Qinyou An

List of Publications by Year
in descending order

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		13827	18075
164	15,582	67	120
papers	citations	h-index	g-index

165	165	165	10698
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Waterâ€Lubricated Intercalation in V₂O₅Â·nH₂O for Highâ€Capacity and Highâ€Rate Aqueous Rechargeable Zinc Batteries. Advanced Materials, 2018, 30, 1703725.	11.1	1,084
2	Layered VS₂ Nanosheetâ€Based Aqueous Zn Ion Battery Cathode. Advanced Energy Materials, 2017, 7, 1601920.	10.2	961
3	Sodium Ion Stabilized Vanadium Oxide Nanowire Cathode for Highâ€Performance Zincâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1702463.	10.2	650
4	Highâ€Performance Aqueous Zincâ€“Ion Battery Based on Layered H₂V₃O₈ Nanowire Cathode. Small, 2017, 13, 1702551.	5.2	455
5	Hierarchical mesoporous perovskite La ₀ _{.5} Sr _{0.5} CoO _{2.91} nanowires with ultrahigh capacity for Li-air batteries. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19569-19574.	3.3	315
6	Novel layer-by-layer stacked VS2 nanosheets with intercalation pseudocapacitance for high-rate sodium ion charge storage. Nano Energy, 2017, 35, 396-404.	8.2	313
7	Fast kinetics of magnesium monochloride cations in interlayer-expanded titanium disulfide for magnesium rechargeable batteries. Nature Communications, 2017, 8, 339.	5.8	304
8	Layerâ€byâ€Layer Na₃V₂(PO₄)₃ Embedded in Reduced Graphene Oxide as Superior Rate and Ultralongâ€Life Sodiumâ€Ion Battery Cathode. Advanced Energy Materials, 2016, 6, 1600389.	10.2	282
9	Enhancing sodium-ion battery performance with interlayer-expanded MoS2â€“PEO nanocomposites. Nano Energy, 2015, 15, 453-461.	8.2	269
10	Vanadiumâ€Based Nanomaterials: A Promising Family for Emerging Metalâ€Ion Batteries. Advanced Functional Materials, 2020, 30, 1904398.	7.8	262
11	Amorphous Vanadium Oxide Matrixes Supporting Hierarchical Porous Fe₃O₄/Graphene Nanowires as a High-Rate Lithium Storage Anode. Nano Letters, 2014, 14, 6250-6256.	4.5	257
12	Structural and chemical synergistic effect of CoS nanoparticles and porous carbon nanorods for high-performance sodium storage. Nano Energy, 2017, 35, 281-289.	8.2	247
13	Coâ€Construction of Sulfur Vacancies and Heterojunctions in Tungsten Disulfide to Induce Fast Electronic/Ionic Diffusion Kinetics for Sodiumâ€Ion Batteries. Advanced Materials, 2020, 32, e2005802.	11.1	244
14	NiSe₂ Nanooctahedra as an Anode Material for High-Rate and Long-Life Sodium-Ion Battery. ACS Applied Materials & Interfaces, 2017, 9, 311-316.	4.0	234
15	One-Pot Synthesized Bicontinuous Hierarchical Li₃V₂(PO₄)₃/C Mesoporous Nanowires for High-Rate and Ultralong-Life Lithium-ion Batteries. Nano Letters, 2014, 14, 1042-1048.	4.5	230
16	Self-sacrificed synthesis of three-dimensional Na3V2(PO4)3 nanofiber network for high-rate sodiumâ€“ion full batteries. Nano Energy, 2016, 25, 145-153.	8.2	230
17	Ultrastable and High-Performance Zn/VO₂ Battery Based on a Reversible Single-Phase Reaction. Chemistry of Materials, 2019, 31, 699-706.	3.2	227
18	Vanadium Sulfide on Reduced Graphene Oxide Layer as a Promising Anode for Sodium Ion Battery. ACS Applied Materials & Interfaces, 2015, 7, 20902-20908.	4.0	210

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19	Nanoscroll Buffered Hybrid Nanostructural VO₂ (B) Cathodes for Highâ€Rate and Longâ€Life Lithium Storage. Advanced Materials, 2013, 25, 2969-2973.	11.1	207
