Qinyou An

List of Publications by Citations

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	Water-Lubricated Intercalation in V O □nH O for High-Capacity and High-Rate Aqueous Rechargeable Zinc Batteries. *Advanced Materials*, **2018**, 30, 1703725	24	725
157	Layered VS2 Nanosheet-Based Aqueous Zn Ion Battery Cathode. *Advanced Energy Materials*, **2017**, 7, 1601920	21.8	680
156	Sodium Ion Stabilized Vanadium Oxide Nanowire Cathode for High-Performance Zinc-Ion Batteries. *Advanced Energy Materials*, **2018**, 8, 1702463	21.8	454
155	High-Performance Aqueous Zinc-Ion Battery Based on Layered H V O Nanowire Cathode. *Small*, **2017**, 13, 1702551	11	335
154	Hierarchical mesoporous perovskite La0.5Sr0.5CoO2.91 nanowires with ultrahigh capacity for Li-air batteries. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 19569-74	11.5	288
153	Novel layer-by-layer stacked VS2 nanosheets with intercalation pseudocapacitance for high-rate sodium ion charge storage. *Nano Energy*, **2017**, 35, 396-404	17.1	239
152	Layer-by-Layer Na3V2(PO4)3 Embedded in Reduced Graphene Oxide as Superior Rate and Ultralong-Life Sodium-Ion Battery Cathode. *Advanced Energy Materials*, **2016**, 6, 1600389	21.8	225
151	Amorphous vanadium oxide matrixes supporting hierarchical porous Fe3O4/graphene nanowires as a high-rate lithium storage anode. *Nano Letters*, **2014**, 14, 6250-6	11.5	224
150	Fast kinetics of magnesium monochloride cations in interlayer-expanded titanium disulfide for magnesium rechargeable batteries. *Nature Communications*, **2017**, 8, 339	17.4	220
149	Enhancing sodium-ion battery performance with interlayer-expanded MoS2□PEO nanocomposites. *Nano Energy*, **2015**, 15, 453-461	17.1	219
148	One-Pot synthesized bicontinuous hierarchical Li3V2(PO4)3/C mesoporous nanowires for high-rate and ultralong-life lithium-ion batteries. *Nano Letters*, **2014**, 14, 1042-8	11.5	216
147	Structural and chemical synergistic effect of CoS nanoparticles and porous carbon nanorods for high-performance sodium storage. *Nano Energy*, **2017**, 35, 281-289	17.1	211
146	Nanoscroll buffered hybrid nanostructural VO2 (B) cathodes for high-rate and long-life lithium storage. *Advanced Materials*, **2013**, 25, 2969-73	24	186
145	Self-sacrificed synthesis of three-dimensional Na3V2(PO4)3 nanofiber network for high-rate sodium□on full batteries. *Nano Energy*, **2016**, 25, 145-153	17.1	186
144	NiSe Nanooctahedra as an Anode Material for High-Rate and Long-Life Sodium-Ion Battery. *ACS Applied Materials & Interfaces*, **2017**, 9, 311-316	9.5	182
143	Cucumber-like V2O5/poly(3,4-ethylenedioxythiophene)&MnO2 nanowires with enhanced electrochemical cyclability. *Nano Letters*, **2013**, 13, 740-5	11.5	182
142	Vanadium Sulfide on Reduced Graphene Oxide Layer as a Promising Anode for Sodium Ion Battery. *ACS Applied Materials & Interfaces*, **2015**, 7, 20902-8	9.5	171

141	Nanowire templated semihollow bicontinuous graphene scrolls: designed construction, mechanism, and enhanced energy storage performance. *Journal of the American Chemical Society*, **2013**, 135, 18176-82	16.4	168
140	Hydrated vanadium pentoxide with superior sodium storage capacity. *Journal of Materials Chemistry A*, **2015**, 3, 8070-8075	13	146
139	Nanoflake-Assembled Hierarchical Na3V2(PO4)3/C Microflowers: Superior Li Storage Performance and Insertion/Extraction Mechanism. *Advanced Energy Materials*, **2015**, 5, 1401963	21.8	144
138	Ultrastable and High-Performance Zn/VO2 Battery Based on a Reversible Single-Phase Reaction. *Chemistry of Materials*, **2019**, 31, 699-706	9.6	139
137	Graphene decorated vanadium oxide nanowire aerogel for long-cycle-life magnesium battery cathodes. *Nano Energy*, **2015**, 18, 265-272	17.1	134
