

# Sodium-ion batteries: present and future

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Carbon-coated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanoparticles with high electrochemical performance as anode material in sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10902-10908.	5.2	52
2	Micro-Intertexture Carbon-Free Iron Sulfides as Advanced High Tap Density Anodes for Rechargeable Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39416-39424.	4.0	45
3	Quick Activation of Nanoporous Anatase TiO <sub>2</sub> as High-Rate and Durable Anode Materials for Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39432-39440.	4.0	61
4	Dual-Graphene Rechargeable Sodium Battery. <i>Small</i> , 2017, 13, 1702449.	5.2	64
5	Synthesis and characterization of d-glucose derived nanospheric hard carbon negative electrodes for lithium- and sodium-ion batteries. <i>Electrochimica Acta</i> , 2017, 253, 536-544.	2.6	67
6	Synthesis of ZnSb@C microflower composites and their enhanced electrochemical performance for lithium-ion and sodium-ion batteries. <i>New Journal of Chemistry</i> , 2017, 41, 13060-13066.	1.4	18
7	Honeycomb-Ordered Na <sub>3</sub> Ni <sub>1.5</sub> M <sub>0.5</sub> BiO <sub>6</sub> (M = Ni, Cu,) Tj ETQq0.00 rgBT /Overlock 2715-2722.	8.8	70
8	Tunnel-type $\text{Fe}^{2+}$ -FeOOH cathode material for high rate sodium storage via a new conversion reaction. <i>Nano Energy</i> , 2017, 41, 687-696.	8.2	41
9	Freestanding Sodium-Ion Batteries Electrode Using Graphene Foam Coaxially Integrated with TiO <sub>2</sub> -Nanosheets. <i>Journal of the Electrochemical Society</i> , 2017, 164, A3060-A3067.	1.3	14
10	Na <sub>2.5</sub> Fe <sub>1.75</sub> (SO <sub>4</sub> ) <sub>3</sub> /Ketjen/rGO: An advanced cathode composite for sodium ion batteries. <i>Journal of Power Sources</i> , 2017, 369, 95-102.	4.0	29
11	Theoretical prediction of MXene-like structured Ti <sub>3</sub> C <sub>4</sub> as a high capacity electrode material for Na ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 29106-29113.	1.3	51
12	Ultrasmall MnO Nanoparticles Supported on Nitrogen-Doped Carbon Nanotubes as Efficient Anode Materials for Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 38401-38408.	4.0	61
13	Resolving the degradation pathways of the O3-type layered oxide cathode surface through the nano-scale aluminum oxide coating for high-energy density sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23671-23680.	5.2	107
14	Flexible Electrodes for Sodium-Ion Batteries: Recent Progress and Perspectives. <i>Advanced Materials</i> , 2017, 29, 1703012.	11.1	156
15	A Reduced Graphene Oxide/Disodium Terephthalate Hybrid as a High-Performance Anode for Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2017, 23, 16586-16592.	1.7	12
16	Carbon-coated graphene/antimony composite with a sandwich-like structure for enhanced sodium storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20623-20630.	5.2	27
17	Solvation and Dynamics of Sodium and Potassium in Ethylene Carbonate from ab Initio Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21913-21920.	1.5	152
18	Low-dimensional hybrid perovskites as high performance anodes for alkali-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18634-18642.	5.2	64

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19	Electrolyte Optimization for Enhancing Electrochemical Performance of Antimony Sulfide/Graphene Anodes for Sodium-Ion Batteries—Carbonate-Based and Ionic Liquid Electrolytes. ACS Sustainable Chemistry and Engineering, 2017, 5, 8269-8276.	3.2	43
20	Long Straczekite $\text{Ca}_{0.24}\text{V}_2\text{O}_5 \cdot \text{H}_2\text{O}$ Nanorods and Derived $\text{Ca}_{0.24}\text{V}_2\text{O}_5$ Nanorods as Novel Host Materials for Lithium Storage with Excellent Cycling Stability. Chemistry - A European Journal, 2017, 23, 13221-13232.	1.7	23
21	A review on hexacyanoferrate-based materials for energy storage and smart windows: challenges and perspectives. Journal of Materials Chemistry A, 2017, 5, 18919-18932.	5.2	235
22	High-rate capability of $\text{Na}_2\text{FePO}_4\text{F}$ nanoparticles by enhancing surface carbon functionality for Na-ion batteries. Journal of Materials Chemistry A, 2017, 5, 18707-18715.	5.2	70
23	A novel coronene// $\text{Na}_2\text{Ti}_3\text{O}_7$ dual-ion battery. Nano Energy, 2017, 40, 233-239.	8.2	103
24	High performance red phosphorus electrode in ionic liquid-based electrolyte for Na-ion batteries. Journal of Power Sources, 2017, 363, 404-412.	4.0	52
25	Insight into the Origin of Capacity Fluctuation of $\text{Na}_2\text{Ti}_6\text{O}_{13}$ Anode in Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 43596-43602.	4.0	34
26	A flexible $\text{Sb}_2\text{O}_3$ /carbon cloth composite as a free-standing high performance anode for sodium ion batteries. Chemical Communications, 2017, 53, 13165-13167.	2.2	60
27	General and Scalable Solid-State Synthesis of 2D MPS <sub>3</sub> (M = Fe, Co, Ni) Nanosheets and Tuning Their Li/Na Storage Properties. Small Methods, 2017, 1, 1700304.	4.6	90
28	Water effect on sodium mobility in zinc hexacyanoferrate during charge/discharge processes in sodium ion-based battery. Solid State Ionics, 2017, 312, 67-72.	1.3	23
29	Fabrication of an MOF-derived heteroatom-doped Co/CoO/carbon hybrid with superior sodium storage performance for sodium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 15356-15366.	5.2	317
30	Physico-Chemical and Electrochemical Properties of Nanoparticulate NiO/C Composites for High Performance Lithium and Sodium Ion Battery Anodes. Nanomaterials, 2017, 7, 423.	1.9	13
31	A Novel Open-Framework Cu-Ge-Based Chalcogenide Anode Material for Sodium-Ion Battery. Scanning, 2017, 2017, 1-6.	0.7	7
32	Towards High-Performance Aqueous Sodium-Ion Batteries: Stabilizing the Solid/Liquid Interface for NASICON-Type $\text{Na}_2\text{VTi}_3(\text{PO}_4)_3$ using Concentrated Electrolytes. ChemSusChem, 2018, 11, 1382-1389.	3.6	75
33	Interfaces in solid-state sodium-ion batteries: $\text{NaCoO}_2$ thin films on solid electrolyte substrates. Electrochimica Acta, 2018, 268, 226-233.	2.6	23
34	Binding Sulfur-Doped $\text{Nb}_2\text{O}_5$ Hollow Nanospheres on Sulfur-Doped Graphene Networks for Highly Reversible Sodium Storage. Advanced Functional Materials, 2018, 28, 1800394.	7.8	106
35	Habit plane-driven P2-type manganese-based layered oxide as long cycling cathode for Na-ion batteries. Journal of Power Sources, 2018, 383, 80-86.	4.0	38
36	Rational Design of Nanosized Light Elements for Hydrogen Storage: Classes, Synthesis, Characterization, and Properties. Advanced Materials Technologies, 2018, 3, 1700298.	3.0	34

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37	A stable layered P3/P2 and spinel intergrowth nanocomposite as a long-life and high-rate cathode for sodium-ion batteries. <i>Nanoscale</i> , 2018, 10, 6671-6677.	2.8	65
38	New Insights into the Roles of Mg in Improving the Rate Capability and Cycling Stability of O <sub>3</sub> -NaMn <sub>0.48</sub> Ni <sub>0.2</sub> Fe <sub>0.3</sub> Mg <sub>0.02</sub> O <sub>2</sub> for Sodium-ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 10819-10827.	4.0	113
39	Rational design of three-dimensional graphene encapsulated core-shell FeS@carbon nanocomposite as a flexible high-performance anode for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6414-6421.	5.2	113
40	Quaternary Transition Metal Oxide Layered Framework: O <sub>3</sub> -Type Na[Ni <sub>0.32</sub> Fe <sub>0.13</sub> Co <sub>0.15</sub> Mn <sub>0.40</sub> ]O <sub>2</sub> Cathode Material for High-Performance Sodium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13500-13507.	1.5	39
41	Mesoporous TiO <sub>2</sub> nanosheets anchored on graphene for ultra long life Na-ion batteries. <i>Nanotechnology</i> , 2018, 29, 225401.	1.3	17
42	Rubber-based carbon electrode materials derived from dumped tires for efficient sodium-ion storage. <i>Dalton Transactions</i> , 2018, 47, 4885-4892.	1.6	11
43	Electrochemical characterization of highly abundant, low cost iron (III) oxide as anode material for sodium-ion rechargeable batteries. <i>Electrochimica Acta</i> , 2018, 269, 367-377.	2.6	26
44	<i>Ab initio</i> molecular dynamics study of 1-D superionic conduction and phase transition in $\beta$ -eucryptite. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5052-5064.	5.2	22
45	Robust SnO <sub>2</sub> Nanoparticle-impregnated Carbon Nanofibers with Outstanding Electrochemical Performance for Advanced Sodium-ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8901-8905.	7.2	252
46	Different Effects of Al Substitution for Mn or Fe on the Structure and Electrochemical Properties of Na <sub>0.67</sub> Mn <sub>0.5</sub> Fe <sub>0.5</sub> O <sub>2</sub> as a Sodium Ion Battery Cathode Material. <i>Inorganic Chemistry</i> , 2018, 57, 5249-5257.	1.9	78
47	TiC <sub>3</sub> Monolayer with High Specific Capacity for Sodium-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2018, 140, 5962-5968.	6.6	244
48	Structural elucidation of NASICON (Na <sub>3</sub> Al <sub>2</sub> P <sub>3</sub> O <sub>12</sub> ) based glass electrolyte materials: effective influence of boron and gallium. <i>RSC Advances</i> , 2018, 8, 14422-14433.	1.7	12
49	High-Performance Sodium Metal Anodes Enabled by a Bifunctional Potassium Salt. <i>Angewandte Chemie</i> , 2018, 130, 9207-9210.	1.6	60
50	3D Graphene Network Encapsulating Mesoporous ZnS Nanospheres as High-Performance Anode Material in Sodium-ion Batteries. <i>ChemElectroChem</i> , 2018, 5, 1552-1558.	1.7	23
51	ZnV <sub>2</sub> O <sub>4</sub> : A potential anode material for sodium-ion batteries. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 88, 161-168.	2.7	25
52	Xanthoceras sorbifolia husks-derived porous carbon for sodium-ion and lithium-sulfur batteries. <i>Diamond and Related Materials</i> , 2018, 85, 104-111.	1.8	19
53	Prussian Blue Analogs for Rechargeable Batteries. <i>IScience</i> , 2018, 3, 110-133.	1.9	327
54	FePO <sub>4</sub> as an anode material to obtain high-performance sodium-based dual-ion batteries. <i>Chemical Communications</i> , 2018, 54, 4349-4352.	2.2	35

