

# Qinyou An

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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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.

158  
papers

10,884  
citations

60  
h-index

101  
g-index

165  
ext. papers

13,210  
ext. citations

12.6  
avg, IF

6.66  
L-index

#	Paper	IF	Citations
158	Electronic Structure Modulation in MoO <sub>3</sub> /MoP Heterostructure to Induce Fast Electronic/Ionic Diffusion Kinetics for Lithium Storage.. <i>Advanced Science</i> , <b>2022</b> , e2104504	13.6	7
157	Low-strain TiP <sub>2</sub> O <sub>7</sub> with three-dimensional ion channels as long-life and high-rate anode material for Mg-ion batteries <b>2022</b> , 1, 140-147		4
156	Achieving high-performance energy storage device of Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> // LiCrTiO <sub>4</sub> Li-ion full cell. <i>Journal of Power Sources</i> , <b>2022</b> , 518, 230770	8.9	0
155	Improved zinc-ion storage performance of the metal-free organic anode by the effect of binder. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 131092	14.7	5
154	Cheese-like porous SnP <sub>2</sub> O <sub>7</sub> composite as a long-life and high-rate anode material for potassium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2022</b> , 439, 135777	14.7	3
153	Mo C Nanoparticles Embedded in Carbon Nanowires with Surface Pseudocapacitance Enables High-Energy and High-Power Sodium Ion Capacitors.. <i>Small</i> , <b>2022</b> , e2200805	11	1
152	Liquid Phase-Induced Solid Solution Phase Mechanisms for Highly Stable and Ultrafast Energy Storage. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2102342	21.8	1
151	Dual redox groups enable organic cathode material with a high capacity for aqueous zinc-organic batteries. <i>Electrochimica Acta</i> , <b>2021</b> , 139620	6.7	2
150	Polyaniline nanoarrays/carbon cloth as binder-free and flexible cathode for magnesium ion batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 133772	14.7	6
149	A room-temperature rechargeable dual-plating lithium-aluminium battery. <i>Chemical Communications</i> , <b>2021</b> , 57, 11529-11532	5.8	0
148	Organic-Inorganic Superlattices of Vanadium Oxide@Polyaniline for High-Performance Magnesium-Ion Batteries. <i>ChemSusChem</i> , <b>2021</b> , 14, 2093-2099	8.3	14
147	High-capacity and small-polarization aluminum organic batteries based on sustainable quinone-based cathodes with Al <sup>3+</sup> insertion. <i>Cell Reports Physical Science</i> , <b>2021</b> , 2, 100354	6.1	14
146	Quicker and More Zn Storage Predominantly from the Interface. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100359	24	35
145	Crystal defect modulation in cathode materials for non-lithium ion batteries: Progress and challenges. <i>Materials Today</i> , <b>2021</b> , 45, 169-190	21.8	15
144	Revealing the Multi-Electron Reaction Mechanism of Na V O (PO) <sub>4</sub> F Towards Improved Lithium Storage. <i>ChemSusChem</i> , <b>2021</b> , 14, 2984-2991	8.3	1
143	Sulfur-linked carbonyl polymer as a robust organic cathode for rapid and durable aluminum batteries. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 63, 320-320	12	5
142	Surface pseudocapacitance of mesoporous Mo <sub>3</sub> N <sub>2</sub> nanowire anode toward reversible high-rate sodium-ion storage. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 55, 295-303	12	12