136	Magnesium storage performance and mechanism of CuS cathode. *Nano Energy*, **2018**, 47, 210-216	17.1	127
135	Novel layered iron vanadate cathode for high-capacity aqueous rechargeable zinc batteries. *Chemical Communications*, **2018**, 54, 4041-4044	5.8	127
134	Vanadium-Based Nanomaterials: A Promising Family for Emerging Metal-Ion Batteries. *Advanced Functional Materials*, **2020**, 30, 1904398	15.6	123
133	Mesoporous NiS Nanospheres Anode with Pseudocapacitance for High-Rate and Long-Life Sodium-Ion Battery. *Small*, **2017**, 13, 1701744	11	121
132	Interlayer-Spacing-Regulated VOPO Nanosheets with Fast Kinetics for High-Capacity and Durable Rechargeable Magnesium Batteries. *Advanced Materials*, **2018**, 30, e1801984	24	115
131	Vanadium Oxide Pillared by Interlayer Mg2+ Ions and Water as Ultralong-Life Cathodes for Magnesium-Ion Batteries. *CheM*, **2019**, 5, 1194-1209	16.2	100
130	Co-Construction of Sulfur Vacancies and Heterojunctions in Tungsten Disulfide to Induce Fast Electronic/Ionic Diffusion Kinetics for Sodium-Ion Batteries. *Advanced Materials*, **2020**, 32, e2005802	24	100
129	Greigite FeS as a new anode material for high-performance sodium-ion batteries. *Chemical Science*, **2017**, 8, 160-164	9.4	99
128	Recent Advances and Prospects of Cathode Materials for Rechargeable Aqueous Zinc-Ion Batteries. *Advanced Materials Interfaces*, **2019**, 6, 1900387	4.6	98
127	Nanostructured Conversion-Type Negative Electrode Materials for Low-Cost and High-Performance Sodium-Ion Batteries. *Advanced Functional Materials*, **2018**, 28, 1804458	15.6	97
126	Multidimensional Synergistic Nanoarchitecture Exhibiting Highly Stable and Ultrafast Sodium-Ion Storage. *Advanced Materials*, **2018**, 30, e1707122	24	94
125	Vanadium-Based Cathode Materials for Rechargeable Multivalent Batteries: Challenges and Opportunities. *Electrochemical Energy Reviews*, **2018**, 1, 169-199	29.3	90
124	Emerging Prototype Sodium-Ion Full Cells with Nanostructured Electrode Materials. *Small*, **2017**, 13, 1604181	11	88

123	Nanoflakes-assembled three-dimensional hollow-porous v2 o5 as lithium storage cathodes with high-rate capacity. *Small*, **2014**, 10, 3032-7	11	84
122	Topotactically synthesized ultralong LiV3O8 nanowire cathode materials for high-rate and long-life rechargeable lithium batteries. *NPG Asia Materials*, **2012**, 4, e20-e20	10.3	84
121	VO Nanoflakes as the Cathode Material of Hybrid Magnesium-Lithium-Ion Batteries with High Energy Density. *ACS Applied Materials & Interfaces*, **2017**, 9, 17060-17066	9.5	82
120	Robust three-dimensional graphene skeleton encapsulated Na3V2O2(PO4)2F nanoparticles as a high-rate and long-life cathode of sodium-ion batteries. *Nano Energy*, **2017**, 41, 452-459	17.1	78
119	A unique hollow Li3VO4/carbon nanotube composite anode for high rate long-life lithium-ion batteries. *Nanoscale*, **2014**, 6, 11072-7	7.7	77
118	High-rate and long-life VS2 cathodes for hybrid magnesium-based battery. *Energy Storage Materials* , **2018**, 12, 61-68	19.4	77
117	Lattice Breathing Inhibited Layered Vanadium Oxide Ultrathin Nanobelts for Enhanced Sodium Storage. *ACS Applied Materials & Interfaces*, **2015**, 7, 18211-7	9.5	76
116	Cathodic polarization suppressed sodium-ion full cell with a 3.3 V high-voltage. *Nano Energy*, **2016**, 28, 216-223	17.1	76
115	ZnSe Microsphere/Multiwalled Carbon Nanotube Composites as High-Rate and Long-Life Anodes for Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 19626-19632	9.5	74
114	Pseudocapacitive titanium oxynitride mesoporous nanowires with iso-oriented nanocrystals for ultrahigh-rate sodium ion hybrid capacitors. *Journal of Materials Chemistry A*, **2017**, 5, 10827-10835	13	73