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55	Sulfur-functionalized three-dimensional graphene monoliths as high-performance anodes for ultrafast sodium-ion storage. <i>Chemical Communications</i> , 2018, 54, 4317-4320.	2.2	22
56	In Situ Encapsulating $\text{MnS}$ into N-Codoped Nanotube-Like Carbon as Advanced Anode Material: $\text{MnS}$ Phase Transition Promoted Cycling Stability and Superior Li/Na Storage Performance in Half/Full Cells. <i>Advanced Materials</i> , 2018, 30, e1706317.	11.1	164
57	Efficient Sodium Storage in Rolled-Up Amorphous Si Nanomembranes. <i>Advanced Materials</i> , 2018, 30, e1706637.	11.1	87
58	A Nonaqueous Potassium-Based Battery-Supercapacitor Hybrid Device. <i>Advanced Materials</i> , 2018, 30, e1800804.	11.1	345
59	Investigation of the Na Storage Property of One-Dimensional $\text{Cu}_2\text{Se}$ Nanorods. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 13491-13498.	4.0	45
60	The State and Challenges of Anode Materials Based on Conversion Reactions for Sodium Storage. <i>Small</i> , 2018, 14, e1703671.	5.2	106
61	Phosphorus: An Anode of Choice for Sodium-Ion Batteries. <i>ACS Energy Letters</i> , 2018, 3, 1137-1144.	8.8	141
62	Tuning the component ratio and corresponding sodium storage properties of layer-tunnel hybrid $\text{Na}_{0.6}\text{Mn}_1\text{-Ni}_0.2\text{O}_2$ cathode by a simple cationic $\text{Ni}^{2+}$ doping strategy. <i>Electrochimica Acta</i> , 2018, 273, 63-70.	2.6	23
63	Ultrasml $\text{TiO}_2$ -Coated Reduced Graphene Oxide Composite as a High-Rate and Long-Cycle-Life Anode Material for Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 14818-14826.	4.0	54
64	Research progress on vanadium-based cathode materials for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8815-8838.	5.2	161
65	Revisit of layered sodium manganese oxides: achievement of high energy by Ni incorporation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8558-8567.	5.2	52
66	High-Performance Sodium Metal Anodes Enabled by a Bifunctional Potassium Salt. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9069-9072.	7.2	144
67	Sodium and Sodium-Ion Batteries: 50 Years of Research. <i>Advanced Energy Materials</i> , 2018, 8, 1703137.	10.2	824
68	Sodium-Ion Battery Electrolytes: Modeling and Simulations. <i>Advanced Energy Materials</i> , 2018, 8, 1703036.	10.2	83
69	Influence of rare earth elements on porosity controlled synthesis of $\text{MnO}_2$ nanostructures for supercapacitor applications. <i>Electrochimica Acta</i> , 2018, 265, 532-546.	2.6	31
70	Tailoring Highly N-Doped Carbon Materials from Hexamine-Based MOFs: Superior Performance and New Insight into the Roles of N Configurations in Na-Ion Storage. <i>Small</i> , 2018, 14, e1703548.	5.2	98
71	Regulation of Breathing $\text{CuO}$ Nanoarray Electrodes for Enhanced Electrochemical Sodium Storage. <i>Advanced Functional Materials</i> , 2018, 28, 1707179.	7.8	61
72	Structural design of anode materials for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6183-6205.	5.2	127

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73	Long cycle life and high rate sodium-ion chemistry for hard carbon anodes. <i>Energy Storage Materials</i> , 2018, 13, 274-282.	9.5	129
74	Prussian Blue Cathode Materials for Sodium-Ion Batteries and Other Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702619.	10.2	460
75	Conversion-Based Cathode Materials for Rechargeable Sodium Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702646.	10.2	62
76	Toward High-Safety Potassium-Sulfur Batteries Using a Potassium Polysulfide Catholyte and Metal-Free Anode. <i>ACS Energy Letters</i> , 2018, 3, 540-541.	8.8	99
77	Remarkable Effect of Sodium Alginate Aqueous Binder on Anatase TiO <sub>2</sub> as High-Performance Anode in Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 5560-5568.	4.0	103
78	Graphene-Based Nanomaterials for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702469.	10.2	170
79	Water Desalination with Energy Storage Electrode Materials. <i>Joule</i> , 2018, 2, 10-15.	11.7	217
80	<i>In situ</i> atomic force microscopy study of nano-micro sodium deposition in ester-based electrolytes. <i>Chemical Communications</i> , 2018, 54, 2381-2384.	2.2	104
81	Challenges in Developing Electrodes, Electrolytes, and Diagnostics Tools to Understand and Advance Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702403.	10.2	221
82	Distinguishing the thermal behavior of Na- and Li-intercalated hard carbons via differential scanning calorimetry. <i>Electrochemistry Communications</i> , 2018, 88, 101-104.	2.3	10
83	Carbon coated ultrasmall anatase TiO <sub>2</sub> nanocrystal anchored on N,S-RGO as high-performance anode for sodium ion batteries. <i>Green Energy and Environment</i> , 2018, 3, 277-285.	4.7	23
84	Controllable Electrochemical Synthesis of Copper Sulfides as Sodium-Ion Battery Anodes with Superior Rate Capability and Ultralong Cycle Life. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 8016-8025.	4.0	73
85	Elucidation of the Sodium-Storage Mechanism in Hard Carbons. <i>Advanced Energy Materials</i> , 2018, 8, 1703217.	10.2	212
86	Boosting the Potassium Storage Performance of Alloy-Based Anode Materials via Electrolyte Salt Chemistry. <i>Advanced Energy Materials</i> , 2018, 8, 1703288.	10.2	382
87	Adsorption and Diffusion of Lithium and Sodium on Defective Rhenium Disulfide: A First Principles Study. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 5373-5384.	4.0	92
88	Moving to Aqueous Binder: A Valid Approach to Achieving High-Rate Capability and Long-Term Durability for Sodium-Ion Battery. <i>Advanced Science</i> , 2018, 5, 1700768.	5.6	82
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90	Understanding Fundamentals and Reaction Mechanisms of Electrode Materials for Na-Ion Batteries. <i>Small</i> , 2018, 14, e1703338.	5.2	86

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92	Two-dimensional nanostructures for sodium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3284-3303.	5.2	224
93	Cu <sub>2</sub> NiSnS <sub>4</sub> nanosphere array on carbon cloth as free-standing and binder-free electrodes for energy storage. <i>Electrochimica Acta</i> , 2018, 260, 305-313.	2.6	16
94	Electrochemically Formed Na <sub>x</sub> Mn[Mn(CN) <sub>6</sub> ] Thin Film Anodes Demonstrate Sodium Intercalation and Deintercalation at Extremely Negative Electrode Potentials in Aqueous Media. <i>ACS Applied Energy Materials</i> , 2018, 1, 123-128.	2.5	16
95	1D mesoporous NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /carbon nanofiber: The promising anode material for sodium-ion batteries. <i>Ceramics International</i> , 2018, 44, 5813-5816.	2.3	21
96	Achieving high mass loading of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @carbon on carbon cloth by constructing three-dimensional network between carbon fibers for ultralong cycle-life and ultrahigh rate sodium-ion batteries. <i>Nano Energy</i> , 2018, 45, 136-147.	8.2	143
97	Migration of sodium and lithium interstitials in anatase TiO <sub>2</sub> . <i>Solid State Ionics</i> , 2018, 315, 40-43.	1.3	9
98	Modulating the Electrochemical Performances of Layered Cathode Materials for Sodium Ion Batteries through Tuning Coulombic Repulsion between Negatively Charged TMO <sub>2</sub> Slabs. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 1707-1718.	4.0	34
99	Surface-Coating-Mediated Electrochemical Performance in CuO Nanowires during the Sodiation-Desodiation Cycling. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701255.	1.9	22
100	Prussian Blue@MoS <sub>2</sub> Layer Composites as Highly Efficient Cathodes for Sodium- and Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1706125.	7.8	88
101	High Rate Capability and Enhanced Cyclability of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> Cathode by In-Situ Coating of Carbon Nanofibers for Sodium-Ion Battery Applications. <i>Chemistry - A European Journal</i> , 2018, 24, 2913-2919.	1.7	34
102	Micro/Nanostructured Materials for Sodium Ion Batteries and Capacitors. <i>Small</i> , 2018, 14, 1702961.	5.2	210
103	Optimized hard carbon derived from starch for rechargeable seawater batteries. <i>Carbon</i> , 2018, 129, 564-571.	5.4	54
104	Stepwise chelation-etching synthesis of carbon-confined ultrafine SnO <sub>2</sub> nanoparticles for stable sodium storage. <i>Chemical Communications</i> , 2018, 54, 1469-1472.	2.2	14
105	High energy density rechargeable metal-free seawater batteries: a phosphorus/carbon composite as a promising anode material. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3046-3054.	5.2	40
106	Do imaging techniques add real value to the development of better post-Li-ion batteries?. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3304-3327.	5.2	36
107	Tin-Assisted Sb <sub>2</sub> S <sub>3</sub> Nanoparticles Uniformly Grafted on Graphene Effectively Improves Sodium-Ion Storage Performance. <i>ChemElectroChem</i> , 2018, 5, 811-816.	1.7	33
108	Boosting the Sodiation Capability and Stability of FeP by In Situ Anchoring on the Graphene Conductive Framework. <i>ChemNanoMat</i> , 2018, 4, 309-315.	1.5	19