20	Cucumber-Like V₂O₅/poly(3,4-ethylenedioxythiophene)&MnO₂ Nanowires with Enhanced Electrochemical Cyclability. Nano Letters, 2013, 13, 740-745.	4.5	201
21	Hydrated vanadium pentoxide with superior sodium storage capacity. Journal of Materials Chemistry A, 2015, 3, 8070-8075.	5.2	190
22	Nanowire Templated Semihollow Bicontinuous Graphene Scrolls: Designed Construction, Mechanism, and Enhanced Energy Storage Performance. Journal of the American Chemical Society, 2013, 135, 18176-18182.	6.6	187
23	Magnesium storage performance and mechanism of CuS cathode. Nano Energy, 2018, 47, 210-216.	8.2	183
24	Vanadium Oxide Pillared by Interlayer Mg2+ Ions and Water as Ultralong-Life Cathodes for Magnesium-Ion Batteries. CheM, 2019, 5, 1194-1209.	5.8	180
25	Interlayerâ€Spacingâ€Regulated VOPO₄ Nanosheets with Fast Kinetics for Highâ€Capacity and Durable Rechargeable Magnesium Batteries. Advanced Materials, 2018, 30, e1801984.	11.1	171
26	Graphene decorated vanadium oxide nanowire aerogel for long-cycle-life magnesium battery cathodes. Nano Energy, 2015, 18, 265-272.	8.2	170
27	Nanoflakeâ€Assembled Hierarchical Na₃V₂(PO₄)₃/C Microflowers: Superior Li Storage Performance and Insertion/Extraction Mechanism. Advanced Energy Materials, 2015, 5, 1401963.	10.2	169
28	Recent Advances and Prospects of Cathode Materials for Rechargeable Aqueous Zincâ€Ion Batteries. Advanced Materials Interfaces, 2019, 6, 1900387.	1.9	169
29	Mesoporous NiS₂ Nanospheres Anode with Pseudocapacitance for Highâ€Rate and Longâ€Life Sodiumâ€Ion Battery. Small, 2017, 13, 1701744.	5.2	168
30	Novel layered iron vanadate cathode for high-capacity aqueous rechargeable zinc batteries. Chemical Communications, 2018, 54, 4041-4044.	2.2	167
31	Vanadium-Based Cathode Materials for Rechargeable Multivalent Batteries: Challenges and Opportunities. Electrochemical Energy Reviews, 2018, 1, 169-199.	13.1	142
32	Nanostructured Conversionâ€Type Negative Electrode Materials for Lowâ€Cost and Highâ€Performance Sodiumâ€Ion Batteries. Advanced Functional Materials, 2018, 28, 1804458.	7.8	132
33	Greigite Fe₃S₄ as a new anode material for high-performance sodium-ion batteries. Chemical Science, 2017, 8, 160-164.	3.7	119
34	Multidimensional Synergistic Nanoarchitecture Exhibiting Highly Stable and Ultrafast Sodiumâ€Ion Storage. Advanced Materials, 2018, 30, e1707122.	11.1	112
35	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.	4.0	111
36	Quicker and More Zn²⁺ Storage Predominantly from the Interface. Advanced Materials, 2021, 33, e2100359.	11.1	111

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37	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.	8.2	110
38	High-rate and long-life VS2 cathodes for hybrid magnesium-based battery. Energy Storage Materials, 2018, 12, 61-68.	9.5	106
39	Three dimensional porous frameworks for lithium dendrite suppression. Journal of Energy Chemistry, 2020, 44, 73-89.	7.1	104
40	VO₂ Nanoflakes as the Cathode Material of Hybrid Magnesiumâ€“Lithium-Ion Batteries with High Energy Density. ACS Applied Materials & Interfaces, 2017, 9, 17060-17066.	4.0	101
41	Urchin-like Spinel MgV₂O₄ as a Cathode Material for Aqueous Zinc-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 3681-3688.	3.2	99
42	Cathodic polarization suppressed sodium-ion full cell with a 3.3 V high-voltage. Nano Energy, 2016, 28, 216-223.	8.2	97
