

Xianhong Rui

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145
papers

11,901
citations

62
h-index

108
g-index

156
ext. papers

13,574
ext. citations

10.9
avg, IF

6.65
L-index

#	Paper	IF	Citations
145	Nanostructured metal sulfides for energy storage. <i>Nanoscale</i> , 2014 , 6, 9889-924	7.7	746
144	In-situ formation of hollow hybrids composed of cobalt sulfides embedded within porous carbon polyhedra/carbon nanotubes for high-performance lithium-ion batteries. <i>Advanced Materials</i> , 2015 , 27, 3038-44	24	534
143	Preparation of MoS ₂ -coated three-dimensional graphene networks for high-performance anode material in lithium-ion batteries. <i>Small</i> , 2013 , 9, 3433-8	11	511
142	Analysis of the chemical diffusion coefficient of lithium ions in Li ₃ V ₂ (PO ₄) ₃ cathode material. <i>Electrochimica Acta</i> , 2010 , 55, 2384-2390	6.7	468
141	Zeolitic imidazolate framework 67-derived high symmetric porous Co ^{II} hollow dodecahedra with highly enhanced lithium storage capability. <i>Small</i> , 2014 , 10, 1932-8	11	403
140	An Advanced Sodium-Ion Battery Composed of Carbon Coated Na ₂ V ₂ (PO ₄) ₃ in a Porous Graphene Network. <i>Advanced Materials</i> , 2015 , 27, 6670-6	24	363
139	Reduced graphene oxide-wrapped MoO ₃ composites prepared by using metal-organic frameworks as precursor for all-solid-state flexible supercapacitors. <i>Advanced Materials</i> , 2015 , 27, 4695-701	24	326
138	Controlled soft-template synthesis of ultrathin C@FeS nanosheets with high-Li-storage performance. <i>ACS Nano</i> , 2012 , 6, 4713-21	16.7	269
137	Metal oxide-coated three-dimensional graphene prepared by the use of metal-organic frameworks as precursors. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1404-9	16.4	255
136	Li ₃ V ₂ (PO ₄) ₃ cathode materials for lithium-ion batteries: A review. <i>Journal of Power Sources</i> , 2014 , 258, 19-38	8.9	241
135	Two-Dimensional Tin Disulfide Nanosheets for Enhanced Sodium Storage. <i>ACS Nano</i> , 2015 , 9, 11371-81	16.7	231
134	One-Pot Synthesis of Tunable Crystalline Ni ₃ S ₄ @Amorphous MoS ₂ Core/Shell Nanospheres for High-Performance Supercapacitors. <i>Small</i> , 2015 , 11, 3694-702	11	218
133	Ultrathin V ₂ O ₅ nanosheet cathodes: realizing ultrafast reversible lithium storage. <i>Nanoscale</i> , 2013 , 5, 556-60	7.7	207
132	Nanostructured Conjugated Ladder Polymers for Stable and Fast Lithium Storage Anodes with High-Capacity. <i>Advanced Energy Materials</i> , 2015 , 5, 1402189	21.8	203
131	Olivine-type nanosheets for lithium ion battery cathodes. <i>ACS Nano</i> , 2013 , 7, 5637-46	16.7	193
130	Pushing Up Lithium Storage through Nanostructured Polyazaacene Analogues as Anode. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7354-8	16.4	181
129	Synthesis and characterization of carbon-coated Li ₃ V ₂ (PO ₄) ₃ cathode materials with different carbon sources. <i>Electrochimica Acta</i> , 2009 , 54, 3374-3380	6.7	180