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110	Advancement of technology towards developing Na-ion batteries. <i>Journal of Power Sources</i> , 2018, 378, 268-300.	4.0	142
111	The S-functionalized Ti <sub>3</sub> C <sub>2</sub> Mxene as a high capacity electrode material for Na-ion batteries: a DFT study. <i>Nanoscale</i> , 2018, 10, 3385-3392.	2.8	139
112	Vacuum Calcination Induced Conversion of Selenium/Carbon Wires to Tubes for High-Performance Sodium Selenide Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1706609.	7.8	69
113	SnS <sub>2</sub> /Sb <sub>2</sub> S <sub>3</sub> Heterostructures Anchored on Reduced Graphene Oxide Nanosheets with Superior Rate Capability for Sodium Ion Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 3873-3881.	1.7	88
114	A Chemical Approach to Raise Cell Voltage and Suppress Phase Transition in O <sub>3</sub> Sodium Layered Oxide Electrodes. <i>Advanced Energy Materials</i> , 2018, 8, 1702599.	10.2	127
115	Atomic layer deposition of crystalline epitaxial MoS <sub>2</sub> nanowall networks exhibiting superior performance in thin-film rechargeable Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2302-2310.	5.2	40
116	Na <sup>+</sup> /Vacancy Disordered P2-Na <sub>0.67</sub> Co <sub>1-x</sub> Ti <sub>x</sub> O <sub>2</sub> : High-Energy and High-Power Cathode Materials for Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 3562-3570.	4.0	78
117	New insights into understanding the exceptional electrochemical performance of P2-type manganese-based layered oxide cathode for sodium ion batteries. <i>Energy Storage Materials</i> , 2018, 15, 257-265.	9.5	86
118	Structure modulation and performance optimization of P2-Na <sub>0.7</sub> Mn <sub>0.75</sub> Fe <sub>0.25-x-y</sub> Ni <sub>x</sub> Co <sub>y</sub> O <sub>2</sub> through a synergistic substitution of Ni and Co for Fe. <i>Electrochimica Acta</i> , 2018, 277, 88-99.	2.6	29
119	Porphyrim-stabilized CNT in nanofiber via non-covalent interaction for enhanced electrochemical performance. <i>Electrochimica Acta</i> , 2018, 274, 112-120.	2.6	11
120	Robust SnO <sub>2</sub> Nanoparticle-impregnated Carbon Nanofibers with Outstanding Electrochemical Performance for Advanced Sodium Ion Batteries. <i>Angewandte Chemie</i> , 2018, 130, 9039-9043.	1.6	50
121	An Abnormal 3.7-Volt O <sub>3</sub> -Type Sodium Ion Battery Cathode. <i>Angewandte Chemie</i> , 2018, 130, 8310-8315.	1.6	23
122	An Abnormal 3.7-Volt O <sub>3</sub> -Type Sodium Ion Battery Cathode. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8178-8183.	7.2	109
123	Flexible Microsupercapacitors Based on Naturally Derived Juglone. <i>ChemPlusChem</i> , 2018, 83, 423-430.	1.3	7
124	Solvothermal synthesis and electrochemical properties of Na <sub>2</sub> CoSiO <sub>4</sub> and Na <sub>2</sub> CoSiO <sub>4</sub> /carbon nanotube cathode materials for sodium-ion batteries. <i>Electrochimica Acta</i> , 2018, 276, 102-110.	2.6	26
125	A Dual-Stimuli-Responsive Sodium-Bromine Battery with Ultrahigh Energy Density. <i>Advanced Materials</i> , 2018, 30, e1800028.	11.1	56
126	Internal structure Na storage mechanisms Electrochemical performance relations in carbons. <i>Progress in Materials Science</i> , 2018, 97, 170-203.	16.0	100



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128	Graphene-bound Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> film electrode with excellent cycle and rate performance for Na-ion batteries. <i>Electrochimica Acta</i> , 2018, 269, 282-290.	2.6	35
129	Multi-electron reaction materials for sodium-based batteries. <i>Materials Today</i> , 2018, 21, 960-973.	8.3	103
130	Free-Standing Nitrogen-Doped Cup-Stacked Carbon Nanotube Mats for Potassium-Ion Battery Anodes. <i>ACS Applied Energy Materials</i> , 2018, 1, 1703-1707.	2.5	90
131	Layered P2- type novel Na <sub>0.7</sub> Ni <sub>0.3</sub> Mn <sub>0.59</sub> Co <sub>0.1</sub> Cu <sub>0.01</sub> O <sub>2</sub> cathode material for high-capacity & stable rechargeable sodium ion battery. <i>Electrochimica Acta</i> , 2018, 270, 363-368.	2.6	36
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137	An effective method to screen sodium-based layered materials for sodium ion batteries. <i>Npj Computational Materials</i> , 2018, 4, .	3.5	77
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185	Materials based on group IVA elements for alloying-type sodium storage. <i>Science China Chemistry</i> , 2018, 61, 1494-1502.	4.2	22
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229	Na-Rich Prussian White Cathodes for Long-Life Sodium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16121-16129.	3.2	63
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250	Recent Advances of Cellulose-Based Materials and Their Promising Application in Sodium-Ion Batteries and Capacitors. <i>Small</i> , 2018, 14, e1802444.	5.2	75
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669	Microporous Battery Electrodes from Molecular Cluster Precursors. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 11292-11297.	4.0	8

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743	A Dual-Ion Organic Symmetric Battery Constructed from Phenazine-Based Artificial Bipolar Molecules. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9902-9906.	7.2	123
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784	Emergence of rechargeable seawater batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22803-22825.	5.2	71
785	Are type 316L stainless steel coin cells stable in nonaqueous carbonate solutions containing NaPF <sub>6</sub> or KPF <sub>6</sub> salt?. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26250-26260.	5.2	8
786	Spatially controlled synthesis of superlattice-like SnS/nitrogen-doped graphene hybrid nanobelts as high-rate and durable anode materials for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 27475-27483.	5.2	29
787	NASICON vs. Na metal: a new counter electrode to evaluate electrodes for Na secondary batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 27057-27065.	5.2	25
788	The general construction of asymmetric bowl-like hollow nanostructures by grafting carbon-sheathed ultrasmall iron-based compounds onto carbon surfaces for use as superior anodes for sodium-ion hybrid capacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24199-24204.	5.2	31
789	Enhanced Structural, Electrochemical, and Electrode Kinetic Properties of Na <sub>0.5</sub> Ni <sub>0.2</sub> Mg <sub>0.1</sub> Mn <sub>0.7</sub> O <sub>2</sub> Material for Sodium-Ion Battery Applications. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 22804-22810.	1.8	9
790	Ti-Based Oxide Anode Materials for Advanced Electrochemical Energy Storage: Lithium/Sodium Ion Batteries and Hybrid Pseudocapacitors. <i>Small</i> , 2019, 15, e1904740.	5.2	121
791	Tailoring Coral-Like Fe <sub>7</sub> Se <sub>8</sub> @C for Superior Low-Temperature Li/Na-Ion Half/Full Batteries: Synthesis, Structure, and DFT Studies. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 47886-47893.	4.0	35
792	Magnesium-Bismuth System: Thermodynamic Properties and Prospects for Use in Magnesium-Ion Batteries. <i>Russian Journal of Applied Chemistry</i> , 2019, 92, 1325-1335.	0.1	4
793	Anion amphiprotic ionic liquids as protic electrolyte matrices allowing sodium metal plating. <i>Chemical Communications</i> , 2019, 55, 12523-12526.	2.2	7
794	Advances in sodium secondary batteries utilizing ionic liquid electrolytes. <i>Energy and Environmental Science</i> , 2019, 12, 3247-3287.	15.6	129
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798	Hierarchical Hollow Prussian Blue Rods Synthesized via Self-Sacrifice Template as Cathode for High Performance Sodium Ion Battery. <i>Small Methods</i> , 2019, 3, 1800259.	4.6	45
799	An Overview of Mixed Polyanionic Cathode Materials for Sodium-Ion Batteries. <i>Small Methods</i> , 2019, 3, 1800253.	4.6	87
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803	In situ double-template fabrication of boron-doped 3D hierarchical porous carbon network as anode materials for Li- and Na-ion batteries. <i>Applied Surface Science</i> , 2019, 464, 422-428.	3.1	77
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808	Rechargeable Seawater Batteries—From Concept to Applications. <i>Advanced Materials</i> , 2019, 31, e1804936.	11.1	73
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814	Resorcinol-formaldehyde based carbon aerogel: Preparation, structure and applications in energy storage devices. <i>Microporous and Mesoporous Materials</i> , 2019, 279, 293-315.	2.2	78