113	Top-down fabrication of three-dimensional porous V2O5 hierarchical microplates with tunable porosity for improved lithium battery performance. *Journal of Materials Chemistry A*, **2014**, 2, 3297-3302	13	72
112	Flexible electrode for long-life rechargeable sodium-ion batteries: effect of oxygen vacancy in MoO3□. *Journal of Materials Chemistry A*, **2016**, 4, 5402-5405	13	71
111	Pseudocapacitive layered iron vanadate nanosheets cathode for ultrahigh-rate lithium ion storage. *Nano Energy*, **2018**, 47, 294-300	17.1	70
110	FeSe2 clusters with excellent cyclability and rate capability for sodium-ion batteries. *Nano Research*, **2017**, 10, 3202-3211	10	69
109	HVO Nanowires as High-Capacity Cathode Materials for Magnesium-Based Battery. *ACS Applied Materials & Interfaces*, **2017**, 9, 28667-28673	9.5	69
108	Three-dimensional porous V2O5 hierarchical octahedrons with adjustable pore architectures for long-life lithium batteries. *Nano Research*, **2015**, 8, 481-490	10	67
107	Pore-controlled synthesis of Mn2O3 microspheres for ultralong-life lithium storage electrode. *RSC Advances*, **2013**, 3, 1947-1952	3.7	67
106	V2O5 quantum dots/graphene hybrid nanocomposite with stable cyclability for advanced lithium batteries. *Nano Energy*, **2013**, 2, 916-922	17.1	66

105	Hierarchical Carbon Decorated Li3V2(PO4)3 as a Bicontinuous Cathode with High-Rate Capability and Broad Temperature Adaptability. *Advanced Energy Materials*, **2014**, 4, 1400107	21.8	65
104	Self-adaptive mesoporous CoS@alveolus-like carbon yolk-shell microsphere for alkali cations storage. *Nano Energy*, **2017**, 41, 109-116	17.1	64
103	Mixed-phase mullite electrocatalyst for pH-neutral oxygen reduction in magnesium-air batteries. *Nano Energy*, **2016**, 27, 8-16	17.1	63
102	Supercritically exfoliated ultrathin vanadium pentoxide nanosheets with high rate capability for lithium batteries. *Physical Chemistry Chemical Physics*, **2013**, 15, 16828-33	3.6	63
101	A rechargeable aluminum-ion battery based on a VS nanosheet cathode. *Physical Chemistry Chemical Physics*, **2018**, 20, 22563-22568	3.6	62
100	A high-voltage rechargeable magnesium-sodium hybrid battery. *Nano Energy*, **2017**, 34, 188-194	17.1	61
99	Flexible additive free H2V3O8 nanowire membrane as cathode for sodium ion batteries. *Physical Chemistry Chemical Physics*, **2016**, 18, 12074-9	3.6	60
98	Three dimensional porous frameworks for lithium dendrite suppression. *Journal of Energy Chemistry*, **2020**, 44, 73-89	12	57
97	Low-temperature solution-processed p-type vanadium oxide for perovskite solar cells. *Chemical Communications*, **2016**, 52, 8099-102	5.8	55
96	Substrate-assisted self-organization of radial □AgVO□hanowire clusters for high rate rechargeable lithium batteries. *Nano Letters*, **2012**, 12, 4668-73	11.5	54
95	Sodium Ion Capacitor Using Pseudocapacitive Layered Ferric Vanadate Nanosheets Cathode. *IScience*, **2018**, 6, 212-221	6.1	53
94	Three-Dimensional Interconnected Vanadium Pentoxide Nanonetwork Cathode for High-Rate Long-Life Lithium Batteries. *Small*, **2015**, 11, 2654-60	11	52
93	Nickel-iron bimetallic diselenides with enhanced kinetics for high-capacity and long-life magnesium batteries. *Nano Energy*, **2018**, 54, 360-366	17.1	50
92	Novel Polygonal Vanadium Oxide Nanoscrolls as Stable Cathode for Lithium Storage. *Advanced Functional Materials*, **2015**, 25, 1773-1779	15.6	49
91	Graphene wrapped NASICON-type Fe2(MoO4)3 nanoparticles as a ultra-high rate cathode for sodium ion batteries. *Nano Energy*, **2016**, 24, 130-138	17.1	49
90	Self-template synthesis of hollow shell-controlled Li3VO4 as a high-performance anode for lithium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 18839-18842	13	48