43	H₂V₃O₈ Nanowires as High-Capacity Cathode Materials for Magnesium-Based Battery. ACS Applied Materials & Interfaces, 2017, 9, 28667-28673.	4.0	97
44	A rechargeable aluminum-ion battery based on a VS₂ nanosheet cathode. Physical Chemistry Chemical Physics, 2018, 20, 22563-22568.	1.3	97
45	A unique hollow Li₃VO₄/carbon nanotube composite anode for high rate long-life lithium-ion batteries. Nanoscale, 2014, 6, 11072-11077.	2.8	96
46	Emerging Prototype Sodiumâ€Ion Full Cells with Nanostructured Electrode Materials. Small, 2017, 13, 1604181.	5.2	96
47	Lattice Breathing Inhibited Layered Vanadium Oxide Ultrathin Nanobelts for Enhanced Sodium Storage. ACS Applied Materials & Interfaces, 2015, 7, 18211-18217.	4.0	94
48	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.	5.2	94
49	Topotactically synthesized ultralong LiV3O8 nanowire cathode materials for high-rate and long-life rechargeable lithium batteries. NPG Asia Materials, 2012, 4, e20-e20.	3.8	91
50	FeSe2 clusters with excellent cyclability and rate capability for sodium-ion batteries. Nano Research, 2017, 10, 3202-3211.	5.8	91
51	Nanoflakesâ€Assembled Threeâ€Dimensional Hollowâ€Porous V₂O₅ as Lithium Storage Cathodes with Highâ€Rate Capacity. Small, 2014, 10, 3032-3037.	5.2	90
52	Lowâ€strain TiP₂O₇ with threeâ€dimensional ion channels as longâ€life and highâ€rate anode material for Mgâ€ion batteries. , 2022, 1, 140-147.		90
53	Pseudocapacitive layered iron vanadate nanosheets cathode for ultrahigh-rate lithium ion storage. Nano Energy, 2018, 47, 294-300.	8.2	87
54	A high-voltage rechargeable magnesium-sodium hybrid battery. Nano Energy, 2017, 34, 188-194.	8.2	84

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55	K0.23V2O5 as a promising cathode material for rechargeable aqueous zinc ion batteries with excellent performance. Journal of Alloys and Compounds, 2020, 819, 152971.	2.8	83
56	Defect engineering in molybdenum-based electrode materials for energy storage. EScience, 2022, 2, 278-294.	25.0	83
57	Flexible electrode for long-life rechargeable sodium-ion batteries: effect of oxygen vacancy in MoO_{3â^'x}. Journal of Materials Chemistry A, 2016, 4, 5402-5405.	5.2	82
58	Nickel-iron bimetallic diselenides with enhanced kinetics for high-capacity and long-life magnesium batteries. Nano Energy, 2018, 54, 360-366.	8.2	82
59	Mixed-phase mullite electrocatalyst for pH-neutral oxygen reduction in magnesium-air batteries. Nano Energy, 2016, 27, 8-16.	8.2	81
60	Metallic silver doped vanadium pentoxide cathode for aqueous rechargeable zinc ion batteries. Journal of Alloys and Compounds, 2019, 787, 9-16.	2.8	80
61	Flexible additive free H₂V₃O₈nanowire membrane as cathode for sodium ion batteries. Physical Chemistry Chemical Physics, 2016, 18, 12074-12079.	1.3	79
62	V2O5 quantum dots/graphene hybrid nanocomposite with stable cyclability for advanced lithium batteries. Nano Energy, 2013, 2, 916-922.	8.2	76
63	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.	5.2	76
64	Supercritically exfoliated ultrathin vanadium pentoxide nanosheets with high rate capability for lithium batteries. Physical Chemistry Chemical Physics, 2013, 15, 16828.	1.3	74
65	Three-dimensional porous V2O5 hierarchical octahedrons with adjustable pore architectures for long-life lithium batteries. Nano Research, 2015, 8, 481-490.	5.8	74