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844	Porous carbons with tailored heteroatom doping and well-defined porosity as high-performance electrodes for robust Na-ion capacitors. <i>Journal of Power Sources</i> , 2019, 414, 68-75.	4.0	45
845	Carbon-Free TiO <sub>2</sub> Microspheres as Anode Materials for Sodium Ion Batteries. <i>ACS Energy Letters</i> , 2019, 4, 494-501.	8.8	63
846	K-doped Na <sub>3</sub> Fe <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode materials with high-stable structure for sodium-ion stored energy battery. <i>Journal of Alloys and Compounds</i> , 2019, 784, 939-946.	2.8	37
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848	High-energy Mn-based layered cathodes for sodium-ion batteries. <i>Science Bulletin</i> , 2019, 64, 149-150.	4.3	4
849	Hard Carbon as Sodium-Ion Battery Anodes: Progress and Challenges. <i>ChemSusChem</i> , 2019, 12, 133-144.	3.6	257
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866	VO <sub>2</sub> (A)/graphene nanostructure: Stand up to Na ion intercalation/deintercalation for enhanced electrochemical performance as a Na-ion battery cathode. <i>Electrochimica Acta</i> , 2019, 293, 97-104.	2.6	20
867	Heteroatom-Doped Carbon Materials: Synthesis, Mechanism, and Application for Sodium-ion Batteries. <i>Small Methods</i> , 2019, 3, 1800323.	4.6	203
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884	A concise guide to existing and emerging vehicle routing problem variants. <i>European Journal of Operational Research</i> , 2020, 286, 401-416.	3.5	171
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889	Progress on iron oxides and chalcogenides as anodes for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 379, 122261.	6.6	90
890	High performance all-solid-state sodium batteries actualized by polyethylene oxide/Na <sub>2</sub> Zn <sub>2</sub> TeO <sub>6</sub> composite solid electrolytes. <i>Energy Storage Materials</i> , 2020, 24, 467-471.	9.5	50
891	New conversion chemistry of CuSO <sub>4</sub> as ultra-high-energy cathode material for rechargeable sodium battery. <i>Energy Storage Materials</i> , 2020, 24, 458-466.	9.5	20
892	Advanced carbon nanostructures for future high performance sodium metal anodes. <i>Energy Storage Materials</i> , 2020, 25, 811-826.	9.5	114
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898	Advanced Materials for Sodium-Ion Capacitors with Superior Energy-Power Properties: Progress and Perspectives. <i>Small</i> , 2020, 16, e1902843.	5.2	45
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904	Multi-metal-Organic Frameworks and Their Derived Materials for Li/Na-Ion Batteries. <i>Electrochemical Energy Reviews</i> , 2020, 3, 127-154.	13.1	64

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906	Inner-conductivity optimized core-shell Ag@Fe <sub>3</sub> O <sub>4</sub> nanospheres for high-performance lithium-/sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 832, 152824.	2.8	8
907	Modelling of antimonene as an anode material in sodium-ion battery: A first-principles study. <i>Materials Chemistry and Physics</i> , 2020, 241, 122381.	2.0	27
908	Crystallization-induced ultrafast Na-ion diffusion in nickel hexacyanoferrate for high-performance sodium-ion batteries. <i>Nano Energy</i> , 2020, 67, 104250.	8.2	52
909	Spray-drying synthesis of P2-Na <sub>2</sub> /3Fe <sub>1</sub> /2Mn <sub>1</sub> /2O <sub>2</sub> with improved electrochemical properties. <i>Advanced Powder Technology</i> , 2020, 31, 190-197.	2.0	16
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1050	Cr <sub>2</sub> P <sub>2</sub> O <sub>7</sub> as a Novel Anode Material for Sodium and Lithium Storage. <i>Materials</i> , 2020, 13, 3139.	1.3	4
1051	Recent Advances in Atomic-scale Storage Mechanism Studies of Two-dimensional Nanomaterials for Rechargeable Batteries Beyond Li-ion. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 560-583.	1.3	14
1052	Hierarchical graphene@TiO <sub>2</sub> sponges for sodium-ion storage with high areal capacity and robust stability. <i>Electrochimica Acta</i> , 2020, 355, 136782.	2.6	13
1053	Synthesis and sodium storage performance of Sb porous nanostructure. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156369.	2.8	8
1054	Phase Engineering of Iron-Cobalt Sulfides for Zn-Air and Na-Ion Batteries. <i>ACS Nano</i> , 2020, 14, 10438-10451.	7.3	53
1055	Deep eutectic solvent synthesis of a 3D hierarchical porous NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C as a high-performance anode for sodium-ion batteries. <i>Ionics</i> , 2020, 26, 5553-5563.	1.2	7
1056	Dual-ion battery with MoS <sub>2</sub> cathode. <i>Energy Storage Materials</i> , 2020, 32, 159-166.	9.5	18
1057	Dual carbon decorated Na <sub>3</sub> MnTi(PO <sub>4</sub> ) <sub>3</sub> : A high-energy-density cathode material for sodium-ion batteries. <i>Nano Energy</i> , 2020, 70, 104548.	8.2	92
1058	Research Progress on Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Cathode Material of Sodium Ion Battery. <i>Frontiers in Chemistry</i> , 2020, 8, 635.	1.8	32
1059	Enhanced sodium storage kinetics of nitrogen rich cellulose-derived hierarchical porous carbon via subsequent boron doping. <i>Applied Surface Science</i> , 2020, 531, 147302.	3.1	23
1060	Cathode materials in non-aqueous aluminum-ion batteries: Progress and challenges. <i>Ceramics International</i> , 2020, 46, 26454-26465.	2.3	25
1061	Understanding the Capacity Fading Mechanisms of O <sub>3</sub> -type Na[Ni <sub>0.5</sub> Mn <sub>0.5</sub> ]O <sub>2</sub> Cathode for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2001609.	10.2	59
1062	Citrate-mediated synthesis of highly crystalline transition metal hexacyanoferrates and their Na ion storage properties. <i>Applied Surface Science</i> , 2020, 531, 147336.	3.1	5
1063	Review of current progress in non-aqueous aluminium batteries. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 133, 110100.	8.2	57
1064	Controlling at Elevated Temperature the Sodium Intercalation Capacity and Rate Capability of P <sub>2</sub> /3 Ni <sub>1/2</sub> Mn <sub>1/2</sub> O <sub>2</sub> through the Selective Substitution of Nickel with Magnesium. <i>Batteries and Supercaps</i> , 2020, 3, 1329-1340.	2.4	12
1065	Advances in materials for all-climate sodium-ion batteries. <i>EcoMat</i> , 2020, 2, e12043.	6.8	32
1066	A comprehensive study of the multiple effects of Y/Al substitution on O <sub>3</sub> -type NaNi <sub>0.33</sub> Mn <sub>0.33</sub> Fe <sub>0.33</sub> O <sub>2</sub> with improved cycling stability and rate capability for Na-ion battery applications. <i>Nanoscale</i> , 2020, 12, 16831-16839.	2.8	13