89	New-type K0.7Fe0.5Mn0.5O2 cathode with an expanded and stabilized interlayer structure for high-capacity sodium-ion batteries. *Nano Energy*, **2017**, 35, 71-78	17.1	47
88	Metallic silver doped vanadium pentoxide cathode for aqueous rechargeable zinc ion batteries. *Journal of Alloys and Compounds*, **2019**, 787, 9-16	5.7	45

87	Mesoporous VO2 nanowires with excellent cycling stability and enhanced rate capability for lithium batteries. *RSC Advances*, **2014**, 4, 33332-33337	3.7	45
86	Three-dimensional graphene frameworks wrapped Li3V2(PO4)3 with reversible topotactic sodium-ion storage. *Nano Energy*, **2017**, 32, 347-352	17.1	44
85	A High-Rate V2 O5 Hollow Microclew Cathode for an All-Vanadium-Based Lithium-Ion Full Cell. *Small*, **2016**, 12, 1082-90	11	44
84	Alkali ions pre-intercalated layered vanadium oxide nanowires for stable magnesium ions storage. *Nano Energy*, **2019**, 58, 347-354	17.1	44
83	Urchin-like Spinel MgV2O4 as a Cathode Material for Aqueous Zinc-Ion Batteries. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 3681-3688	8.3	43
82	Operando X-ray Diffraction Characterization for Understanding the Intrinsic Electrochemical Mechanism in Rechargeable Battery Materials. *Small Methods*, **2017**, 1, 1700083	12.8	42
81	Revealing the atomistic origin of the disorder-enhanced Na-storage performance in NaFePO4 battery cathode. *Nano Energy*, **2019**, 57, 608-615	17.1	42
80	Manganese ion pre-intercalated hydrated vanadium oxide as a high-performance cathode for magnesium ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 10644-10650	13	39
79	Uncovering the Cu-driven electrochemical mechanism of transition metal chalcogenides based electrodes. *Energy Storage Materials*, **2019**, 16, 625-631	19.4	38
78	Surface Pseudocapacitive Mechanism of Molybdenum Phosphide for High-Energy and High-Power Sodium-Ion Capacitors. *Advanced Energy Materials*, **2019**, 9, 1900967	21.8	37
77	Nanoribbons and nanoscrolls intertwined three-dimensional vanadium oxide hydrogels for high-rate lithium storage at high mass loading level. *Nano Energy*, **2017**, 40, 73-81	17.1	37
76	VOPO□2HO as a new cathode material for rechargeable Ca-ion batteries. *Chemical Communications*, **2020**, 56, 3805-3808	5.8	35
75	K0.23V2O5 as a promising cathode material for rechargeable aqueous zinc ion batteries with excellent performance. *Journal of Alloys and Compounds*, **2020**, 819, 152971	5.7	35
74	Quicker and More Zn Storage Predominantly from the Interface. *Advanced Materials*, **2021**, 33, e2100359	24	35
73	Crystal regulation towards rechargeable magnesium battery cathode materials. *Materials Horizons*, **2020**, 7, 1971-1995	14.4	33
72	Ultralong H2V3O8 nanowire bundles as a promising cathode for lithium batteries. *New Journal of Chemistry*, **2014**, 38, 2075-2080	3.6	31
71	Salt-controlled dissolution in pigment cathode for high-capacity and long-life magnesium organic batteries. *Nano Energy*, **2019**, 65, 103902	17.1	30
70	Facile and scalable synthesis of a sulfur, selenium and nitrogen co-doped hard carbon anode for high performance Na- and K-ion batteries. *Journal of Materials Chemistry A*, **2020**, 8, 14993-15001	13	29

69	FeVO4?nH2O@rGO nanocomposite as high performance cathode materials for aqueous Zn-ion batteries. *Journal of Alloys and Compounds*, **2020**, 818, 153372	5.7	29
68	N-Doped carbon coated bismuth nanorods with a hollow structure as an anode for superior-performance potassium-ion batteries. *Nanoscale*, **2020**, 12, 4309-4313	7.7	28
67	Insights into the storage mechanism of VS4 nanowire clusters in aluminum-ion battery. *Nano Energy*, **2021**, 79, 105384	17.1	28