141	Insight into pre-sodiation in Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> /C @ hard carbon full cells for promoting the development of sodium-ion battery. <i>Chemical Engineering Journal</i> , <b>2021</b> , 413, 127565	14.7	13
140	Insights into the storage mechanism of VS <sub>4</sub> nanowire clusters in aluminum-ion battery. <i>Nano Energy</i> , <b>2021</b> , 79, 105384	17.1	28
139	Revealing the Origin of Highly Efficient Polysulfide Anchoring and Transformation on Anion-Substituted Vanadium Nitride Host. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008034	15.6	19
138	Structural properties and electrochemical performance of different polymorphs of Nb <sub>2</sub> O <sub>5</sub> in magnesium-based batteries. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 58, 586-592	12	4
137	Recent Progress and Challenges in the Optimization of Electrode Materials for Rechargeable Magnesium Batteries. <i>Small</i> , <b>2021</b> , 17, e2004108	11	18
136	Electrochemical activation induced multi-valence variation of (NH) <sub>4</sub> VO as a high-performance cathode material for zinc-ion batteries. <i>Chemical Communications</i> , <b>2021</b> , 57, 3615-3618	5.8	7
135	Generating H <sup>+</sup> in Catholyte and OH <sup>-</sup> in Anolyte: An Approach to Improve the Stability of Aqueous Zinc-Ion Batteries. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 684-686	20.1	10
134	CNTs/LiVO <sub>2</sub> /VO Composites with Enhanced Electrochemical Performances as Cathode Materials for Rechargeable Solid-State Lithium Metal Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 8219-8228	9.5	22
133	Unexpected discovery of magnesium-vanadium spinel oxide containing extractable Mg <sup>2+</sup> as a high-capacity cathode material for magnesium ion batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 127005	14.7	11
132	Recovery of kitchen bio-waste from spent black tea as hierarchical biomorphic carbon electrodes for ultra-long lifespan potassium-ion storage. <i>Applied Surface Science</i> , <b>2021</b> , 555, 149675	6.7	8
131	Porous yolk-shell structured Na <sub>3</sub> (VO) <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F microspheres with enhanced Na-ion storage properties. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 83, 83-89	9.1	3
130	MOF derived TiO <sub>2</sub> with reversible magnesium pseudocapacitance for ultralong-life Mg metal batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 418, 128491	14.7	10
129	Designs and applications of multi-functional covalent organic frameworks in rechargeable batteries. <i>Energy Storage Materials</i> , <b>2021</b> , 41, 354-379	19.4	14
128	Fast and stable Mg <sup>2+</sup> intercalation in a high voltage NaV <sub>2</sub> O <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F/rGO cathode material for magnesium-ion batteries. <i>Science China Materials</i> , <b>2020</b> , 63, 1651-1662	7.1	15
127	Highly Efficient Non-Nucleophilic Mg(CFSO)-Based Electrolyte for High-Power Mg/S Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 17474-17480	9.5	24
126	Facile and scalable synthesis of a sulfur, selenium and nitrogen co-doped hard carbon anode for high performance Na- and K-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 14993-15001	13	29
125	Recent Advances in the Rational Design and Synthesis of Two-Dimensional Materials for Multivalent Ion Batteries. <i>ChemSusChem</i> , <b>2020</b> , 13, 1071-1092	8.3	19
124	VOPO <sub>2</sub> H <sub>2</sub> O as a new cathode material for rechargeable Ca-ion batteries. <i>Chemical Communications</i> , <b>2020</b> , 56, 3805-3808	5.8	35

123	Urchin-like Spinel MgV <sub>2</sub> O <sub>4</sub> as a Cathode Material for Aqueous Zinc-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 3681-3688	8.3	43
122	N-Doped carbon coated bismuth nanorods with a hollow structure as an anode for superior-performance potassium-ion batteries. <i>Nanoscale</i> , <b>2020</b> , 12, 4309-4313	7.7	28
121	Self-adaptive FeP@C nanocages for reversible and long-term lithium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 395, 125124	14.7	11
120	Crystal regulation towards rechargeable magnesium battery cathode materials. <i>Materials Horizons</i> , <b>2020</b> , 7, 1971-1995	14.4	33
119	In situ construction of amorphous hierarchical iron oxyhydroxide nanotubes via selective dissolution-regrowth strategy for enhanced lithium storage. <i>Science China Materials</i> , <b>2020</b> , 63, 1993-2001 <sup>1</sup>	7.1	4
118	Constructing volcanic-like mesoporous hard carbon with fast electrochemical kinetics for potassium-ion batteries and hybrid capacitors. <i>Applied Surface Science</i> , <b>2020</b> , 525, 146563	6.7	15
117	Vanadium-Based Nanomaterials: A Promising Family for Emerging Metal-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1904398	15.6	123
116	K <sub>0.23</sub> V <sub>2</sub> O <sub>5</sub> as a promising cathode material for rechargeable aqueous zinc ion batteries with excellent performance. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 819, 152971	5.7	35
115	FeVO <sub>4</sub> ·nH <sub>2</sub> O@rGO nanocomposite as high performance cathode materials for aqueous Zn-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 818, 153372	5.7	29
114	Insight into the capacity decay of layered sodium nickel manganese oxide cathodes in sodium ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 820, 153093	5.7	8
113	Co-Construction of Sulfur Vacancies and Heterojunctions in Tungsten Disulfide to Induce Fast Electronic/Ionic Diffusion Kinetics for Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2020</b> , 32, e2005802	24	100
112	Intercalation-Type V <sub>2</sub> O <sub>3</sub> with Fast Mg <sup>2+</sup> Diffusion Kinetics for High-Capacity and Long-Life Mg-Ion Storage. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 16164-16171	8.3	5
111	Methanol-derived high-performance NaV(PO) <sub>4</sub> /C: from kilogram-scale synthesis to pouch cell safety detection. <i>Nanoscale</i> , <b>2020</b> , 12, 21165-21171	7.7	6
110	Three dimensional porous frameworks for lithium dendrite suppression. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 44, 73-89	12	57
109	Constructing a disorder/order structure for enhanced magnesium storage. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 123049	14.7	8
108	Intercalation pseudocapacitance of FeVO <sub>4</sub> ·nH <sub>2</sub> O nanowires anode for high-energy and high-power sodium-ion capacitor. <i>Nano Energy</i> , <b>2020</b> , 73, 104838	17.1	23
107	Surface Pseudocapacitive Mechanism of Molybdenum Phosphide for High-Energy and High-Power Sodium-Ion Capacitors. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900967	21.8	37
106	Strongly Coupled Pyridine-V O <sub>2</sub> ·nH <sub>2</sub> O Nanowires with Intercalation Pseudocapacitance and Stabilized Layer for High Energy Sodium Ion Capacitors. <i>Small</i> , <b>2019</b> , 15, e1900379	11	26