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1068	Coral reef-like MoS <sub>2</sub> microspheres with 1T/2H phase as high-performance anode material for sodium ion batteries. <i>Journal of Materials Science</i> , 2020, 55, 14389-14400.	1.7	16
1069	Featuring surface sodium storage properties of confined MoS <sub>2</sub> /bacterial cellulose-derived carbon nanofibers anode. <i>Applied Surface Science</i> , 2020, 530, 147261.	3.1	13
1070	Understanding the Na-Ion Storage Mechanism in Na <sub>3</sub> V <sub>2</sub> M(PO <sub>4</sub> ) <sub>3</sub> (M = Ni <sup>2+</sup> , Co <sup>2+</sup> , Mg <sup>2+</sup> ; $x = 0.1 \sim 0.5$ ) Cathodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 8475-8486.	2.5	25
1071	Water-stable O <sub>3</sub> -type layered Na transition metal oxides enabling environment friendly aqueous processing of electrodes with long-term electrochemical stability. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18064-18078.	5.2	18
1072	Fluorophosphates: Next Generation Cathode Materials for Rechargeable Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2001449.	10.2	50
1073	Spray-drying synthesis of Na <sub>2</sub> Fe <sub>1</sub> -Mn PO <sub>4</sub> F/C cathodes: A facile synergetic strategy harvesting superior sodium storage. <i>Advanced Powder Technology</i> , 2020, 31, 1564-1573.	2.0	12
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1075	High-performance graphene/disodium terephthalate electrodes with ether electrolyte for exceptional cooperative sodiation/desodiation. <i>Nano Energy</i> , 2020, 77, 105203.	8.2	16
1076	Active Materials for Aqueous Zinc Ion Batteries: Synthesis, Crystal Structure, Morphology, and Electrochemistry. <i>Chemical Reviews</i> , 2020, 120, 7795-7866.	23.0	950
1077	N-doped carbon-coated ultrasmall Nb <sub>2</sub> O <sub>5</sub> nanocomposite with excellent long cyclability for sodium storage. <i>Nanoscale</i> , 2020, 12, 18673-18681.	2.8	18
1078	Sodium diffusion in ionic liquid-based electrolytes for Na-ion batteries: the effect of polarizable force fields. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20114-20122.	1.3	13
1079	Reinforced supercapacitive behavior of O <sub>3</sub> -type layer-structured Na <sub>3</sub> Ni <sub>2</sub> BiO <sub>6</sub> in 1-butyl-3-methylimidazolium tetrafluoroborate (BMIMBF <sub>4</sub> ) electrolyte. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 16688-16700.	1.1	2
1080	Stable Potassium Metal Anodes with an Al-Aluminum Current Collector through Improved Electrolyte Wetting. <i>Advanced Materials</i> , 2020, 32, e2002908.	11.1	70
1081	Ostwald Ripening Tailoring Hierarchically Porous Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> O <sub>2</sub> F Hollow Nanospheres for Superior High-Rate and Ultrastable Sodium Ion Storage. <i>Small</i> , 2020, 16, e2004925.	5.2	34
1082	Hierarchically nanorod structured Na <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> /Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> nanocomposite as a superior anode for high-performance sodium ion battery. <i>Journal of Electroanalytical Chemistry</i> , 2020, 877, 114747.	1.9	13
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1086	Hydrothermal Activation of Porous Nitrogen-Doped Carbon Materials for Electrochemical Capacitors and Sodium-Ion Batteries. <i>Nanomaterials</i> , 2020, 10, 2163.	1.9	41
1087	Integrating P2 into O <sub>2</sub> toward a robust Mn-Based layered cathode for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 23820-23826.	5.2	21
1088	Recent progress in organic electrodes for zinc-ion batteries. <i>Journal of Semiconductors</i> , 2020, 41, 091704.	2.0	31
1089	Multifunctionalities of Graphene for Exploiting a Facile Conversion Reaction Route of Perovskite CoSnO <sub>3</sub> for Highly Reversible Na Ion Storage. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7988-7995.	2.1	5
1090	Vacancy-Driven High Rate Capabilities in Calcium-Doped Na <sub>0.4</sub> MnO <sub>2</sub> Cathodes for Aqueous Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2002077.	10.2	37
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1092	Efficient Na-Ion Storage in 2D TiS <sub>2</sub> Formed by a Vapor Phase Anion-Exchange Process. <i>Small Methods</i> , 2020, 4, 2000439.	4.6	12
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1094	Intrinsically high efficiency sodium metal anode. <i>Science China Chemistry</i> , 2020, 63, 1557-1562.	4.2	7
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1096	Tunable Surface Selenization on MoO <sub>2</sub> -Based Carbon Substrate for Notably Enhanced Sodium-Ion Storage Properties. <i>Small</i> , 2020, 16, e2001905.	5.2	60
1097	A Self-Healing Amalgam Interface in Metal Batteries. <i>Advanced Materials</i> , 2020, 32, e2004798.	11.1	34
1098	Dual-Strategy of Cation-Doping and Nanoengineering Enables Fast and Stable Sodium-Ion Storage in a Novel Fe/Mn-Based Layered Oxide Cathode. <i>Advanced Science</i> , 2020, 7, 2002199.	5.6	83
1099	High-Rate and Long-Cycle Cathode for Sodium-Ion Batteries: Enhanced Electrode Stability and Kinetics via Binder Adjustment. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 47580-47589.	4.0	29
1100	Nanoengineered Organic Electrodes for Highly Durable and Ultrafast Cycling of Organic Sodium-Ion Batteries. <i>Small</i> , 2020, 16, e2003688.	5.2	21
1101	A comprehensive review on the fabrication, modification and applications of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> cathodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21387-21407.	5.2	65
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1105	Recent advances in nanostructured metal phosphides as promising anode materials for rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19113-19132.	5.2	61
1106	Effect of Microstructure on Ionic Transport in Silica-Based Sodium Containing Nanoconfined Systems and Their Electrochemical Performance as Electrodes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 21155-21169.	1.5	11
1107	A preliminary study of phases, elemental mapping, and electrical properties on $\text{Na}_2\text{FeSiO}_4$ derived from rice husk silica. <i>Journal of Physics: Conference Series</i> , 2020, 1572, 012003.	0.3	6
1108	Electrolytes for Lithium and Sodium Metal Batteries. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3584-3598.	1.7	28
1109	In Situ-Formed $\text{Cr}_2\text{O}_3$ Coating on $\text{NaCrO}_2$ with Improved Sodium Storage Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 44671-44678.	4.0	20
1110	Spinel-Layered Intergrowth Composite Cathodes for Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 45997-46004.	4.0	26
1111	High rate and cyclic performance of $\text{Na}_3\text{Mg}_2\text{V}_2(\text{PO}_4)_3/\text{C}$ cathode for sodium-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 18360-18369.	1.1	9
1112	Tungsten disulfide: synthesis and applications in electrochemical energy storage and conversion. <i>Tungsten</i> , 2020, 2, 217-239.	2.0	44
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1115	Redox Mechanism in Na-Ion Battery Cathodes Probed by Advanced Soft X-Ray Spectroscopy. <i>Frontiers in Chemistry</i> , 2020, 8, 816.	1.8	12
1116	Sodium Ion Microscale Electrochemical Energy Storage Device: Present Status and Future Perspective. <i>Small Structures</i> , 2020, 1, 2000053.	6.9	47
1117	A Scalable Approach to $\text{Na}_2\text{FeP}_2\text{O}_7$ @Carbon/Expanded Graphite as a Low-Cost and High-Performance Cathode for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2020, 7, 3874-3882.	1.7	21
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1122	Recent Advances on Mixed Metal Sulfides for Advanced Sodium-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e2002976.	11.1	234
1123	Pseudocapacitive Vanadium-Based Materials toward High-Rate Sodium-Ion Storage. <i>Energy and Environmental Materials</i> , 2020, 3, 221-234.	7.3	95
1124	Phase transformation, charge transfer, and ionic diffusion of $\text{Na}_4\text{MnV}(\text{PO}_4)_3$ in sodium-ion batteries: a combined first-principles and experimental study. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17477-17486.	5.2	23
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1128	Delineating the Capacity Fading Mechanisms of $\text{Na}(\text{Ni}_{0.3}\text{Fe}_{0.4}\text{Mn}_{0.3})\text{O}_2$ at Higher Operating Voltages in Sodium-Ion Cells. <i>Chemistry of Materials</i> , 2020, 32, 7389-7396.	3.2	25
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1135	A review on current anode materials for rechargeable Mg batteries. <i>Journal of Magnesium and Alloys</i> , 2020, 8, 963-979.	5.5	79
1136	Revisiting the antiferromagnet $\text{NaNiO}_2$ with muon spin rotation measurements and density functional theory calculations. <i>Physical Review B</i> , 2020, 102, .	1.1	4
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1140	Iron Oxide-Iron Sulfide Hybrid Nanosheets as High-Performance Conversion-Type Anodes for Sodium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 10765-10775.	2.5	20
1141	Hierarchical Multicavity Nitrogen-Doped Carbon Nanospheres as Efficient Polyselenide Reservoir for Fast and Long-Life Sodium-Selenium Batteries. <i>Small</i> , 2020, 16, e2005534.	5.2	44
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1148	Recent Advances of Bimetallic Sulfide Anodes for Sodium Ion Batteries. <i>Frontiers in Chemistry</i> , 2020, 8, 353.	1.8	24
1149	Recent Advances in Developing Hybrid Materials for Sodium-Ion Battery Anodes. <i>ACS Energy Letters</i> , 2020, 5, 1939-1966.	8.8	149
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1155	High-Voltage Oxygen-Redox-Based Cathode for Rechargeable Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2001111.	10.2	72
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1164	Fast charging sodium-ion batteries based on Te-P-C composites and insights to low-frequency limits of four common equivalent impedance circuits. <i>Chemical Engineering Journal</i> , 2020, 398, 125703.	6.6	21
1165	Direct carbonization of black liquor powders into 3D honeycomb-like porous carbons with a tunable disordered degree for sodium-ion batteries. <i>New Journal of Chemistry</i> , 2020, 44, 10697-10702.	1.4	3
1166	Recent advances and prospects of layered transition metal oxide cathodes for sodium-ion batteries. <i>Energy Storage Materials</i> , 2020, 30, 9-26.	9.5	127
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1173	Sodium Induced Morphological Changes of Carbon Coated TiO <sub>2</sub> Anatase Nanoparticles - High-Performance Materials for Na-Ion Batteries. <i>MRS Advances</i> , 2020, 5, 2221-2229.	0.5	4
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1344	Hollow Bio-derived Polymer Nanospheres with Ordered Mesopores for Sodium-Ion Battery. <i>Nano-Micro Letters</i> , 2020, 12, 31.	14.4	19
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1417	Gallium-based anodes for alkali metal ion batteries. <i>Journal of Energy Chemistry</i> , 2021, 55, 557-571.	7.1	27
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1829	Nitrogen-doped carbon decorated $\text{TiO}_2/\text{Ti}_3\text{C}_2\text{T}_x$ MXene composites as anode material for high-performance sodium-ion batteries. <i>Surface and Coatings Technology</i> , 2021, 422, 127568.	2.2	22
1830	Improvement of cycle performance of the high nickel cathode material $\text{LiNi}_0.88\text{Co}_0.07\text{Al}_0.05\text{O}_2$ for lithium-ion batteries by the spray drying of $\text{V}_2\text{O}_5$ . <i>Journal of Alloys and Compounds</i> , 2022, 892, 162161.	2.8	12
1831	Understanding the Structural Evolution and Storage Mechanism of NASICON-Structure $\text{Mg}_{0.5}\text{Ti}_2(\text{PO}_4)_3$ for Li-Ion and Na-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13414-13423.	3.2	5
1832	Ultra-High-Rate $\text{Na}_3\text{V}(\text{PO}_3)_3\text{N}$ Cathode with Superior Stability for Fast-Charging Sodium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 10136-10144.	2.5	14
1833	A mini review on cathode materials for sodium-ion batteries. <i>International Journal of Applied Ceramic Technology</i> , 2022, 19, 913-923.	1.1	26