66	Strongly Coupled Pyridine-V O hH O Nanowires with Intercalation Pseudocapacitance and Stabilized Layer for High Energy Sodium Ion Capacitors. *Small*, **2019**, 15, e1900379	11	26
65	Robust LiTi2(PO4)3 microflowers as high-rate and long-life cathodes for Mg-based hybrid-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 13950-13956	13	24
64	Highly Efficient Non-Nucleophilic Mg(CFSO)-Based Electrolyte for High-Power Mg/S Battery. *ACS Applied Materials & Interfaces*, **2020**, 12, 17474-17480	9.5	24
63	Novel layered Li3V2(PO4)3/rGO&C sheets as high-rate and long-life lithium ion battery cathodes. *Chemical Communications*, **2016**, 52, 8730-2	5.8	24
62	In operando observation of temperature-dependent phase evolution in lithium-incorporation olivine cathode. *Nano Energy*, **2016**, 22, 406-413	17.1	24
61	Novel NaTi2(PO4)3 nanowire clusters as high performance cathodes for Mg-Na hybrid-ion batteries. *Nano Energy*, **2019**, 55, 526-533	17.1	24
60	Pseudocapacitive layered birnessite sodium manganese dioxide for high-rate non-aqueous sodium ion capacitors. *Journal of Materials Chemistry A*, **2018**, 6, 12259-12266	13	24
59	Interchain-Expanded Vanadium Tetrasulfide with Fast Kinetics for Rechargeable Magnesium Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 31954-31961	9.5	23
58	Intercalation pseudocapacitance of FeVO4hH2O nanowires anode for high-energy and high-power sodium-ion capacitor. *Nano Energy*, **2020**, 73, 104838	17.1	23
57	Lithium- and Magnesium-Storage Mechanisms of Novel Hexagonal NbSe. *ACS Applied Materials & Interfaces*, **2018**, 10, 36988-36995	9.5	23
56	Hierarchical MnO/Graphene Microflowers Fabricated via a Selective Dissolution Strategy for Alkali-Metal-Ion Storage. *ACS Applied Materials & Interfaces*, **2019**, 11, 14120-14125	9.5	21
55	Recent Advances in the Rational Design and Synthesis of Two-Dimensional Materials for Multivalent Ion Batteries. *ChemSusChem*, **2020**, 13, 1071-1092	8.3	19
54	Revealing the Origin of Highly Efficient Polysulfide Anchoring and Transformation on Anion-Substituted Vanadium Nitride Host. *Advanced Functional Materials*, **2021**, 31, 2008034	15.6	19
53	Recent Progress and Challenges in the Optimization of Electrode Materials for Rechargeable Magnesium Batteries. *Small*, **2021**, 17, e2004108	11	18
52	KTi2(PO4)3 with Large Ion Diffusion Channel for High-Efficiency Sodium Storage. *Advanced Energy Materials*, **2017**, 7, 1700247	21.8	17

51	Novel Li$_x$MnO$_y$ nanowire anode with internal Li-enrichment for use in a Li-ion battery. *Nanoscale*, **2014**, 6, 8124-9	7.7	17
50	New anatase phase VTi2.6O7.2 ultrafine nanocrystals for high-performance rechargeable magnesium-based batteries. *Journal of Materials Chemistry A*, **2018**, 6, 13901-13907	13	16
49	A Bowknot-like RuO2 quantum dots@V2O5 cathode with largely improved electrochemical performance. *Physical Chemistry Chemical Physics*, **2014**, 16, 18680-5	3.6	16
48	Metastable amorphous chromium-vanadium oxide nanoparticles with superior performance as a new lithium battery cathode. *Nano Research*, **2014**, 7, 1604-1612	10	16
47	Fast and stable Mg2+ intercalation in a high voltage NaV2O2(PO4)2F/rGO cathode material for magnesium-ion batteries. *Science China Materials*, **2020**, 63, 1651-1662	7.1	15
46	Constructing volcanic-like mesoporous hard carbon with fast electrochemical kinetics for potassium-ion batteries and hybrid capacitors. *Applied Surface Science*, **2020**, 525, 146563	6.7	15
45	Crystal defect modulation in cathode materials for non-lithium ion batteries: Progress and challenges. *Materials Today*, **2021**, 45, 169-190	21.8	15