105	Hierarchical MnO/Graphene Microflowers Fabricated via a Selective Dissolution Strategy for Alkali-Metal-Ion Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 14120-14125	9.5	21
104	Manganese ion pre-intercalated hydrated vanadium oxide as a high-performance cathode for magnesium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 10644-10650	13	39
103	Vanadium Oxide Pillared by Interlayer Mg <sup>2+</sup> Ions and Water as Ultralong-Life Cathodes for Magnesium-Ion Batteries. <i>CheM</i> , <b>2019</b> , 5, 1194-1209	16.2	100
102	Novel hollow Ni <sub>0.33</sub> Co <sub>0.67</sub> Se nanoprisms for high capacity lithium storage. <i>Nano Research</i> , <b>2019</b> , 12, 1371-1374	10	13
101	Metallic silver doped vanadium pentoxide cathode for aqueous rechargeable zinc ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 787, 9-16	5.7	45
100	Uncovering the Cu-driven electrochemical mechanism of transition metal chalcogenides based electrodes. <i>Energy Storage Materials</i> , <b>2019</b> , 16, 625-631	19.4	38
99	Interchain-Expanded Vanadium Tetrasulfide with Fast Kinetics for Rechargeable Magnesium Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 31954-31961	9.5	23
98	A high energy density hybrid magnesium-lithium ion battery based on LiV <sub>3</sub> O <sub>8</sub> @GO cathode. <i>Electrochimica Acta</i> , <b>2019</b> , 320, 134556	6.7	4
97	Salt-controlled dissolution in pigment cathode for high-capacity and long-life magnesium organic batteries. <i>Nano Energy</i> , <b>2019</b> , 65, 103902	17.1	30
96	Recent Advances and Prospects of Cathode Materials for Rechargeable Aqueous Zinc-Ion Batteries. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1900387	4.6	98
95	Polyol Solvation Effect on Tuning the Universal Growth of Binary Metal Oxide Nanodots@Graphene Oxide Heterostructures for Electrochemical Applications. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 14604-14612	4.8	2
94	Revealing the atomistic origin of the disorder-enhanced Na-storage performance in NaFePO <sub>4</sub> battery cathode. <i>Nano Energy</i> , <b>2019</b> , 57, 608-615	17.1	42
93	Alkali ions pre-intercalated layered vanadium oxide nanowires for stable magnesium ions storage. <i>Nano Energy</i> , <b>2019</b> , 58, 347-354	17.1	44
92	Ultrastable and High-Performance Zn/VO <sub>2</sub> Battery Based on a Reversible Single-Phase Reaction. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 699-706	9.6	139
91	Novel NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanowire clusters as high performance cathodes for Mg-Na hybrid-ion batteries. <i>Nano Energy</i> , <b>2019</b> , 55, 526-533	17.1	24
90	Magnesium storage performance and mechanism of CuS cathode. <i>Nano Energy</i> , <b>2018</b> , 47, 210-216	17.1	127
89	Multidimensional Synergistic Nanoarchitecture Exhibiting Highly Stable and Ultrafast Sodium-Ion Storage. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707122	24	94
88	Pseudocapacitive layered iron vanadate nanosheets cathode for ultrahigh-rate lithium ion storage. <i>Nano Energy</i> , <b>2018</b> , 47, 294-300	17.1	70