66	Pore-controlled synthesis of Mn₂O₃microspheres for ultralong-life lithium storage electrode. RSC Advances, 2013, 3, 1947-1952.	1.7	73
67	Self-adaptive mesoporous CoS@alveolus-like carbon yolk-shell microsphere for alkali cations storage. Nano Energy, 2017, 41, 109-116.	8.2	73
68	Alkali ions pre-intercalated layered vanadium oxide nanowires for stable magnesium ions storage. Nano Energy, 2019, 58, 347-354.	8.2	72
69	Low-temperature solution-processed p-type vanadium oxide for perovskite solar cells. Chemical Communications, 2016, 52, 8099-8102.	2.2	71
70	Hierarchical Carbon Decorated Li₃V₂(PO₄)₃ as a Bicontinuous Cathode with Highâ€Rate Capability and Broad Temperature Adaptability. Advanced Energy Materials, 2014, 4, 1400107.	10.2	70
71	Crystal regulation towards rechargeable magnesium battery cathode materials. Materials Horizons, 2020, 7, 1971-1995.	6.4	69
72	Revealing the atomistic origin of the disorder-enhanced Na-storage performance in NaFePO4 battery cathode. Nano Energy, 2019, 57, 608-615.	8.2	67

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73	VOPO₄Â·2H₂O as a new cathode material for rechargeable Ca-ion batteries. Chemical Communications, 2020, 56, 3805-3808.	2.2	67
74	Insights into the storage mechanism of VS4 nanowire clusters in aluminum-ion battery. Nano Energy, 2021, 79, 105384.	8.2	64
75	Sodium Ion Capacitor Using Pseudocapacitive Layered Ferric Vanadate Nanosheets Cathode. IScience, 2018, 6, 212-221.	1.9	63
76	Surface Pseudocapacitive Mechanism of Molybdenum Phosphide for Highâ€Energy and Highâ€Power Sodiumâ€Ion Capacitors. Advanced Energy Materials, 2019, 9, 1900967.	10.2	62
77	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.	5.2	62
78	Recent Progress and Challenges in the Optimization of Electrode Materials for Rechargeable Magnesium Batteries. Small, 2021, 17, e2004108.	5.2	62
79	Substrate-Assisted Self-Organization of Radial Î²-AgVO₃ Nanowire Clusters for High Rate Rechargeable Lithium Batteries. Nano Letters, 2012, 12, 4668-4673.	4.5	60
80	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.	8.2	60
81	Threeâ€Dimensional Interconnected Vanadium Pentoxide Nanonetwork Cathode for Highâ€Rate Longâ€Life Lithium Batteries. Small, 2015, 11, 2654-2660.	5.2	59
82	Operando Xâ€ray Diffraction Characterization for Understanding the Intrinsic Electrochemical Mechanism in Rechargeable Battery Materials. Small Methods, 2017, 1, 1700083.	4.6	58
83	Electronic Structure Modulation in MoO₂/MoP Heterostructure to Induce Fast Electronic/Ionic Diffusion Kinetics for Lithium Storage. Advanced Science, 2022, 9, e2104504.	5.6	58
84	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.	5.2	57
85	Graphene wrapped NASICON-type Fe2(MoO4)3 nanoparticles as a ultra-high rate cathode for sodium ion batteries. Nano Energy, 2016, 24, 130-138.	8.2	57
86	Uncovering the Cu-driven electrochemical mechanism of transition metal chalcogenides based electrodes. Energy Storage Materials, 2019, 16, 625-631.	9.5	56
87	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.	5.2	56
88	A High-Rate V₂O₅Hollow Microclew Cathode for an All-Vanadium-Based Lithium-Ion Full Cell. Small, 2016, 12, 1082-1090.	5.2	55
89	Novel Polygonal Vanadium Oxide Nanoscrolls as Stable Cathode for Lithium Storage. Advanced Functional Materials, 2015, 25, 1773-1779.	7.8	54
90	Highly Efficient Non-Nucleophilic Mg(CF₃SO₃)₂-Based Electrolyte for High-Power Mg/S Battery. ACS Applied Materials & Interfaces, 2020, 12, 17474-17480.	4.0	54