44	The Capturing of Ionized Oxygen in Sodium Vanadium Oxide Nanorods Cathodes under Operando Conditions. *Advanced Functional Materials*, **2016**, 26, 6555-6562	15.6	15
43	Amine-assisted synthesis of FeS@N-C porous nanowires for highly reversible lithium storage. *Nano Research*, **2018**, 11, 6206-6216	10	14
42	Organic-Inorganic Superlattices of Vanadium Oxide@Polyaniline for High-Performance Magnesium-Ion Batteries. *ChemSusChem*, **2021**, 14, 2093-2099	8.3	14
41	High-capacity and small-polarization aluminum organic batteries based on sustainable quinone-based cathodes with Al3+ insertion. *Cell Reports Physical Science*, **2021**, 2, 100354	6.1	14
40	Designs and applications of multi-functional covalent organic frameworks in rechargeable batteries. *Energy Storage Materials*, **2021**, 41, 354-379	19.4	14
39	Novel hollow Ni0.33Co0.67Se nanoprisms for high capacity lithium storage. *Nano Research*, **2019**, 12, 1371-1374	10	13
38	Insight into pre-sodiation in Na3V2(PO4)2F3/C @ hard carbon full cells for promoting the development of sodium-ion battery. *Chemical Engineering Journal*, **2021**, 413, 127565	14.7	13
37	Amorphous CuSnO3 nanospheres anchored on interconnected carbon networks for use as novel anode materials for high-performance sodium ion batteries. *Inorganic Chemistry Frontiers*, **2018**, 5, 2756-2762	6.8	13
36	Surface pseudocapacitance of mesoporous Mo3N2 nanowire anode toward reversible high-rate sodium-ion storage. *Journal of Energy Chemistry*, **2021**, 55, 295-303	12	12
35	Self-adaptive FeP@C nanocages for reversible and long-term lithium-ion batteries. *Chemical Engineering Journal*, **2020**, 395, 125124	14.7	11
34	Unexpected discovery of magnesium-vanadium spinel oxide containing extractable Mg2+ as a high-capacity cathode material for magnesium ion batteries. *Chemical Engineering Journal*, **2021**, 405, 127005	14.7	11

33	Generating H+ in Catholyte and OH□n Anolyte: An Approach to Improve the Stability of Aqueous Zinc-Ion Batteries. *ACS Energy Letters*, **2021**, 6, 684-686	20.1	10
32	MOF derived TiO2 with reversible magnesium pseudocapacitance for ultralong-life Mg metal batteries. *Chemical Engineering Journal*, **2021**, 418, 128491	14.7	10
31	Insight into the capacity decay of layered sodium nickel manganese oxide cathodes in sodium ion batteries. *Journal of Alloys and Compounds*, **2020**, 820, 153093	5.7	8
30	Constructing a disorder/order structure for enhanced magnesium storage. *Chemical Engineering Journal*, **2020**, 382, 123049	14.7	8
29	Recovery of kitchen bio-waste from spent black tea as hierarchical biomorphic carbon electrodes for ultra-long lifespan potassium-ion storage. *Applied Surface Science*, **2021**, 555, 149675	6.7	8
28	Electrochemical Nanowire Devices for Energy Storage. *IEEE Nanotechnology Magazine*, **2014**, 13, 10-15	2.6	7
27	Electronic Structure Modulation in MoO /MoP Heterostructure to Induce Fast Electronic/Ionic Diffusion Kinetics for Lithium Storage.. *Advanced Science*, **2022**, e2104504	13.6	7
26	Electrochemical activation induced multi-valence variation of (NH)VO as a high-performance cathode material for zinc-ion batteries. *Chemical Communications*, **2021**, 57, 3615-3618	5.8	7
25	Polyaniline nanoarrays/carbon cloth as binder-free and flexible cathode for magnesium ion batteries. *Chemical Engineering Journal*, **2021**, 133772	14.7	6
24	Methanol-derived high-performance NaV(PO)/C: from kilogram-scale synthesis to pouch cell safety detection. *Nanoscale*, **2020**, 12, 21165-21171	7.7	6
23	Intercalation-Type V2O3 with Fast Mg2+ Diffusion Kinetics for High-Capacity and Long-Life Mg-Ion Storage. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 16164-16171	8.3	5
22	Sulfur-linked carbonyl polymer as a robust organic cathode for rapid and durable aluminum batteries. *Journal of Energy Chemistry*, **2021**, 63, 320-320	12	5