128	Wet-Chemical Processing of Phosphorus Composite Nanosheets for High-Rate and High-Capacity Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016 , 6, 1502409	21.8	173
127	A comparative study on the low-temperature performance of LiFePO ₄ /C and Li ₃ V ₂ (PO ₄) ₃ /C cathodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2011 , 196, 2109-2114	8.9	172
126	A facile, relative green, and inexpensive synthetic approach toward large-scale production of SnS ₂ nanoplates for high-performance lithium-ion batteries. <i>Nanoscale</i> , 2013 , 5, 1456-9	7.7	158
125	MOF-directed templating synthesis of a porous multicomponent dodecahedron with hollow interiors for enhanced lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8483-8488	13	155
124	Conductive Inks Based on a Lithium Titanate Nanotube Gel for High-Rate Lithium-Ion Batteries with Customized Configuration. <i>Advanced Materials</i> , 2016 , 28, 1567-76	24	154
123	Synthesis of cobalt phosphides and their application as anodes for lithium ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1093-9	9.5	154
122	Few-layered Ni(OH) ₂ nanosheets for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2015 , 295, 323-328	8.9	146
121	Recent advances in nanostructured Nb-based oxides for electrochemical energy storage. <i>Nanoscale</i> , 2016 , 8, 8443-65	7.7	145
120	Reduced graphene oxide supported highly porous V ₂ O ₅ spheres as a high-power cathode material for lithium ion batteries. <i>Nanoscale</i> , 2011 , 3, 4752-8	7.7	143
119	Cu doped V ₂ O ₅ flowers as cathode material for high-performance lithium ion batteries. <i>Nanoscale</i> , 2013 , 5, 4937-43	7.7	138
118	Peering into Alloy Anodes for Sodium-Ion Batteries: Current Trends, Challenges, and Opportunities. <i>Advanced Functional Materials</i> , 2019 , 29, 1808745	15.6	133
117	NaV(PO) ₃ : an advanced cathode for sodium-ion batteries. <i>Nanoscale</i> , 2019 , 11, 2556-2576	7.7	130
116	Oxidation-etching preparation of MnO ₂ tubular nanostructures for high-performance supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2769-74	9.5	129
115	Determination of the chemical diffusion coefficient of Li ⁺ in intercalation-type Li ₃ V ₂ (PO ₄) ₃ anode material. <i>Solid State Ionics</i> , 2011 , 187, 58-63	3.3	127
114	Vanadium pentoxide cathode materials for high-performance lithium-ion batteries enabled by a hierarchical nanoflower structure via an electrochemical process. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 82-88	13	126
113	Controlled synthesis of carbon-coated cobalt sulfide nanostructures in oil phase with enhanced li storage performances. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2999-3006	9.5	125
112	Template-free synthesis of urchin-like Co ₃ O ₄ hollow spheres with good lithium storage properties. <i>Journal of Power Sources</i> , 2013 , 222, 97-102	8.9	116
111	Synthesis of two-dimensional transition-metal phosphates with highly ordered mesoporous structures for lithium-ion battery applications. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9352-5	16.4	113