87	Sodium Ion Stabilized Vanadium Oxide Nanowire Cathode for High-Performance Zinc-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702463	21.8	454
86	Novel layered iron vanadate cathode for high-capacity aqueous rechargeable zinc batteries. <i>Chemical Communications</i> , <b>2018</b> , 54, 4041-4044	5.8	127
85	Amine-assisted synthesis of FeS@N-C porous nanowires for highly reversible lithium storage. <i>Nano Research</i> , <b>2018</b> , 11, 6206-6216	10	14
84	A rechargeable aluminum-ion battery based on a VS nanosheet cathode. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 22563-22568	3.6	62
83	Sodium Ion Capacitor Using Pseudocapacitive Layered Ferric Vanadate Nanosheets Cathode. <i>IScience</i> , <b>2018</b> , 6, 212-221	6.1	53
82	Vanadium-Based Cathode Materials for Rechargeable Multivalent Batteries: Challenges and Opportunities. <i>Electrochemical Energy Reviews</i> , <b>2018</b> , 1, 169-199	29.3	90
81	New anatase phase VTi <sub>2</sub> .6O <sub>7</sub> .2 ultrafine nanocrystals for high-performance rechargeable magnesium-based batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13901-13907	13	16
80	High-rate and long-life VS <sub>2</sub> cathodes for hybrid magnesium-based battery. <i>Energy Storage Materials</i> , <b>2018</b> , 12, 61-68	19.4	77
79	Water-Lubricated Intercalation in V O $\cdot$ H O for High-Capacity and High-Rate Aqueous Rechargeable Zinc Batteries. <i>Advanced Materials</i> , <b>2018</b> , 30, 1703725	24	725
78	Lithium- and Magnesium-Storage Mechanisms of Novel Hexagonal NbSe. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 36988-36995	9.5	23
77	Nanostructured Conversion-Type Negative Electrode Materials for Low-Cost and High-Performance Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1804458	15.6	97
76	Nickel-iron bimetallic diselenides with enhanced kinetics for high-capacity and long-life magnesium batteries. <i>Nano Energy</i> , <b>2018</b> , 54, 360-366	17.1	50
75	Amorphous CuSnO <sub>3</sub> nanospheres anchored on interconnected carbon networks for use as novel anode materials for high-performance sodium ion batteries. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 2756-2762	6.8	13
74	Pseudocapacitive layered birnessite sodium manganese dioxide for high-rate non-aqueous sodium ion capacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 12259-12266	13	24
73	ZnSe Microsphere/Multiwalled Carbon Nanotube Composites as High-Rate and Long-Life Anodes for Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 19626-19632	9.5	74
72	Interlayer-Spacing-Regulated VOPO Nanosheets with Fast Kinetics for High-Capacity and Durable Rechargeable Magnesium Batteries. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801984	24	115
71	Layered VS <sub>2</sub> Nanosheet-Based Aqueous Zn Ion Battery Cathode. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601920	21.8	680
70	A high-voltage rechargeable magnesium-sodium hybrid battery. <i>Nano Energy</i> , <b>2017</b> , 34, 188-194	17.1	61

