electrochemical performance for sodium-ion batteries. <i>Applied Surface Science</i> , <b>2018</b> , 428, 448-454	6.7	30
62	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
61	Stable Zinc Metal Anodes with Textured Crystal Faces and Functional Zinc Compound Coatings. <i>Advanced Functional Materials</i> , 2106114	15.6	27
60	Ni <sub>2</sub> P <sub>2</sub> O <sub>7</sub> Nanoarrays with Decorated C <sub>3</sub> N <sub>4</sub> Nanosheets as Efficient Electrode for Supercapacitors. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 2016-2023	6.1	26
59	Self-templating synthesis of double-wall shelled vanadium oxide hollow microspheres for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 6792-6799	13	26
58	Reduced graphene oxide modified V <sub>2</sub> O <sub>3</sub> with enhanced performance for lithium-ion battery. <i>Materials Letters</i> , <b>2014</b> , 137, 174-177	3.3	26
57	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
56	Carbon quantum dot modified Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> as a high-performance cathode material for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 18872-18879	13	25
55	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
54	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
53	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
52	Increasing Accessible Subsurface to Improving Rate Capability and Cycling Stability of Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100808	24	24
51	Novel synthesis of V <sub>2</sub> O <sub>5</sub> hollow microspheres for lithium ion batteries. <i>Science China Materials</i> , <b>2016</b> , 59, 567-573	7.1	23
50	Facile fabrication of interconnected-mesoporous T-Nb <sub>2</sub> O <sub>5</sub> nanofibers as anodes for lithium-ion batteries. <i>Science China Materials</i> , <b>2019</b> , 62, 465-473	7.1	23
49	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
48	Multi-shelled Fe <sub>2</sub> O <sub>3</sub> microspheres for high-rate supercapacitors. <i>Science China Materials</i> , <b>2016</b> , 59, 247-253	7.1	22
47	Template-assisted formation of porous vanadium oxide as high performance cathode materials for lithium ion batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 295, 254-258	8.9	21
46	Facile synthesis of sandwich-structured Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /carbon composite as cathodes for high performance lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 683, 178-185	5.7	20

45	In situ formation of porous graphitic carbon wrapped MnO/Ni microsphere networks as binder-free anodes for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 12316-12322	13	20
44	Facile synthesis of nanosheet-structured V <sub>2</sub> O <sub>5</sub> with enhanced electrochemical performance for high energy lithium-ion batteries. <i>Metals and Materials International</i> , <b>2014</b> , 20, 983-988	2.4	19
43	A new strategy to prepare Ge/GeO <sub>2</sub> -reduced graphene oxide microcubes for high-performance lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 318, 314-321	6.7	18
42	Carbon wrapped hierarchical Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> microspheres for high performance lithium ion batteries. <i>Scientific Reports</i> , <b>2016</b> , 6, 33682	4.9	18
41	Electrospun Single Crystalline Fork-Like KVO as High-Performance Cathode Materials for Lithium-Ion Batteries. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 195	5	18
40	Bimetallic organic framework derivation of three-dimensional and heterogeneous metal selenides/carbon composites as advanced anodes for lithium-ion batteries. <i>Nanoscale</i> , <b>2020</b> , 12, 12623-12631	7.7	17
39	Twin-nanoplate assembled hierarchical Ni/MnO porous microspheres as advanced anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 259, 419-426	6.7	17
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	Sulfur-Doped Carbon-Wrapped Heterogeneous Fe <sub>3</sub> O <sub>4</sub> /Fe <sub>7</sub> S <sub>8</sub> /C Nanoplates as Stable Anode for Lithium-Ion Batteries. <i>Batteries and Supercaps</i> , <b>2020</b> , 3, 344-353	5.6	17
36	Towards a durable high performance anode material for lithium storage: stabilizing N-doped carbon encapsulated FeS nanosheets with amorphous TiO <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16541-16552	13	16
35	A pH-responsive dissociable mesoporous silica-based nanoplatform enabling efficient dual-drug co-delivery and rapid clearance for cancer therapy. <i>Biomaterials Science</i> , <b>2020</b> , 8, 3418-3429	7.4	16
34	Bimetallic phosphides embedded in hierarchical P-doped carbon for sodium ion battery and hydrogen evolution reaction applications. <i>Science China Materials</i> , <b>2019</b> , 62, 1857-1867	7.1	15
33	Template-free synthesis of Na <sub>0.33</sub> V <sub>2</sub> O <sub>5</sub> microspheres as cathode materials for lithium-ion batteries. <i>CrystEngComm</i> , <b>2015</b> , 17, 4774-4780	3.3	15
32	Tuning Interface Bridging Between MoSe and Three-Dimensional Carbon Framework by Incorporation of MoC Intermediate to Boost Lithium Storage Capability. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 171	19.5	15
31	3D printing for rechargeable lithium metal batteries. <i>Energy Storage Materials</i> , <b>2021</b> , 38, 141-156	19.4	15
30	Serpentine Ni Ge O (OH) Nanosheets with Tailored Layers and Size for Efficient Oxygen Evolution Reactions. <i>Small</i> , <b>2018</b> , 14, e1803015	11	15
29	A Facile Carbon Quantum Dot-Modified Reduction Approach Towards Tunable Sb@CQDs Nanoparticles for High Performance Sodium Storage. <i>Batteries and Supercaps</i> , <b>2020</b> , 3, 463-469	5.6	15
28	In situ formation of porous LiCuVO <sub>4</sub> /LiVO <sub>3</sub> /C nanotubes as a high-capacity anode material for lithium ion batteries. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 340-346	6.8	13