110	Li ₃ V ₂ (PO ₄) ₃ nanocrystals embedded in a nanoporous carbon matrix supported on reduced graphene oxide sheets: Binder-free and high rate cathode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012 , 214, 171-177	8.9	106
109	Ultrathin nickel oxide nanosheets for enhanced sodium and lithium storage. <i>Journal of Power Sources</i> , 2015 , 274, 755-761	8.9	104
108	Persistent zinc-ion storage in mass-produced V ₂ O ₅ architectures. <i>Nano Energy</i> , 2019 , 60, 171-178	17.1	98
107	Biochemistry-Enabled 3D Foams for Ultrafast Battery Cathodes. <i>ACS Nano</i> , 2015 , 9, 4628-35	16.7	98
106	Bismuth sulfide: A high-capacity anode for sodium-ion batteries. <i>Journal of Power Sources</i> , 2016 , 309, 135-140	8.9	97
105	Metal Chalcogenides: Paving the Way for High-Performance Sodium/Potassium-Ion Batteries. <i>Small Methods</i> , 2020 , 4, 1900563	12.8	97
104	Germanium nanowires-based carbon composite as anodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012 , 206, 253-258	8.9	95
103	Architecting a Stable High-Energy Aqueous Al-Ion Battery. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15295-15304	16.4	94
102	Oxyvanite V ₃ O ₅ : A new intercalation-type anode for lithium-ion battery. <i>Information Materials</i> , 2019 , 1, 251	23.1	87
101	The Li ₃ V ₂ (PO ₄) ₃ /C composites with high-rate capability prepared by a maltose-based sol-gel route. <i>Electrochimica Acta</i> , 2010 , 55, 6761-6767	6.7	86
100	Ultrafine Nb ₂ O ₅ Nanocrystal Coating on Reduced Graphene Oxide as Anode Material for High Performance Sodium Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22213-9	9.5	85
99	Metal Oxide-Coated Three-Dimensional Graphene Prepared by the Use of Metal-Organic Frameworks as Precursors. <i>Angewandte Chemie</i> , 2014 , 126, 1428-1433	3.6	83
98	Vanadium-based nanostructure materials for secondary lithium battery applications. <i>Nanoscale</i> , 2015 , 7, 14595-607	7.7	82
97	Ambient dissolution-recrystallization towards large-scale preparation of V ₂ O ₅ nanobelts for high-energy battery applications. <i>Nano Energy</i> , 2016 , 22, 583-593	17.1	82
96	V ₂ O ₃ modified LiFePO ₄ /C composite with improved electrochemical performance. <i>Journal of Power Sources</i> , 2011 , 196, 5623-5630	8.9	82
95	Direct growth of FeVO ₄ nanosheet arrays on stainless steel foil as high-performance binder-free Li ion battery anode. <i>RSC Advances</i> , 2012 , 2, 3630	3.7	80
94	Liquid-phase epitaxial growth of two-dimensional semiconductor hetero-nanostructures. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1841-5	16.4	79
93	High-performance supercapacitor electrodes based on graphene achieved by thermal treatment with the aid of nitric acid. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 9656-62	9.5	78

92	Facile preparation of hydrated vanadium pentoxide nanobelts based bulky paper as flexible binder-free cathodes for high-performance lithium ion batteries. <i>RSC Advances</i> , 2011 , 1, 117	3.7	75
91	Li ₃ V ₂ (PO ₄) ₃ /C composite as an intercalation-type anode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2011 , 196, 2279-2282	8.9	74
90	Design of Nanostructured Hybrid Materials Based on Carbon and Metal Oxides for Li Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 26685-26693	3.8	73
89	One-pot synthesis of carbon-coated VO ₂ (B) nanobelts for high-rate lithium storage. <i>RSC Advances</i> , 2012 , 2, 1174-1180	3.7	73
88	Hierarchically porous three-dimensional electrodes of CoMoO ₄ and ZnCoO ₄ and their high anode performance for lithium ion batteries. <i>Nanoscale</i> , 2014 , 6, 10556-61	7.7	72
87	Ni _{1.5} CoSe ₅ nanocubes embedded in 3D dual N-doped carbon network as advanced anode material in sodium-ion full cells with superior low-temperature and high-power properties. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 22966-22975	13	70
86	Electrode Materials for Rechargeable Zinc-Ion and Zinc-Air Batteries: Current Status and Future Perspectives. <i>Electrochemical Energy Reviews</i> , 2019 , 2, 395-427	29.3	69
85	Nanostructured Li V (PO) Cathodes. <i>Small</i> , 2018 , 14, e1800567	11	65
84	Zinc ions pillared vanadate cathodes by chemical pre-intercalation towards long cycling life and low-temperature zinc ion batteries. <i>Journal of Power Sources</i> , 2019 , 441, 227192	8.9	62
83	Facile preparation of ordered porous graphene-metal oxide@C binder-free electrodes with high Li storage performance. <i>Small</i> , 2013 , 9, 3390-7	11	61
82	Oriented molecular attachments through sol-gel chemistry for synthesis of ultrathin hydrated vanadium pentoxide nanosheets and their applications. <i>Small</i> , 2013 , 9, 716-21	11	57
81	A facile approach toward transition metal oxide hierarchical structures and their lithium storage properties. <i>Nanoscale</i> , 2012 , 4, 3718-24	7.7	53
80	Vanadium Pentoxide-Based Cathode Materials for Lithium-Ion Batteries: Morphology Control, Carbon Hybridization, and Cation Doping. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 276-294	3.1	50
79	Vanadium-Based Materials: Next Generation Electrodes Powering the Battery Revolution?. <i>Accounts of Chemical Research</i> , 2020 , 53, 1660-1671	24.3	50
78	A High-Capacity Ammonium Vanadate Cathode for Zinc-Ion Battery. <i>Nano-Micro Letters</i> , 2020 , 12, 67	19.5	48
77	Palladium nanoparticles supported on manganese oxide/CNT composites for solvent-free aerobic oxidation of alcohols: Tuning the properties of Pd active sites using MnOx. <i>Applied Catalysis B: Environmental</i> , 2012 , 119-120, 166-174	21.8	48
76	Novel Conjugated Ladder-Structured Oligomer Anode with High Lithium Storage and Long Cycling Capability. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16932-8	9.5	46
75	Synthesis of hexagonal-symmetry Iron oxyhydroxide crystals using reduced graphene oxide as a surfactant and their Li storage properties. <i>CrystEngComm</i> , 2012 , 14, 147-153	3.3	46