69	Emerging Prototype Sodium-Ion Full Cells with Nanostructured Electrode Materials. <i>Small</i> , <b>2017</b> , 13, 1604181	11	88
68	Operando X-ray Diffraction Characterization for Understanding the Intrinsic Electrochemical Mechanism in Rechargeable Battery Materials. <i>Small Methods</i> , <b>2017</b> , 1, 1700083	12.8	42
67	KTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> with Large Ion Diffusion Channel for High-Efficiency Sodium Storage. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700247	21.8	17
66	Pseudocapacitive titanium oxynitride mesoporous nanowires with iso-oriented nanocrystals for ultrahigh-rate sodium ion hybrid capacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 10827-10835	13	73
65	VO Nanoflakes as the Cathode Material of Hybrid Magnesium-Lithium-Ion Batteries with High Energy Density. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 17060-17066	9.5	82
64	FeSe <sub>2</sub> clusters with excellent cyclability and rate capability for sodium-ion batteries. <i>Nano Research</i> , <b>2017</b> , 10, 3202-3211	10	69
63	Robust LiTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> microflowers as high-rate and long-life cathodes for Mg-based hybrid-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 13950-13956	13	24
62	Structural and chemical synergistic effect of CoS nanoparticles and porous carbon nanorods for high-performance sodium storage. <i>Nano Energy</i> , <b>2017</b> , 35, 281-289	17.1	211
61	Novel layer-by-layer stacked VS <sub>2</sub> nanosheets with intercalation pseudocapacitance for high-rate sodium ion charge storage. <i>Nano Energy</i> , <b>2017</b> , 35, 396-404	17.1	239
60	New-type K <sub>0.7</sub> Fe <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> cathode with an expanded and stabilized interlayer structure for high-capacity sodium-ion batteries. <i>Nano Energy</i> , <b>2017</b> , 35, 71-78	17.1	47
59	Three-dimensional graphene frameworks wrapped Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> with reversible topotactic sodium-ion storage. <i>Nano Energy</i> , <b>2017</b> , 32, 347-352	17.1	44
58	NiSe Nanooctahedra as an Anode Material for High-Rate and Long-Life Sodium-Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 311-316	9.5	182
57	Robust three-dimensional graphene skeleton encapsulated Na <sub>3</sub> V <sub>2</sub> O <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F nanoparticles as a high-rate and long-life cathode of sodium-ion batteries. <i>Nano Energy</i> , <b>2017</b> , 41, 452-459	17.1	78
56	Mesoporous NiS Nanospheres Anode with Pseudocapacitance for High-Rate and Long-Life Sodium-Ion Battery. <i>Small</i> , <b>2017</b> , 13, 1701744	11	121
55	Self-adaptive mesoporous CoS@alveolus-like carbon yolk-shell microsphere for alkali cations storage. <i>Nano Energy</i> , <b>2017</b> , 41, 109-116	17.1	64
54	Fast kinetics of magnesium monochloride cations in interlayer-expanded titanium disulfide for magnesium rechargeable batteries. <i>Nature Communications</i> , <b>2017</b> , 8, 339	17.4	220
53	Nanoribbons and nanoscrolls intertwined three-dimensional vanadium oxide hydrogels for high-rate lithium storage at high mass loading level. <i>Nano Energy</i> , <b>2017</b> , 40, 73-81	17.1	37
52	HVO Nanowires as High-Capacity Cathode Materials for Magnesium-Based Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 28667-28673	9.5	69