#	ARTICLE	IF	CITATIONS
1834	Status and Challenges of Cathode Materials for Room-Temperature Sodium-Sulfur Batteries. <i>Small Science</i> , 2021, 1, 2100059.	5.8	28
1835	Harnessing the Volume Expansion of $\text{MoS}_3$ Anode by Structure Engineering to Achieve High Performance Beyond Lithium-Based Rechargeable Batteries. <i>Advanced Materials</i> , 2021, 33, e2106232.	11.1	83
1836	Redox chemistry of advanced functional material for low-cost and environment-friendly seawater energy storage. <i>Materials Today Energy</i> , 2021, 21, 100805.	2.5	8
1837	Synchronous electrochemical evolution of electrode and performance enhancement of sodium ion battery anode. <i>Cell Reports Physical Science</i> , 2021, 2, 100553.	2.8	13
1838	Development of coarse-grained force field to investigate sodium-ion transport mechanisms in cyanoborate-based ionic liquid. <i>Journal of Molecular Liquids</i> , 2021, 338, 116648.	2.3	6
1839	<i>In Situ</i> Probing Potassium-Ion Intercalation-Induced Amorphization in Crystalline Iron Phosphate Cathode Materials. <i>Nano Letters</i> , 2021, 21, 7579-7586.	4.5	20
1840	Nonflammable Gel Polymer Electrolyte with Ion-Conductive Polyester Networks for Sodium Metal Cells with Excellent Cycling Stability and Enhanced Safety. <i>ACS Applied Energy Materials</i> , 2021, 4, 10153-10162.	2.5	7
1841	Unraveling the Role of Fluorinated Alkyl Carbonate Additives in Improving Cathode Performance in Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 46478-46487.	4.0	19
1842	Progress of the Elements Doped $\text{NaFeO}_2$ Cathode Materials for High Performance Sodium-Ion Batteries. <i>ChemistrySelect</i> , 2021, 6, 9701-9708.	0.7	5
1843	$\text{K}_2\text{Ti}_4\text{O}_9$ Nanoribbon Arrays Functionalized with Graphene Quantum Dots for Superior Pseudocapacitive Sodium Storage. <i>ChemElectroChem</i> , 2021, 8, 3410-3415.	1.7	3
1844	Multifunctional Disordered Sulfur-Doped Carbon for Efficient Sodium-Ion-Exchange and 2-Electron-Transfer-Dominant Oxygen Reduction Reaction. <i>Carbon</i> , 2021, 182, 242-253.	5.4	17
1845	Rational design of black phosphorene/g-C <sub>3</sub> B heterostructures as high-performance electrodes for Li and Na-ion batteries. <i>Applied Surface Science</i> , 2021, 561, 150093.	3.1	13
1846	Ship in bottle synthesis of yolk-shell $\text{MnS}$ @hollow carbon spheres for sodium storage. <i>Nanotechnology</i> , 2021, 32, 505602.	1.3	11
1847	Electrochemical investigations of a high-capacity $\text{Na}_2\text{CrO}_4/\text{C}$ nanocomposite anode for sodium-ion batteries. <i>International Journal of Energy Research</i> , 0, , .	2.2	3
1848	A review on novel activation strategy on carbonaceous materials with special morphology/texture for electrochemical storage. <i>Journal of Energy Chemistry</i> , 2021, 60, 572-590.	7.1	49
1849	Layered $\text{Na}_x\text{CoO}_2$ -based cathodes for advanced Na-ion batteries: review on challenges and advancements. <i>Ionics</i> , 2021, 27, 4549-4572.	1.2	11
1850	Ion dynamics in fluoride-containing polyatomic anion cathodes by muon spectroscopy. <i>JPhys Materials</i> , 2021, 4, 044015.	1.8	2
1851	Engineering of $\text{CuS}_x/\text{C}$ derived from Cu-MOF as long-life anodes for sodium-ion batteries. <i>Journal of Solid State Chemistry</i> , 2021, 302, 122348.	1.4	17

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1852	Building superior layered oxide cathode via rational surface engineering for both liquid & solid-state sodium ion batteries. <i>Chemical Engineering Journal</i> , 2021, 421, 127788.	6.6	16
1853	MoS <sub>2</sub> @N-doped graphene microtubes for fast sodium ion storage. <i>Applied Surface Science</i> , 2021, 564, 150394.	3.1	2
1854	SiO <sub>x</sub> /C Composite Anode of Lithium-Ion Batteries with Enhanced Performances Using Multicomponent Binders. <i>ACS Omega</i> , 2021, 6, 26805-26813.	1.6	5
1855	Carbon in lithium-ion and post-lithium-ion batteries: Recent features. <i>Synthetic Metals</i> , 2021, 280, 116864.	2.1	15
1856	Cationic and transition metal co-substitution strategy of O <sub>3</sub> -type NaCrO <sub>2</sub> cathode for high-energy sodium-ion batteries. <i>Energy Storage Materials</i> , 2021, 41, 183-195.	9.5	42
1857	Chromium doping into NASICON-structured Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode for high-power Na-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 422, 130052.	6.6	58
1858	ZnIn <sub>2</sub> S <sub>4</sub> : A promising anode material with high electrochemical performance for sodium-ion batteries. <i>Ceramics International</i> , 2021, 47, 28634-28641.	2.3	9
1859	Inherent inhibition of oxygen loss by regulating superstructural motifs in anionic redox cathodes. <i>Nano Energy</i> , 2021, 88, 106252.	8.2	32
1860	New synthesis route for glasses and glass-ceramics in the Ga <sub>2</sub> S <sub>3</sub> Na <sub>2</sub> S binary system. <i>Materials Research Bulletin</i> , 2021, 142, 111423.	2.7	8
1861	Mixed structures as a new strategy to develop outstanding oxides-based cathode materials for sodium ion batteries: A review. <i>Journal of Energy Chemistry</i> , 2021, 61, 47-60.	7.1	52
1862	In-plane ordering and nature of N-doping in hard carbon synthesized at low temperature govern the sodium-ion intercalation. <i>Journal of Electroanalytical Chemistry</i> , 2021, 899, 115669.	1.9	5
1863	Surface-Modified Na(Ni <sub>0.3</sub> Fe <sub>0.4</sub> Mn <sub>0.3</sub> )O <sub>2</sub> Cathodes with Enhanced Cycle Life and Air Stability for Sodium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 11735-11742.	2.5	31
1864	Probing the effect of Mg doping on triclinic Na <sub>2</sub> Mn <sub>3</sub> O <sub>7</sub> transition metal oxide as cathode material for sodium-ion batteries. <i>Electrochimica Acta</i> , 2021, 394, 139139.	2.6	17
1865	FeMoO <sub>4</sub> nanorods anchored on graphene sheets as a potential anode for high performance sodium ion batteries. <i>Journal of Alloys and Compounds</i> , 2021, 877, 160306.	2.8	8
1866	Ultra-Stable, Ultra-Long-Lifespan and Ultra-High-Rate Na-ion Batteries Using Small-Molecule Organic Cathodes. <i>Energy Storage Materials</i> , 2021, 41, 738-747.	9.5	40
1867	Nickel silicate hydroxide on hierarchically porous carbon derived from rice husks as high-performance electrode material for supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 35351-35364.	3.8	17
1868	Conductive halloysite clay nanotubes for high performance sodium ion battery cathode. <i>Applied Clay Science</i> , 2021, 213, 106265.	2.6	13
1869	Improvement in potassium ion batteries electrodes: Recent developments and efficient approaches. <i>Journal of Energy Chemistry</i> , 2021, 62, 307-337.	7.1	73

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1871	Enhancing electrochemical performance of sodium Prussian blue cathodes for sodium-ion batteries via optimizing alkyl carbonate electrolytes. Ceramics International, 2021, 47, 30164-30171.	2.3	8
1872	Structural and electrochemical trends in mixed manganese oxides $\text{Na}_x\text{Mn}_2\text{O}_7$ . $\text{Na}_x\text{Mn}_2\text{O}_7$	4.0	10
1873	Flexible SHS2/CNTs/porous Cu tube textile anode for enhanced sodium-ion batteries. Electrochimica Acta, 2021, 396, 139243.	2.6	12
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1876	A novel type of chloride ion battery that can change the structure of electric vehicle. Journal of Power Sources, 2021, 512, 230507.	4.0	13
1877	Insight into the structure-capacity relationship in biomass derived carbon for high-performance sodium-ion batteries. Journal of Energy Chemistry, 2021, 62, 497-504.	7.1	34
1878	Elucidating the role of graphene and porous carbon coating on nanostructured $\text{Sb}_2\text{S}_3$ for superior lithium and sodium storage. Journal of Alloys and Compounds, 2021, 883, 160906.	2.8	26
1879	Synergetic enhancement of sodium storage in gallium-based heterostructures. Nano Energy, 2021, 89, 106395.	8.2	15
1880	Recent progress on heterostructure materials for next-generation sodium/potassium ion batteries. Renewable and Sustainable Energy Reviews, 2021, 151, 111640.	8.2	46
1881	Hierarchical $\text{Sb}_2\text{S}_3@ \text{m-Ti}_3\text{C}_2\text{T}_x$ composite anode with enhanced Na-ion storage properties. Journal of Alloys and Compounds, 2021, 887, 161318.	2.8	8
1882	Artificial cathode electrolyte interphase by functional additives toward long-life sodium-ion batteries. Chemical Engineering Journal, 2021, 425, 130547.	6.6	32
1883	Higher 2nd life Lithium Titanate battery content in hybrid energy storage systems lowers environmental-economic impact and balances eco-efficiency. Renewable and Sustainable Energy Reviews, 2021, 152, 111704.	8.2	22
1884	Vitrification of maricite $\text{NaFePO}_4$ crystal by laser irradiation and enhanced sodium ion battery performance. Journal of Alloys and Compounds, 2021, 885, 160928.	2.8	10
1885	Chiral carbon nanotubes decorated $\text{MoS}_2$ nanosheets as stable anode materials for sodium-ion batteries. Journal of Alloys and Compounds, 2021, 887, 161354.	2.8	14
1886	Review on recent progress in hydrothermally synthesized $\text{MCo}_2\text{O}_4/\text{rGO}$ composite for energy storage devices. Chemical Engineering Journal, 2021, 426, 131544.	6.6	36
1887	$\text{P}_2/\text{O}_3$ biphasic Fe/Mn-based layered oxide cathode with ultrahigh capacity and great cyclability for sodium ion batteries. Nano Energy, 2021, 90, 106504.	8.2	69