74	Rapid fabrication of a novel SnTe alloy: structure-property relationship and its enhanced lithium storage properties. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14577	13	42
73	Biochemistry-derived porous carbon-encapsulated metal oxide nanocrystals for enhanced sodium storage. <i>Nano Energy</i> , 2016 , 21, 71-79	17.1	41
72	Embracing high performance potassium-ion batteries with phosphorus-based electrodes: a review. <i>Nanoscale</i> , 2019 , 11, 15402-15417	7.7	41
71	Topotactic Transformation Synthesis of 2D Ultrathin GeS Nanosheets toward High-Rate and High-Energy-Density Sodium-Ion Half/Full Batteries. <i>ACS Nano</i> , 2020 , 14, 531-540	16.7	41
70	Solvothermal synthesis of pyrite FeS ₂ nanocubes and their superior high rate lithium storage properties. <i>RSC Advances</i> , 2014 , 4, 48770-48776	3.7	40
69	Pushing Up Lithium Storage through Nanostructured Polyazaacene Analogues as Anode. <i>Angewandte Chemie</i> , 2015 , 127, 7462-7466	3.6	38
68	Cooperative enhancement of capacities in nanostructured SnSb/carbon nanotube network nanocomposite as anode for lithium ion batteries. <i>Journal of Power Sources</i> , 2012 , 201, 288-293	8.9	37
67	Red Phosphorous-Derived Protective Layers with High Ionic Conductivity and Mechanical Strength on Dendrite-Free Sodium and Potassium Metal Anodes. <i>Advanced Energy Materials</i> , 2021 , 11, 2003381	21.8	37
66	Aqueous-based chemical route toward ambient preparation of multicomponent core-shell nanotubes. <i>ACS Nano</i> , 2014 , 8, 4004-14	16.7	36
65	Functionalized single-walled carbon nanotubes with enhanced electrocatalytic activity for . <i>Carbon</i> , 2013 , 64, 464-471	10.4	34
64	A Low-Temperature Sodium-Ion Full Battery: Superb Kinetics and Cycling Stability. <i>Advanced Functional Materials</i> , 2021 , 31, 2009458	15.6	32
63	Graphene oxide nanosheets/polymer binders as superior electrocatalytic materials for vanadium bromide redox flow batteries. <i>Electrochimica Acta</i> , 2012 , 85, 175-181	6.7	30
62	Advanced cathodes for potassium-ion battery. <i>Current Opinion in Electrochemistry</i> , 2019 , 18, 24-30	7.2	28
61	Advances in metal phosphides for sodium-ion batteries. <i>SusMat</i> , 2021 , 1, 359-392		28
60	Ultrafast Potassium Storage in F-Induced Ultra-High Edge-Defective Carbon Nanosheets. <i>ACS Nano</i> , 2021 , 15, 10217-10227	16.7	27
59	3D porous V ₂ O ₅ architectures for high-rate lithium storage. <i>Journal of Energy Chemistry</i> , 2020 , 40, 15-21	12	27
58	Pathways towards high energy aqueous rechargeable batteries. <i>Coordination Chemistry Reviews</i> , 2020 , 424, 213521	23.2	26
57	Synthesis of Two-Dimensional Transition-Metal Phosphates with Highly Ordered Mesoporous Structures for Lithium-Ion Battery Applications. <i>Angewandte Chemie</i> , 2014 , 126, 9506-9509	3.6	24