51	High-Performance Aqueous Zinc-Ion Battery Based on Layered H V O Nanowire Cathode. <i>Small</i> , <b>2017</b> , 13, 1702551	11	335
50	Greigite FeS as a new anode material for high-performance sodium-ion batteries. <i>Chemical Science</i> , <b>2017</b> , 8, 160-164	9.4	99
49	Cathodic polarization suppressed sodium-ion full cell with a 3.3 V high-voltage. <i>Nano Energy</i> , <b>2016</b> , 28, 216-223	17.1	76
48	Mixed-phase mullite electrocatalyst for pH-neutral oxygen reduction in magnesium-air batteries. <i>Nano Energy</i> , <b>2016</b> , 27, 8-16	17.1	63
47	Flexible additive free H <sub>2</sub> V <sub>3</sub> O <sub>8</sub> nanowire membrane as cathode for sodium ion batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 12074-9	3.6	60
46	Novel layered Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /rGO&C sheets as high-rate and long-life lithium ion battery cathodes. <i>Chemical Communications</i> , <b>2016</b> , 52, 8730-2	5.8	24
45	Flexible electrode for long-life rechargeable sodium-ion batteries: effect of oxygen vacancy in MoO <sub>3</sub> . <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 5402-5405	13	71
44	Layer-by-Layer Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Embedded in Reduced Graphene Oxide as Superior Rate and Ultralong-Life Sodium-Ion Battery Cathode. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600389	21.8	225
43	A High-Rate V <sub>2</sub> O <sub>5</sub> Hollow Microclew Cathode for an All-Vanadium-Based Lithium-Ion Full Cell. <i>Small</i> , <b>2016</b> , 12, 1082-90	11	44
42	In operando observation of temperature-dependent phase evolution in lithium-incorporation olivine cathode. <i>Nano Energy</i> , <b>2016</b> , 22, 406-413	17.1	24
41	Low-temperature solution-processed p-type vanadium oxide for perovskite solar cells. <i>Chemical Communications</i> , <b>2016</b> , 52, 8099-102	5.8	55
40	Graphene wrapped NASICON-type Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> nanoparticles as a ultra-high rate cathode for sodium ion batteries. <i>Nano Energy</i> , <b>2016</b> , 24, 130-138	17.1	49
39	Self-sacrificed synthesis of three-dimensional Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanofiber network for high-rate sodium-ion full batteries. <i>Nano Energy</i> , <b>2016</b> , 25, 145-153	17.1	186
38	Cycling-Stable Cathodes: The Capturing of Ionized Oxygen in Sodium Vanadium Oxide Nanorods Cathodes under Operando Conditions (Adv. Funct. Mater. 36/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 6498-6498	15.6	
37	The Capturing of Ionized Oxygen in Sodium Vanadium Oxide Nanorods Cathodes under Operando Conditions. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 6555-6562	15.6	15
36	Hydrated vanadium pentoxide with superior sodium storage capacity. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 8070-8075	13	146
35	Lattice Breathing Inhibited Layered Vanadium Oxide Ultrathin Nanobelts for Enhanced Sodium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 18211-7	9.5	76
34	Self-template synthesis of hollow shell-controlled Li <sub>3</sub> VO <sub>4</sub> as a high-performance anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 18839-18842	13	48



33	Vanadium Sulfide on Reduced Graphene Oxide Layer as a Promising Anode for Sodium Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 20902-8	9.5	171
32	Energy Storage: Novel Polygonal Vanadium Oxide Nanoscrolls as Stable Cathode for Lithium Storage (Adv. Funct. Mater. 12/2015). <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1766-1766	15.6	
31	Enhancing sodium-ion battery performance with interlayer-expanded MoS <sub>2</sub> /PEO nanocomposites. <i>Nano Energy</i> , <b>2015</b> , 15, 453-461	17.1	219
30	Graphene decorated vanadium oxide nanowire aerogel for long-cycle-life magnesium battery cathodes. <i>Nano Energy</i> , <b>2015</b> , 18, 265-272	17.1	134
29	Three-dimensional porous V <sub>2</sub> O <sub>5</sub> hierarchical octahedrons with adjustable pore architectures for long-life lithium batteries. <i>Nano Research</i> , <b>2015</b> , 8, 481-490	10	67
28	Nanoflake-Assembled Hierarchical Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C Microflowers: Superior Li Storage Performance and Insertion/Extraction Mechanism. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1401963	21.8	144
27	Three-Dimensional Interconnected Vanadium Pentoxide Nanonetwork Cathode for High-Rate Long-Life Lithium Batteries. <i>Small</i> , <b>2015</b> , 11, 2654-60	11	52
26	Novel Polygonal Vanadium Oxide Nanoscrolls as Stable Cathode for Lithium Storage. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1773-1779	15.6	49
25	Top-down fabrication of three-dimensional porous V <sub>2</sub> O <sub>5</sub> hierarchical microplates with tunable porosity for improved lithium battery performance. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 3297-3302 <sup>13</sup>		72
24	Amorphous vanadium oxide matrixes supporting hierarchical porous Fe <sub>3</sub> O <sub>4</sub> /graphene nanowires as a high-rate lithium storage anode. <i>Nano Letters</i> , <b>2014</b> , 14, 6250-6	11.5	224
23	Electrochemical Nanowire Devices for Energy Storage. <i>IEEE Nanotechnology Magazine</i> , <b>2014</b> , 13, 10-15	2.6	7
22	A unique hollow Li <sub>3</sub> VO <sub>4</sub> /carbon nanotube composite anode for high rate long-life lithium-ion batteries. <i>Nanoscale</i> , <b>2014</b> , 6, 11072-7	7.7	77
21	Ultralong H <sub>2</sub> V <sub>3</sub> O <sub>8</sub> nanowire bundles as a promising cathode for lithium batteries. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 2075-2080	3.6	31
20	Mesoporous VO <sub>2</sub> nanowires with excellent cycling stability and enhanced rate capability for lithium batteries. <i>RSC Advances</i> , <b>2014</b> , 4, 33332-33337	3.7	45
19	One-Pot synthesized bicontinuous hierarchical Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C mesoporous nanowires for high-rate and ultralong-life lithium-ion batteries. <i>Nano Letters</i> , <b>2014</b> , 14, 1042-8	11.5	216
18	Novel Li <sub>2</sub> MnO <sub>4</sub> nanowire anode with internal Li-enrichment for use in a Li-ion battery. <i>Nanoscale</i> , <b>2014</b> , 6, 8124-9	7.7	17
17	A Bowknot-like RuO <sub>2</sub> quantum dots@V <sub>2</sub> O <sub>5</sub> cathode with largely improved electrochemical performance. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 18680-5	3.6	16
16	Hierarchical Carbon Decorated Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as a Bicontinuous Cathode with High-Rate Capability and Broad Temperature Adaptability. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1400107	21.8	65