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1889	Leaf-like integrated hierarchical NiCo <sub>2</sub> O <sub>4</sub> nanorods@Ni-Co-LDH nanosheets electrodes for high-rate asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 884, 161165.	2.8	52
1890	Ultra-stable Sb/hard carbon composite anodes with synergistic alkali-ion storage performances. <i>Materials Research Bulletin</i> , 2021, 144, 111491.	2.7	13
1891	A high rate and long-cycle-life anode based on micrometer-sized Pb powder for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021, 886, 161240.	2.8	7
1892	Rational design of Co-free layered cathode material for sodium-ion batteries. <i>Journal of Power Sources</i> , 2021, 514, 230581.	4.0	20
1893	Cellulose based composite foams and aerogels for advanced energy storage devices. <i>Chemical Engineering Journal</i> , 2021, 426, 130817.	6.6	170
1894	Tailored amorphous titanium oxide and carbon composites for enhanced pseudocapacitive sodium storage. <i>Journal of Energy Chemistry</i> , 2022, 65, 127-132.	7.1	7
1895	Constructing NiS <sub>2</sub> /NiSe <sub>2</sub> heteroboxes with phase boundaries for Sodium-Ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 752-759.	5.0	36
1896	Construction of MoS <sub>2</sub> /Mxene heterostructure on stress-modulated kapok fiber for high-rate sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 472-482.	5.0	48
1897	Biomass seaweed-derived nitrogen self-doped porous carbon anodes for sodium-ion batteries: Insights into the structure and electrochemical activity. <i>Journal of Energy Chemistry</i> , 2022, 64, 286-295.	7.1	65
1898	Rich-oxygen-doped FeSe <sub>2</sub> nanosheets with high pseudocapacitance capacity as a highly stable anode for sodium ion battery. <i>Chemical Engineering Journal</i> , 2022, 428, 132637.	6.6	35
1899	Multidimensional synergistic architecture of Ti <sub>3</sub> C <sub>2</sub> MXene/CoS <sub>2</sub> @N-doped carbon for sodium-ion batteries with ultralong cycle lifespan. <i>Chemical Engineering Journal</i> , 2022, 429, 132396.	6.6	60
1900	Cathode materials for aqueous zinc-ion batteries: A mini review. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 828-850.	5.0	92
1901	A facile strategy for developing uniform hierarchical Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> @carbonized polyacrylonitrile multi-clustered hollow microspheres for high-energy-density sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 428, 131780.	6.6	39
1902	A redox-active metal-organic compound for lithium/sodium-based dual-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1024-1030.	5.0	11
1903	Perovskite fluoride KMF <sub>3</sub> (M=Ni or Co)@reduced graphene oxide anode for Na-based dual-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 891, 161905.	2.8	4
1904	Rational design of Na <sub>0.67</sub> Ni <sub>0.2</sub> Co <sub>0.2</sub> Mn <sub>0.6</sub> O <sub>2</sub> microsphere cathode material for stable and low temperature sodium ion storage. <i>Chemical Engineering Journal</i> , 2022, 428, 130990.	6.6	30
1905	3D MoS <sub>2</sub> foam integrated with carbon paper as binder-free anode for high performance sodium-ion batteries. <i>Journal of Energy Chemistry</i> , 2022, 65, 26-33.	7.1	42

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1906	Boosting potassium-storage performance via confining highly dispersed molybdenum dioxide nanoparticles within N-doped porous carbon nano-octahedrons. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1109-1119.	5.0	4
1907	Sb nanosheet modified separator for Li- <sup>S</sup> batteries with excellent electrochemical performance. <i>RSC Advances</i> , 2021, 11, 6798-6803.	1.7	5
1908	New approach to the fire risk and firefighting in small ships, as consequence of latest developments in Industry 4.0 for the use of hybrid propulsion.. <i>Procedia Computer Science</i> , 2021, 180, 4-12.	1.2	4
1909	Na-iyon Pillerin Anotlarında Karbon Nanoyapılarının Kullanımına Özerine Bir Derleme. <i>Journal of Polytechnic</i> , 0, , .	0.4	0
1910	Dual-carbon Na-ion capacitors: progress and future prospects. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9431-9450.	5.2	23
1911	Phase-transfer-assisted confined growth of mesoporous MoS <sub>2</sub> @graphene van der Waals supraparticles for unprecedented ultrahigh-rate sodium storage. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10714-10721.	5.2	14
1912	Na <sub>2</sub> Fe <sub>2</sub> F <sub>7</sub> : a fluoride-based cathode for high power and long life Na-ion batteries. <i>Energy and Environmental Science</i> , 2021, 14, 1469-1479.	15.6	16
1913	Industry 4.0 tools in lean production: A systematic literature review. <i>Procedia Computer Science</i> , 2021, 180, 394-403.	1.2	28
1914	Temperature-regulated biomass-derived hard carbon as a superior anode for sodium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7595-7605.	3.2	11
1915	Structure-property relationships in organic battery anode materials: exploring redox reactions in crystalline Na- and Li-benzene diacrylate using combined crystallography and density functional theory calculations. <i>Materials Advances</i> , 2021, 2, 1024-1034.	2.6	7
1916	Amorphization driven Na-alloying in Si <sub>x</sub> Ge <sub>1-x</sub> alloy nanowires for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20626-20634.	5.2	12
1917	Pseudo-solid-state electrolytes utilizing the ionic liquid family for rechargeable batteries. <i>Energy and Environmental Science</i> , 2021, 14, 5834-5863.	15.6	42
1918	A microscopic spatially confined strategy to realize completely reversible self-healing lattice restoration of MoS <sub>2</sub> for ultrastable reversible sodium-ion storage. <i>New Journal of Chemistry</i> , 2021, 45, 18575-18583.	1.4	2
1919	Potassium-ion batteries: outlook on present and future technologies. <i>Energy and Environmental Science</i> , 2021, 14, 2186-2243.	15.6	402
1920	Manganese Tetraphosphide (MnP <sub>4</sub> ) as a High Capacity Anode for Lithium-ion and Sodium-ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2003609.	10.2	34
1921	An overview of hydroxy-based polyanionic cathode insertion materials for metal-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 18283-18299.	1.3	3
1922	Co <sub>2</sub> GeO <sub>4</sub> nanocomposites with reduced graphene oxide and carbon nanotubes as high-performance anodes for Na-ion batteries. <i>RSC Advances</i> , 2021, 11, 13004-13013.	1.7	3
1923	Ionic conductivity and dielectric properties of bulk SPP-PEG hydrogels as Na <sup>+</sup> -ion-based SPE materials for energy storage applications. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5857-5866.	3.2	16