27	Controllable Preparation of VO/Graphene Nanocomposites as Cathode Materials for Lithium-Ion Batteries. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 549	5	13
26	Rational design of the pea-pod structure of SiO <sub>x</sub> /C nanofibers as a high-performance anode for lithium ion batteries. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 1762-1769	6.8	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	Incorporation of LiF into functionalized polymer fiber networks enabling high capacity and high rate cycling of lithium metal composite anodes. <i>Chemical Engineering Journal</i> , <b>2021</b> , 404, 126508	14.7	11
23	Controllable Ag Migration To Form One-Dimensional Ag/Ag <sub>2</sub> S@ZnS for Bifunctional Catalysis. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 6146-6154	6.1	10
22	Rational synthesis of SnS <sub>2</sub> @C hollow microspheres with superior stability for lithium-ion batteries. <i>Science China Materials</i> , <b>2017</b> , 60, 955-962	7.1	9
21	Vertically oriented Sn <sub>3</sub> O <sub>4</sub> nanoflakes directly grown on carbon fiber cloth for high-performance lithium storage. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 1468-1474	6.8	8
20	Fabrication of Si Nanoparticles@Carbon Fibers Composites from Natural Nanoclay as an Advanced Lithium-Ion Battery Flexible Anode. <i>Minerals (Basel, Switzerland)</i> , <b>2018</b> , 8, 180	2.4	7
19	In-situ Copper Doping with ZnO/ZnS Heterostructures to Promote Interfacial Photocatalysis of Microsized Particles. <i>ChemCatChem</i> , <b>2021</b> , 13, 564-573	5.2	7
18	Melamine-assisted synthesis of ultrafine Mo <sub>2</sub> C/Mo <sub>2</sub> N@N-doped carbon nanofibers for enhanced alkaline hydrogen evolution reaction activity. <i>Science China Materials</i> , <b>2021</b> , 64, 1150-1158	7.1	7
17	In Situ Defect Induction in Close-Packed Lattice Plane for the Efficient Zinc Ion Storage. <i>Small</i> , <b>2021</b> , 17, e2101944	11	7
16	Architecture design principles for stable electrodeposition behavior-towards better alkali metal (Li/Na/K) anodes. <i>Energy Storage Materials</i> , <b>2022</b> , 45, 48-73	19.4	6
15	Unusual Formation of CoS <sub>0.61</sub> Se <sub>0.25</sub> Anion Solid Solution with Sulfur Defects to Promote Electrocatalytic Water Reduction. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 2976-2982	6.1	6
14	Layered Barium Vanadate Cathodes for Aqueous Zinc Batteries: Enhancing Cycling Stability through Inhibition of Vanadium Dissolution. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 6197-6204	6.1	6
13	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
12	Green and Facile Preparation of Carbon-Coated TiO <sub>2</sub> Nanosheets for High-Performance Sodium-Ion Batteries. <i>Energy Technology</i> , <b>2018</b> , 6, 759-765	3.5	5
11	A one-pot synthesis of hetero-Co <sub>9</sub> S <sub>8</sub> /NiS sheets on graphene to boost lithium-sulfur battery performance. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 2160-2167	6.8	4
10	Conductivity gradient modulator induced highly reversible Li anodes in carbonate electrolytes for high-voltage lithium-metal batteries. <i>Energy Storage Materials</i> , <b>2022</b> , 47, 482-490	19.4	4



9	Na-Ion Batteries: A Confined Replacement Synthesis of Bismuth Nanodots in MOF Derived Carbon Arrays as Binder-Free Anodes for Sodium-Ion Batteries (Adv. Sci. 16/2019). <i>Advanced Science</i> , <b>2019</b> , 6, 1970098	13.6	3
8	Cowpea-like N-Doped Silicon Oxycarbide/Carbon Nanofibers as Anodes for High-Performance Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 1677-1686	6.1	3
7	Enveloping a Si/N-doped carbon composite in a CNT-reinforced fibrous network as flexible anodes for high performance lithium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 4386-4394	6.8	3
6	Building Ultra-Stable and Low-Polarization Composite Zn Anode Interface via Hydrated Polyzwitterionic Electrolyte Construction.. <i>Nano-Micro Letters</i> , <b>2022</b> , 14, 93	19.5	3
5	Sulfur-Doped Carbon-Wrapped Heterogeneous Fe <sub>3</sub> O <sub>4</sub> /Fe <sub>7</sub> S <sub>8</sub> /C Nanoplates as Stable Anode for Lithium-Ion Batteries. <i>Batteries and Supercaps</i> , <b>2020</b> , 3, 308-308	5.6	2
4	Enriching surface oxygen vacancies of spinel Co <sub>3</sub> O <sub>4</sub> to boost H <sub>2</sub> O adsorption for HER in alkaline media. <i>Materials Advances</i> ,	3.3	2
3	Liquid Alloying Na-K for Sodium Metal Anodes. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 9321-9327.	6.4	2
2	Cathode Materials for Rechargeable Aqueous Zn Batteries <b>2022</b> ,		0
1	Agitation drying synthesis of porous carbon supported Li <sub>3</sub> VO <sub>4</sub> as advanced anode material for lithium-ion batteries. <i>Rare Metals</i> , <b>2021</b> , 40, 3466-3476	5.5	0