21	Building carbon cloth-based dendrite-free potassium metal anodes for potassium metal pouch cells. *Journal of Materials Chemistry A*,	13	5
20	Improved zinc-ion storage performance of the metal-free organic anode by the effect of binder. *Chemical Engineering Journal*, **2022**, 428, 131092	14.7	5
19	A high energy density hybrid magnesium□thium ion battery based on LiV3O8@GO cathode. *Electrochimica Acta*, **2019**, 320, 134556	6.7	4
18	Low-strain TiP 2 O 7 with three-dimensional ion channels as long-life and high-rate anode material for Mg-ion batteries **2022**, 1, 140-147		4
17	In situ construction of amorphous hierarchical iron oxyhydroxide nanotubes via selective dissolution-regrowth strategy for enhanced lithium storage. *Science China Materials*, **2020**, 63, 1993-2001	7.1	4
16	Structural properties and electrochemical performance of different polymorphs of Nb2O5 in magnesium-based batteries. *Journal of Energy Chemistry*, **2021**, 58, 586-592	12	4

15	Hybrid Nanostructures: Nanoscroll Buffered Hybrid Nanostructural VO2 (B) Cathodes for High-Rate and Long-Life Lithium Storage (Adv. Mater. 21/2013). *Advanced Materials*, **2013**, 25, 2968-2968	24	3
14	Porous yolk-shell structured Na3(VO)2(PO4)2F microspheres with enhanced Na-ion storage properties. *Journal of Materials Science and Technology*, **2021**, 83, 83-89	9.1	3
13	Cheese-like porous SnP2O7 composite as a long-life and high-rate anode material for potassium-ion batteries. *Chemical Engineering Journal*, **2022**, 439, 135777	14.7	3
12	Polyol Solvation Effect on Tuning the Universal Growth of Binary Metal Oxide Nanodots@Graphene Oxide Heterostructures for Electrochemical Applications. *Chemistry - A European Journal*, **2019**, 25, 14604-14612	4.8	2
11	Dual redox groups enable organic cathode material with a high capacity for aqueous zinc-organic batteries. *Electrochimica Acta*, **2021**, 139620	6.7	2
10	Liquid Phase-Induced Solid Solution Phase Mechanisms for Highly Stable and Ultrafast Energy Storage. *Advanced Energy Materials*, **2021**, 11, 2102342	21.8	1
9	Revealing the Multi-Electron Reaction Mechanism of Na V O (PO) F Towards Improved Lithium Storage. *ChemSusChem*, **2021**, 14, 2984-2991	8.3	1
8	CaV 6 O 16 ⍰2.8H 2 O with Ca 2+ Pillar and Water Lubrication as a High-Rate and Long-Life Cathode Material for Ca-Ion Batteries. *Advanced Functional Materials*,2113030	15.6	1
7	Flexible three-dimensional-networked iron vanadate nanosheet arrays/carbon cloths as high-performance cathodes for magnesium ion batteries. *Science China Materials*,1	7.1	1
6	Mo C Nanoparticles Embedded in Carbon Nanowires with Surface Pseudocapacitance Enables High-Energy and High-Power Sodium Ion Capacitors.. *Small*, **2022**, e2200805	11	1
5	Achieving high-performance energy storage device of Li3V2(PO4)3 // LiCrTiO4 Li-ion full cell. *Journal of Power Sources*, **2022**, 518, 230770	8.9	0
4	A room-temperature rechargeable dual-plating lithium-aluminium battery. *Chemical Communications*, **2021**, 57, 11529-11532	5.8	0
3	Energy Storage: Novel Polygonal Vanadium Oxide Nanoscrolls as Stable Cathode for Lithium Storage (Adv. Funct. Mater. 12/2015). *Advanced Functional Materials*, **2015**, 25, 1766-1766	15.6	
2	Cycling-Stable Cathodes: The Capturing of Ionized Oxygen in Sodium Vanadium Oxide Nanorods Cathodes under Operando Conditions (Adv. Funct. Mater. 36/2016). *Advanced Functional Materials*, **2016**, 26, 6498-6498	15.6	
1	CNTs/LiVO/YO Composites with Enhanced Electrochemical Performances as Cathode Materials for Rechargeable Solid-State Lithium Metal Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 8219-8228	9.5	