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91	Crystal defect modulation in cathode materials for non-lithium ion batteries: Progress and challenges. Materials Today, 2021, 45, 169-190.	8.3	53
92	Designs and applications of multi-functional covalent organic frameworks in rechargeable batteries. Energy Storage Materials, 2021, 41, 354-379.	9.5	52
93	Three-dimensional graphene frameworks wrapped Li3V2(PO4)3 with reversible topotactic sodium-ion storage. Nano Energy, 2017, 32, 347-352.	8.2	50
94	Salt-controlled dissolution in pigment cathode for high-capacity and long-life magnesium organic batteries. Nano Energy, 2019, 65, 103902.	8.2	49
95	Generating H⁺ in Catholyte and OH^{â€“} in Anolyte: An Approach to Improve the Stability of Aqueous Zinc-Ion Batteries. ACS Energy Letters, 2021, 6, 684-686.	8.8	49
96	Intercalation pseudocapacitance of FeVO4Â·nH2O nanowires anode for high-energy and high-power sodium-ion capacitor. Nano Energy, 2020, 73, 104838.	8.2	48
97	Mesoporous VO₂ nanowires with excellent cycling stability and enhanced rate capability for lithium batteries. RSC Advances, 2014, 4, 33332-33337.	1.7	47
98	FeVO4â‹…nH2O@rGO nanocomposite as high performance cathode materials for aqueous Zn-ion batteries. Journal of Alloys and Compounds, 2020, 818, 153372.	2.8	46
99	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.	8.2	44
100	Interchain-Expanded Vanadium Tetrasulfide with Fast Kinetics for Rechargeable Magnesium Batteries. ACS Applied Materials & Interfaces, 2019, 11, 31954-31961.	4.0	43
101	Lithium- and Magnesium-Storage Mechanisms of Novel Hexagonal NbSe₂. ACS Applied Materials & Interfaces, 2018, 10, 36988-36995.	4.0	42
102	N-Doped carbon coated bismuth nanorods with a hollow structure as an anode for superior-performance potassium-ion batteries. Nanoscale, 2020, 12, 4309-4313.	2.8	41
103	Ultralong H₂V₃O₈ nanowire bundles as a promising cathode for lithium batteries. New Journal of Chemistry, 2014, 38, 2075-2080.	1.4	39
104	Revealing the Origin of Highly Efficient Polysulfide Anchoring and Transformation on Anionâ€Substituted Vanadium Nitride Host. Advanced Functional Materials, 2021, 31, 2008034.	7.8	39
105	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.	6.6	38
106	Organicâ€Inorganic Superlattices of Vanadium Oxide@PolyanilineÂfor Highâ€Performance Magnesiumâ€Ion Batteries. ChemSusChem, 2021, 14, 2093-2099.	3.6	38
107	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.	3.5	36
108	Strongly Coupled Pyridineâ€V₂O₅Â·nH₂O Nanowires with Intercalation Pseudocapacitance and Stabilized Layer for High Energy Sodium Ion Capacitors. Small, 2019, 15, e1900379.	5.2	35

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109	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.	6.6	34
110	Polyaniline nanoarrays/carbon cloth as binder-free and flexible cathode for magnesium ion batteries. Chemical Engineering Journal, 2022, 433, 133772.	6.6	34
111	Novel NaTi2(PO4)3 nanowire clusters as high performance cathodes for Mg-Na hybrid-ion batteries. Nano Energy, 2019, 55, 526-533.	8.2	32
112	High-capacity and small-polarization aluminum organic batteries based on sustainable quinone-based cathodes with Al3+ insertion. Cell Reports Physical Science, 2021, 2, 100354.	2.8	32