15	Metastable amorphous chromium-vanadium oxide nanoparticles with superior performance as a new lithium battery cathode. <i>Nano Research</i> , <b>2014</b> , 7, 1604-1612	10	16
14	Nanoflakes-assembled three-dimensional hollow-porous $\text{V}_2\text{O}_5$ as lithium storage cathodes with high-rate capacity. <i>Small</i> , <b>2014</b> , 10, 3032-7	11	84
13	Nanoscroll buffered hybrid nanostructural $\text{VO}_2$ (B) cathodes for high-rate and long-life lithium storage. <i>Advanced Materials</i> , <b>2013</b> , 25, 2969-73	24	186
12	Supercritically exfoliated ultrathin vanadium pentoxide nanosheets with high rate capability for lithium batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 16828-33	3.6	63
11	Cucumber-like $\text{V}_2\text{O}_5$ /poly(3,4-ethylenedioxythiophene)& $\text{MnO}_2$ nanowires with enhanced electrochemical cyclability. <i>Nano Letters</i> , <b>2013</b> , 13, 740-5	11.5	182
10	$\text{V}_2\text{O}_5$ quantum dots/graphene hybrid nanocomposite with stable cyclability for advanced lithium batteries. <i>Nano Energy</i> , <b>2013</b> , 2, 916-922	17.1	66
9	Pore-controlled synthesis of $\text{Mn}_2\text{O}_3$ microspheres for ultralong-life lithium storage electrode. <i>RSC Advances</i> , <b>2013</b> , 3, 1947-1952	3.7	67
8	Nanowire templated semihollow bicontinuous graphene scrolls: designed construction, mechanism, and enhanced energy storage performance. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 18176-82	16.4	168
7	Hybrid Nanostructures: Nanoscroll Buffered Hybrid Nanostructural $\text{VO}_2$ (B) Cathodes for High-Rate and Long-Life Lithium Storage (Adv. Mater. 21/2013). <i>Advanced Materials</i> , <b>2013</b> , 25, 2968-2968	24	3
6	Substrate-assisted self-organization of radial $\text{AgVO}_3$ nanowire clusters for high rate rechargeable lithium batteries. <i>Nano Letters</i> , <b>2012</b> , 12, 4668-73	11.5	54
5	Topotactically synthesized ultralong $\text{LiV}_3\text{O}_8$ nanowire cathode materials for high-rate and long-life rechargeable lithium batteries. <i>NPG Asia Materials</i> , <b>2012</b> , 4, e20-e20	10.3	84
4	Hierarchical mesoporous perovskite $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_{2.91}$ nanowires with ultrahigh capacity for Li-air batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 19569-74	11.5	288
3	Building carbon cloth-based dendrite-free potassium metal anodes for potassium metal pouch cells. <i>Journal of Materials Chemistry A</i> ,	13	5
2	$\text{CaV}_6\text{O}_{16} \cdot 0.8\text{H}_2\text{O}$ with $\text{Ca}^{2+}$ Pillar and Water Lubrication as a High-Rate and Long-Life Cathode Material for Ca-Ion Batteries. <i>Advanced Functional Materials</i> , 2113030	15.6	1
1	Flexible three-dimensional-networked iron vanadate nanosheet arrays/carbon cloths as high-performance cathodes for magnesium ion batteries. <i>Science China Materials</i> , 1	7.1	1