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1925	Nanoscale anodes for rechargeable batteries: Fundamentals and design principles. , 2021, , 91-157.		2
1926	P <sub>2</sub> -Na <sub>0.67</sub> Mn <sub>0.85</sub> Al <sub>0.15</sub> O <sub>2</sub> and NaMn <sub>2</sub> O <sub>4</sub> Blend as Cathode Materials for Sodium-Ion Batteries Using a Natural $\beta$ -MnO <sub>2</sub> Precursor. ACS Omega, 2021, 6, 1064-1072.	1.6	15
1927	Low in-plane atomic density phosphorene anodes for lithium-/sodium-ion batteries. Journal of Materials Chemistry C, 2021, 9, 6802-6814.	2.7	8
1928	Manganese phosphoxide/Ni <sub>5</sub> P <sub>4</sub> hybrids as an anode material for high energy density and rate potassium-ion storage. Journal of Materials Chemistry A, 2021, 9, 13936-13949.	5.2	5
1929	Research Progress of Organic Carbonyl Compounds on Sodium-Ion Battery. Material Sciences, 2021, 11, 717-731.	0.0	0
1930	Recent progress in "water-in-salt"™ and "water-in-salt"™-hybrid-electrolyte-based high voltage rechargeable batteries. Sustainable Energy and Fuels, 2021, 5, 1619-1654.	2.5	27
1931	The rational design of inorganic and organic material based nanocomposite hybrids as Na-ion battery electrodes. Materials Advances, 2021, 2, 5006-5046.	2.6	7
1932	Sodium-Ion Batteries: Current Understanding of the Sodium Storage Mechanism in Hard Carbons. Johnson Matthey Technology Review, 2022, 66, 44-60.	0.5	3
1933	First-Principles Study of Na Intercalation and Diffusion Mechanisms at 2D MoS <sub>2</sub> /Graphene Interfaces. Journal of Physical Chemistry C, 2021, 125, 2276-2286.	1.5	23
1934	Progress and Challenges for All-Solid-State Sodium Batteries. Advanced Energy and Sustainability Research, 2021, 2, 2000057.	2.8	49
1935	Natural template derived porous carbon nanoplate architectures with tunable pore configuration for a full-carbon sodium-ion capacitor. Journal of Materials Chemistry A, 2021, 9, 23607-23618.	5.2	19
1936	Prediction of chemically ordered dual transition metal carbides (MXenes) as high-capacity anode materials for Na-ion batteries. Nanoscale, 2021, 13, 7234-7243.	2.8	20
1937	Tunnel-Type Sodium Manganese Oxide Cathodes for Sodium-Ion Batteries. ChemElectroChem, 2021, 8, 798-811.	1.7	26
1938	Blowing Iron Chalcogenides into Two-Dimensional Flaky Hybrids with Superior Cyclability and Rate Capability for Potassium-Ion Batteries. ACS Nano, 2021, 15, 2506-2519.	7.3	79
1939	Few-Layer Bismuthene with Anisotropic Expansion for High-Areal-Capacity Sodium-Ion Batteries. Advanced Materials, 2019, 31, e1807874.	11.1	165
1940	Nano Polymorphism-Enabled Redox Electrodes for Rechargeable Batteries. Advanced Materials, 2021, 33, e2004920.	11.1	23
1941	General One-Pot Synthesis of Transition-Metal Phosphide/Nitrogen-Doped Carbon Hybrid Nanosheets as Ultrastable Anodes for Sodium-Ion Batteries. Chemistry - A European Journal, 2018, 24, 1253-1258.	1.7	26

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1942	Carbon Nanofibers with Embedded Sb <sub>2</sub> Se <sub>3</sub> Nanoparticles as Highly Reversible Anodes for Na-ion Batteries. <i>Small</i> , 2021, 17, e2006016.	5.2	54
1943	Rationally designed nitrogen-doped yolk-shell Fe <sub>7</sub> Se <sub>8</sub> /Carbon nanoboxes with enhanced sodium storage in half/full cells. <i>Carbon</i> , 2020, 166, 175-182.	5.4	39
1944	NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C    LiMn <sub>2</sub> O <sub>4</sub> rechargeable battery operating with Li <sup>+</sup> /Na <sup>+</sup> -mixed aqueous electrolyte exhibits superior electrochemical performance. <i>Electrochimica Acta</i> , 2017, 255, 220-229.	2.6	25
1945	Honeycomb-like porous 3D nickel electrodeposition for stable Li and Na metal anodes. <i>Energy Storage Materials</i> , 2018, 12, 69-78.	9.5	135
1946	Understanding rhombohedral iron hexacyanoferrate with three different sodium positions for high power and long stability sodium-ion battery. <i>Energy Storage Materials</i> , 2020, 30, 42-51.	9.5	62
1947	Upgrading agricultural biomass for sustainable energy storage: Bioprocessing, electrochemistry, mechanism. <i>Energy Storage Materials</i> , 2020, 31, 274-309.	9.5	38
1948	N, S co-doped modified graphene/Fe <sub>2</sub> O <sub>3</sub> composites synthesized via microwave-assisted method for Na-ion batteries. <i>Inorganic Chemistry Communication</i> , 2020, 121, 108188.	1.8	13
1949	A novel self-branching MnCo <sub>2</sub> O <sub>4</sub> / nanographene hybrid composites on macroporous electrically conductive network as bifunctional electrodes for boosting miniature supercapacitors and sodium ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 846, 155720.	2.8	24
1950	Monitoring the Sodiation Mechanism of Anatase TiO <sub>2</sub> Nanoparticle-Based Electrodes for Sodium-Ion Batteries by <i>Operando</i> XANES Measurements. <i>ACS Applied Energy Materials</i> , 2021, 4, 164-175.	2.5	9
1951	Microsphere Na <sub>0.65</sub> [Ni <sub>0.17</sub> Co <sub>0.11</sub> Mn <sub>0.72</sub> ] <sub>2</sub> Cathode Material for High-Performance Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44534-44541.	4.0	46
1952	From Lithium to Sodium and Potassium Batteries. , 2019, , 181-219.		1
1953	A review of hard carbon anode materials for sodium-ion batteries and their environmental assessment. <i>Materiaux Et Techniques</i> , 2019, 107, 503.	0.3	16
1954	Electrochemical analysis of Na <sub>0.7</sub> Co <sub>1-x</sub> Nb <sub>x</sub> O <sub>2</sub> (x = 0, 0.05) as cathode materials in sodium-ion batteries. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
1955	First principles study of Mo <sub>2</sub> N monolayer as potential anode material for na-ion batteries. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	3
1956	Boosting the lithium and sodium storage performance of graphene-based composite via pore engineering and surface protection. <i>Nanotechnology</i> , 2021, 32, 105402.	1.3	2
1957	Nanoconstruction and nanoeffect of phosphate-based cathode materials for advanced sodium-ion batteries. <i>Nano Futures</i> , 2020, 4, 042001.	1.0	9
1958	Possible high-potential ilmenite type $N_{a_1}M_{1-x}O_3$	0.9	2
1959	$S_{a_1}M_{1-x}O_3$	0.9	10

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1960	Electrochemical Performance Enhancement of Sodium-Ion Batteries Fabricated With NaNi <sub>1</sub> /3Mn <sub>1</sub> /3Co <sub>1</sub> /3O <sub>2</sub> Cathodes Using Support Vector Regression-Simplex Algorithm Approach. Journal of Electrochemical Energy Conversion and Storage, 2020, 17, .	1.1	14
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2132	Facile in situ synthesis of dual-heteroatom-doped high-rate capability carbon anode for rechargeable seawater-batteries. <i>Carbon</i> , 2022, 189, 251-264.	5.4	7
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2142	Surface engineering of anode materials for improving sodium-ion storage performance. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3889-3904.	5.2	20

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2148	Yolk-Shell Antimony/Carbon: Scalable Synthesis and Structural Stability Study in Sodium Ion Batteries. Advanced Functional Materials, 2022, 32, .	7.8	14
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2164	Oxide cathodes for sodium-ion batteries: Designs, challenges, and perspectives. , 2022, 4, 170-199.		76
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2175	Hierarchical Ion/Electron Networks Enable Efficient Red Phosphorus Anode with High Mass Loading for Sodium Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	21
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2551	Highly flexible MnO <sub>2</sub> @polyaniline core-shell nanowire film toward substantially expedited zinc energy storage. <i>Chemical Engineering Journal</i> , 2023, 452, 139408.	6.6	16
2552	Homogeneously distributed heterostructured interfaces in rice panicle-like SbBi-Bi <sub>2</sub> Se <sub>3</sub> -Sb <sub>2</sub> Se <sub>3</sub> nanowalls for robust sodium storage. <i>Chemical Engineering Journal</i> , 2023, 452, 139363.	6.6	5
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2554	Entropy-Change Driven Highly Reversible Sodium Storage for Conversion-Type Sulfide. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	17
2555	Amylopectin-Assisted Fabrication of In Situ Carbon-Coated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> Nanosheets for Ultra-Fast Sodium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 40812-40821.	4.0	10
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2653	Dual-Function Presodiation with Sodium Diphenyl Ketone towards Ultra-Stable Hard Carbon Anodes for Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 0, , .	1.6	0
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2672	Conformal carbon nitride thin film inter-active interphase heterojunction with sustainable carbon enhancing sodium storage performance. <i>Journal of Materials Chemistry A</i> , 2023, 11, 1439-1446.	5.2	4
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2690	Multi-layered fluorinated graphene cathode materials for lithium and sodium primary batteries. <i>Rare Metals</i> , 2023, 42, 940-953.	3.6	8
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2821	Recent Progress in Solid Electrolytes for All-Solid-State Metal(Li/Na)-Sulfur Batteries. <i>Batteries</i> , 2023, 9, 110.	2.1	4
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2823	Recent progress of Mn-based NASICON-type sodium ion cathodes. <i>Energy Storage Materials</i> , 2023, 57, 69-80.	9.5	16
2824	Covalency modulation enables stable Na-rich layered oxide cathodes for Na-ion batteries. <i>Electronic Structure</i> , 2023, 5, 014004.	1.0	1
2825	Interfacial coupling metallic MoS <sub>2</sub> nanosheets with wrinkled Ti <sub>3</sub> C <sub>2</sub> TX MXene for reversible and stable sodium storage. <i>Materials Today Energy</i> , 2023, 33, 101256.	2.5	3
2826	A High-Energy NASICON-type Na <sub>3.2</sub> MnTi <sub>0.8</sub> V <sub>0.2</sub> (PO <sub>4</sub> ) <sub>3</sub> Cathode Material with Reversible 3.2-Electron Redox Reaction for Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	18



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2833	Guest Ion-Dependent Reaction Mechanisms of New Pseudocapacitive $\text{Mg}_3\text{V}_4(\text{PO}_4)_6$ /Carbon Composite as Negative Electrode for Monovalent-Ion Batteries. <i>Advanced Science</i> , 2023, 10, .	5.6	3
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2839	Conductive $\text{Ti}_3\text{C}_2\text{T}_x$ networks to optimize $\text{Na}_3\text{V}_2\text{O}_7(\text{PO}_4)_2\text{F}$ cathodes for improved rate capability and low-temperature operation. <i>Dalton Transactions</i> , 2023, 52, 4717-4727.	1.6	1
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