56	Amorphous Iron Oxyhydroxide Nanosheets: Synthesis, Li Storage, and Conversion Reaction Kinetics. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 17462-17469	3.8	24
55	Liquid-Phase Epitaxial Growth of Two-Dimensional Semiconductor Hetero-nanostructures. <i>Angewandte Chemie</i> , 2015 , 127, 1861-1865	3.6	22
54	A High-Temperature Na-Ion Battery: Boosting the Rate Capability and Cycle Life by Structure Engineering. <i>Small</i> , 2020 , 16, e1906669	11	21
53	Pristine graphene for advanced electrochemical energy applications. <i>Journal of Power Sources</i> , 2019 , 437, 226899	8.9	20
52	Carbon-based materials for all-solid-state zinc-air batteries 2021 , 3, 50-65		19
51	Ultrafast flame growth of carbon nanotubes for high-rate sodium storage. <i>Journal of Power Sources</i> , 2019 , 439, 227072	8.9	18
50	Development and challenge of advanced nonaqueous sodium ion batteries. <i>EnergyChem</i> , 2020 , 2, 1000336.9	16.9	18
49	Multiscale optimization of Li-ion diffusion in solid lithium metal batteries via ion conductive metal-organic frameworks. <i>Nanoscale</i> , 2020 , 12, 6976-6982	7.7	17
48	Growth of Si nanowires in porous carbon with enhanced cycling stability for Li-ion storage. <i>Journal of Power Sources</i> , 2014 , 250, 160-165	8.9	17
47	Fe ₃ O ₄ nanoparticle chains with N-doped carbon coating: magnetotactic bacteria assisted synthesis and high-rate lithium storage. <i>RSC Advances</i> , 2013 , 3, 14960	3.7	16
46	The Synergetic Effect of Lithium Bisoxalatodifluorophosphate and Fluoroethylene Carbonate on Dendrite Suppression for Fast Charging Lithium Metal Batteries. <i>Small</i> , 2020 , 16, e2001989	11	15
45	Free-Standing Hydrated Sodium Vanadate Papers for High-Stability Zinc-Ion Batteries. <i>Batteries and Supercaps</i> , 2020 , 3, 254-260	5.6	15
44	A review of advanced separators for rechargeable batteries. <i>Journal of Power Sources</i> , 2021 , 509, 230372.9	18.9	14
43	Advances in K-Q (Q = S, Se and Se S) batteries. <i>Materials Today</i> , 2020 , 39, 9-22	21.8	13
42	Superior wide-temperature lithium storage in a porous cobalt vanadate. <i>Nano Research</i> , 2020 , 13, 1867-1874	18.74	13
41	Double-Layer N,S-Codoped Carbon Protection of MnS Nanoparticles Enabling Ultralong-Life and High-Rate Lithium Ion Storage. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4867-4873	6.1	12
40	Integrated Charge Transfer in Colloidal Cu/MnO Heterostructures for High-Performance Lithium Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 17452-17460	3.8	12
39	Synthesis of Single-Crystalline LiMn ₂ O ₄ and LiMn _{1.5} Ni _{0.5} O ₄ Nanocrystals and Their Lithium Storage Properties. <i>ChemPlusChem</i> , 2013 , 78, 218-221	2.8	12