113	In operando observation of temperature-dependent phase evolution in lithium-incorporation olivine cathode. Nano Energy, 2016, 22, 406-413.	8.2	31
114	Surface pseudocapacitance of mesoporous Mo3N2 nanowire anode toward reversible high-rate sodium-ion storage. Journal of Energy Chemistry, 2021, 55, 295-303.	7.1	31
115	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.	5.2	30
116	MOF derived TiO2 with reversible magnesium pseudocapacitance for ultralong-life Mg metal batteries. Chemical Engineering Journal, 2021, 418, 128491.	6.6	28
117	Improved zinc-ion storage performance of the metal-free organic anode by the effect of binder. Chemical Engineering Journal, 2022, 428, 131092.	6.6	28
118	CaV₆O₁₆Â·2.8H₂O with Ca²⁺ Pillar and Water Lubrication as a Highâ€Rate and Longâ€Life Cathode Material for Caâ€Ion Batteries. Advanced Functional Materials, 2022, 32, .	7.8	28
119	Novel layered Li₃V₂(PO₄)₃/rGO&C sheets as high-rate and long-life lithium ion battery cathodes. Chemical Communications, 2016, 52, 8730-8732.	2.2	27
120	Building carbon cloth-based dendrite-free potassium metal anodes for potassium metal pouch cells. Journal of Materials Chemistry A, 2021, 9, 23046-23054.	5.2	27
121	Pseudocapacitive layered birnessite sodium manganese dioxide for high-rate non-aqueous sodium ion capacitors. Journal of Materials Chemistry A, 2018, 6, 12259-12266.	5.2	26
122	Hierarchical Mn₃O₄/Graphene Microflowers Fabricated via a Selective Dissolution Strategy for Alkali-Metal-Ion Storage. ACS Applied Materials & Interfaces, 2019, 11, 14120-14125.	4.0	26
123	Recent Advances in the Rational Design and Synthesis of Twoâ€Dimensional Materials for Multivalent Ion Batteries. ChemSusChem, 2020, 13, 1071-1092.	3.6	25
124	Polydopamine-assisted in-situ formation of dense MOF layer on polyolefin separator for synergistic enhancement of lithium-sulfur battery. Nano Research, 2022, 15, 8048-8055.	5.8	24
125	Novel hollow Ni0.33Co0.67Se nanoprisms for high capacity lithium storage. Nano Research, 2019, 12, 1371-1374.	5.8	22
126	Sulfur-linked carbonyl polymer as a robust organic cathode for rapid and durable aluminum batteries. Journal of Energy Chemistry, 2021, 63, 320-327.	7.1	22

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127	Constructing volcanic-like mesoporous hard carbon with fast electrochemical kinetics for potassium-ion batteries and hybrid capacitors. Applied Surface Science, 2020, 525, 146563.	3.1	22
128	Metastable amorphous chromium-vanadium oxide nanoparticles with superior performance as a new lithium battery cathode. Nano Research, 2014, 7, 1604-1612.	5.8	21
129	KTi₂(PO₄)₃ with Large Ion Diffusion Channel for Highâ€Efficiency Sodium Storage. Advanced Energy Materials, 2017, 7, 1700247.	10.2	21
130	Dual redox groups enable organic cathode material with a high capacity for aqueous zinc-organic batteries. Electrochimica Acta, 2022, 404, 139620.	2.6	21
131	MnO₂ Polymorphs as Cathode Materials for Rechargeable Caâ€Ion Batteries. Advanced Functional Materials, 2022, 32, .	7.8	21
132	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.	3.0	20
133	Amine-assisted synthesis of FeS@N-C porous nanowires for highly reversible lithium storage. Nano Research, 2018, 11, 6206-6216.	5.8	20
134	Mo₂C Nanoparticles Embedded in Carbon Nanowires with Surface Pseudocapacitance Enables Highâ€Energy and Highâ€Power Sodium Ion Capacitors. Small, 2022, 18, e2200805.	5.2	20
135	New anatase phase VTi_{2.6}O_{7.2} ultrafine nanocrystals for high-performance rechargeable magnesium-based batteries. Journal of Materials Chemistry A, 2018, 6, 13901-13907.	5.2	19
136	Self-adaptive FeP@C nanocages for reversible and long-term lithium-ion batteries. Chemical Engineering Journal, 2020, 395, 125124.	6.6	19
137	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.	5.6	19
138	The Capturing of Ionized Oxygen in Sodium Vanadium Oxide Nanorods Cathodes under Operando Conditions. Advanced Functional Materials, 2016, 26, 6555-6562.	7.8	18
139	Constructing a disorder/order structure for enhanced magnesium storage. Chemical Engineering Journal, 2020, 382, 123049.	6.6	18
140	Novel Li₂MnO₃ nanowire anode with internal Li-enrichment for use in a Li-ion battery. Nanoscale, 2014, 6, 8124-8129.	2.8	17
141	A Bowknot-like RuO₂ quantum dots@V₂O₅ cathode with largely improved electrochemical performance. Physical Chemistry Chemical Physics, 2014, 16, 18680-18685.	1.3	17
142	Electrochemical activation induced multi-valence variation of (NH₄)₂V₄O₉ as a high-performance cathode material for zinc-ion batteries. Chemical Communications, 2021, 57, 3615-3618.	2.2	16
143	Ultrathin Cobalt Phthalocyanine@Graphene Oxide Layer-Modified Separator for Stable Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2021, 13, 60046-60053.	4.0	15
144	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.	3.2	13

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145	Structural properties and electrochemical performance of different polymorphs of Nb2O5 in magnesium-based batteries. Journal of Energy Chemistry, 2021, 58, 586-592.	7.1	13
146	Flexible three-dimensional-networked iron vanadate nanosheet arrays/carbon cloths as high-performance cathodes for magnesium ion batteries. Science China Materials, 2022, 65, 2197-2206.	3.5	13
147	Cheese-like porous SnP2O7 composite as a long-life and high-rate anode material for potassium-ion batteries. Chemical Engineering Journal, 2022, 439, 135777.	6.6	12
148	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.	3.5	11
149	Methanol-derived high-performance Na₃V₂(PO₄)₃/C: from kilogram-scale synthesis to pouch cell safety detection. Nanoscale, 2020, 12, 21165-21171.	2.8	10
150	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.	3.1	10
151	Electrochemical Nanowire Devices for Energy Storage. IEEE Nanotechnology Magazine, 2014, 13, 10-15.	1.1	9
152	Insight into the capacity decay of layered sodium nickel manganese oxide cathodes in sodium ion batteries. Journal of Alloys and Compounds, 2020, 820, 153093.	2.8	9
153	A high energy density hybrid magnesiumâ€“lithium ion battery based on LiV3O8@GO cathode. Electrochimica Acta, 2019, 320, 134556.	2.6	8
154	Incorporating Nearâ€Pseudocapacitance Insertion Ni/Coâ€Based Hexacyanoferrate and Lowâ€Cost Metallic Zn for Aqueous Kâ€Ion Batteries. ChemSusChem, 2022, 15, .	3.6	7
155	Revealing the Multiâ€Electron Reaction Mechanism of Na₃V₂O₂(PO₄)₂F Towards Improved Lithium Storage. ChemSusChem, 2021, 14, 2984-2991.	3.6	6
156	Liquid Phaseâ€Induced Solid Solution Phase Mechanisms for Highly Stable and Ultrafast Energy Storage. Advanced Energy Materials, 2021, 11, 2102342.	10.2	6
157	Achieving high-performance energy storage device of Li3V2(PO4)3 // LiCrTiO4 Li-ion full cell. Journal of Power Sources, 2022, 518, 230770.	4.0	6
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