38	A High-Efficiency Mo C Electrocatalyst Promoting the Polysulfide Redox Kinetics for Na-S Batteries.. <i>Advanced Materials</i> , 2022 , e2200479	24	12
37	Phosphorus-Doping-Induced Surface Vacancies of 3D Na Ti O Nanowire Arrays Enabling High-Rate and Long-Life Sodium Storage. <i>Chemistry - A European Journal</i> , 2019 , 25, 14881-14889	4.8	11
36	Artificial Heterogeneous Interphase Layer with Boosted Ion Affinity and Diffusion for Na/K Metal Batteries.. <i>Advanced Materials</i> , 2022 , e2109439	24	11
35	Mesoporous carbon nanosheet-assembled flowers towards superior potassium storage. <i>Chinese Chemical Letters</i> , 2021 , 32, 1161-1164	8.1	11
34	Controlled Synthesis of Manganese Oxyhydroxide Nanotubes: Implications for High-Efficiency Supercapacitors. <i>ChemPlusChem</i> , 2013 , 78, 554-560	2.8	10
33	VS4/carbon nanotube hybrid: A high-rate anode for sodium-ion battery. <i>Journal of Power Sources</i> , 2021 , 501, 230021	8.9	10
32	Hierarchically porous nanosheets-constructed 3D carbon network for ultrahigh-capacity supercapacitor and battery anode. <i>Nanotechnology</i> , 2019 , 30, 214002	3.4	9
31	Rational design of vanadium chalcogenides for sodium-ion batteries. <i>Journal of Power Sources</i> , 2020 , 478, 228769	8.9	9
30	Self-Assembled VS4 Hierarchitectures with Enhanced Capacity and Stability for Sodium Storage. <i>Energy and Environmental Materials</i> ,	13	9
29	Structural Engineering in Graphite-Based Metal-Ion Batteries. <i>Advanced Functional Materials</i> ,2107277	15.6	8
28	Enhanced low-temperature sodium storage kinetics in a NaTi ₂ (PO ₄) ₃ @C nanocomposite. <i>Journal of Power Sources</i> , 2020 , 477, 228735	8.9	8
27	A Long-Cycling Aqueous Zinc-Ion Pouch Cell: NASICON-Type Material and Surface Modification. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 1430-1435	4.5	7
26	Platinum and palladium nanotubes based on genetically engineered elastin-mimetic fusion protein-fiber templates: synthesis and application in lithium-O ₂ batteries. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 2555-9	4.5	7
25	Two-Dimensional Germanium Sulfide Nanosheets as an Ultra-Stable and High Capacity Anode for Lithium Ion Batteries. <i>Chemistry - A European Journal</i> , 2020 , 26, 6554-6560	4.8	7
24	Vanadium-based metal-organic frameworks and their derivatives for electrochemical energy conversion and storage. <i>SmartMat</i> ,	22.8	6
23	Homogeneous Na Deposition Enabling High-Energy Na-Metal Batteries. <i>Advanced Functional Materials</i> ,2110280	15.6	6
22	Gallium-based anodes for alkali metal ion batteries. <i>Journal of Energy Chemistry</i> , 2021 , 55, 557-571	12	6
21	Synergetic enhancement of sodium storage in gallium-based heterostructures. <i>Nano Energy</i> , 2021 , 89, 106395	17.1	6

20	Regulating the Electrolyte Solvation Structure Enables Ultralong Lifespan Vanadium-Based Cathodes with Excellent Low-Temperature Performance. <i>Advanced Functional Materials</i> , 2111714	15.6	6
19	Integrated Charge Transfer in Li ₃ V ₂ (PO ₄) ₃ /C for High-Power Li-Ion Batteries. <i>International Journal of Electrochemical Science</i> , 2017, 9925-9932	2.2	5
18	VOPO ₄ ·2H ₂ O: Large-Scale Synthesis and Zinc-Ion Storage Application. <i>Frontiers in Energy Research</i> , 2020, 8,	3.8	5
17	VOPO ₄ ·2H ₂ O Nanosheet Cathode for Enhanced Sodium Storage. <i>Frontiers in Energy Research</i> , 2020, 8,	3.8	5
16	Mechanical analysis of flexible integrated energy storage devices under bending by the finite element method. <i>Science China Materials</i> , 2021, 64, 2182-2192	7.1	5
15	Vanadate-based electrodes for rechargeable batteries. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1585-1609	7.8	5
14	An Efficient Strategy toward Multichambered Carbon Nanoboxes with Multiple Spatial Confinement for Advanced Sodium-Sulfur Batteries.. <i>ACS Nano</i> , 2021, 15, 20607-20618	16.7	5
13	Hybrid Cathodes Composed of K ₃ V ₂ (PO ₄) ₃ and Carbon Materials with Boosted Charge Transfer for K-Ion Batteries. <i>Surfaces</i> , 2020, 3, 1-10	2.9	4
12	Open-Ended Ni S-Co S Heterostructures Nanocage Anode with Enhanced Reaction Kinetics for Superior Potassium Ion Batteries.. <i>Advanced Materials</i> , 2022, e2201420	24	4
11	Component-Customizable Porous Rare-Earth-Based Colloidal Spheres towards Highly Effective Catalysts and Bioimaging Applications. <i>Chemistry - A European Journal</i> , 2017, 23, 16242-16248	4.8	3
10	Energy Storage: One-Pot Synthesis of Tunable Crystalline Ni ₃ S ₄ @Amorphous MoS ₂ Core/Shell Nanospheres for High-Performance Supercapacitors (Small 30/2015). <i>Small</i> , 2015, 11, 3720-3720	11	3
9	Achieving superior high-temperature sodium storage performance in a layered potassium vanadate. <i>Science China Materials</i> , 1	7.1	3
8	Superior potassium and zinc storage in K-doped VO ₂ (B) spheres. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3132-3138	7.8	3
7	Lithium-Ion Batteries: Nanostructured Li ₃ V ₂ (PO ₄) ₃ Cathodes (Small 21/2018). <i>Small</i> , 2018, 14, 1870095	11	3
6	Structure Engineering of Vanadium Tetrasulfides for High-Capacity and High-Rate Sodium Storage.. <i>Small</i> , 2022, e2107058	11	3
5	A copper tetrathiovanadate anode for ultra-stable potassium-ion storage. <i>Materials Chemistry Frontiers</i> ,	7.8	2
4	Fast and Reversible Na Intercalation in Nsutite-Type VO ₂ Hierarchitectures. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100191	4.6	2
3	Metal Chalcogenides: Metal Chalcogenides: Paving the Way for High-Performance Sodium/Potassium-Ion Batteries (Small Methods 1/2020). <i>Small Methods</i> , 2020, 4, 2070002	12.8	1

- 2 Engineering of Crosslinked Network and Functional Interlayer to Boost Cathode Performance of Tannin for Potassium Metal Batteries. *Advanced Functional Materials*, 2200178 15.6 ○
- 1 NASICON Electrodes: A Low-Temperature Sodium-Ion Full Battery: Superb Kinetics and Cycling Stability (Adv. Funct. Mater. 11/2021). *Advanced Functional Materials*, 2021, 31, 2170070 15.6