

# Sodium and Sodium-Ion Batteries: 50 Years of Research

Advanced Energy Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Deciphering the Cathode–Electrolyte Interfacial Chemistry in Sodium Layered Cathode Materials. <i>Advanced Energy Materials</i> , 2018, 8, 1801975.	10.2	111
2	Recent developments of phosphorus-based anodes for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24013-24030.	5.2	69
3	Dandelion-shaped manganese sulfide in ether-based electrolyte for enhanced performance sodium-ion batteries. <i>Communications Chemistry</i> , 2018, 1, .	2.0	37
4	Improving the Electrochemical Properties of the Manganese-Based P3 Phase by Multiphasic Intergrowth. <i>Inorganic Chemistry</i> , 2018, 57, 15584-15591.	1.9	19
5	A Synergistic Na–Mn–O Composite Cathodes for High-Capacity Na–ion Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1802180.	10.2	21
6	MOF based on a longer linear ligand: electrochemical performance, reaction kinetics, and use as a novel anode material for sodium-ion batteries. <i>Chemical Communications</i> , 2018, 54, 11793-11796.	2.2	32
7	Oxygen Vacancy Engineering in Tin(IV) Oxide Based Anode Materials toward Advanced Sodium–ion Batteries. <i>ChemSusChem</i> , 2018, 11, 3693-3703.	3.6	37
8	An Attempt to Improve Electrochemical Performances of Lignin–Based Hard Carbon Microspheres Anodes in Sodium–ion Batteries by Using Hexamethylenetetramine. <i>ChemistrySelect</i> , 2018, 3, 9518-9525.	0.7	11
9	Evaluating the influences of the sulfur content in precursors on the structure and sodium storage performances of carbon materials. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11488-11495.	5.2	27
10	Exploration of the Na <sub>x</sub> MoO <sub>2</sub> phase diagram for low sodium contents (x < 0.5). <i>Journal of Materials Chemistry A</i> , 2018, 6, 14651-14662.	5.2	4
11	Vapor-Infiltration Approach toward Selenium/Reduced Graphene Oxide Composites Enabling Stable and High-Capacity Sodium Storage. <i>ACS Nano</i> , 2018, 12, 7397-7405.	7.3	60
12	Synergistic coupling of lamellar MoSe <sub>2</sub> and SnO <sub>2</sub> nanoparticles via chemical bonding at interface for stable and high-power sodium-ion capacitors. <i>Chemical Engineering Journal</i> , 2018, 354, 1164-1173.	6.6	73
13	Compared investigation of carbon-decorated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> with saccharides of different molecular weights as cathode of sodium ion batteries. <i>Electrochimica Acta</i> , 2018, 286, 231-241.	2.6	37
14	Rational design of metal organic framework-derived FeS <sub>2</sub> hollow nanocages@reduced graphene oxide for K-ion storage. <i>Nanoscale</i> , 2018, 10, 17092-17098.	2.8	139
15	Adverse effects of interlayer-gliding in layered transition-metal oxides on electrochemical sodium-ion storage. <i>Energy and Environmental Science</i> , 2019, 12, 825-840.	15.6	205
16	A modeling framework to assess specific energy, costs and environmental impacts of Li-ion and Na-ion batteries. <i>Sustainable Energy and Fuels</i> , 2019, 3, 3061-3070.	2.5	36
17	Turbostratic carbon-localised FeS <sub>2</sub> nanocrystals as anodes for high-performance sodium-ion batteries. <i>Nanoscale</i> , 2019, 11, 15497-15507.	2.8	23
18	First-Principles Investigations on Sodium Superionic Conductor Na <sub>11</sub> Sn <sub>2</sub> PS <sub>12</sub> . <i>Chemistry of Materials</i> , 2019, 31, 6066-6075.	3.2	23

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19	A Versatile Pyramidal Hauerite Anode in Congeniality Diglyme-Based Electrolytes for Boosting Performance of Li- and Na-Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1900710.	10.2	29
20	Building highly stable and industrial NaVPO <sub>4</sub> /C as bipolar electrodes for high-rate symmetric rechargeable sodium-ion full batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18451-18457.	5.2	39
21	A facile gaseous sulfur treatment strategy for Li-rich and Ni-rich cathode materials with high cycling and rate performance. <i>Nano Energy</i> , 2019, 63, 103887.	8.2	82
22	Understanding intercalation compounds for sodium-ion batteries and beyond. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20190020.	1.6	33
23	Nanostructured Electrode Materials for Advanced Sodium-Ion Batteries. <i>Matter</i> , 2019, 1, 90-114.	5.0	266
24	Meso-Structure Controlled Synthesis of Sodium Iron-Manganese Oxides Cathode for Low-Cost Na-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A2528-A2535.	1.3	12
25	A Calcium Organic Salt/rGO composite with Low Solubility and High Conductivity as a Sustainable Anode for Sodium-Ion Batteries. <i>ChemSusChem</i> , 2019, 12, 4160-4164.	3.6	12
26	1Tâ€²â€²ReS <sub>2</sub> Confined in 2Dâ€²Honeycombed Carbon Nanosheets as New Anode Materials for Highâ€²Performance Sodiumâ€²Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901146.	10.2	50
27	Electrodeposition Technologies for Li-Based Batteries: New Frontiers of Energy Storage. <i>Advanced Materials</i> , 2020, 32, e1903808.	11.1	70
28	Encapsulating Trogtalite CoSe <sub>2</sub> Nanobuds into BCN Nanotubes as High Storage Capacity Sodium Ion Battery Anodes. <i>Advanced Energy Materials</i> , 2019, 9, 1901778.	10.2	131
29	Phosphorusâ€²Dopingâ€²Induced Surface Vacancies of 3D Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> Nanowire Arrays Enabling Highâ€²Rate and Longâ€²Life Sodium Storage. <i>Chemistry - A European Journal</i> , 2019, 25, 14881-14889.	1.7	19
30	Comparative Life Cycle Assessment of a Novel Al-Ion and a Li-Ion Battery for Stationary Applications. <i>Materials</i> , 2019, 12, 3270.	1.3	18
31	Metallic Nb <sub>2</sub> S <sub>2</sub> C Monolayer: A Promising Two-Dimensional Anode Material for Metal-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26803-26811.	1.5	49
32	Simultaneous Component Ratio and Particle Size Optimization for Highâ€²Performance and High Tap Density P2/P3 Composite Cathode of Sodiumâ€²Ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 5155-5161.	1.7	20
33	Electrochemically Stable Sodium Metalâ€²Tellurium/Carbon Nanorods Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1903046.	10.2	33
34	Reducing Transformation Strains during Na Intercalation in Olivine FePO <sub>4</sub> Cathodes by Mn Substitution. <i>ACS Applied Energy Materials</i> , 2019, 2, 8060-8067.	2.5	15
35	Improving the Understanding of the Redox Properties of Fluoranil Derivatives for Cathodes in Sodiumâ€²Ion Batteries. <i>ChemSusChem</i> , 2019, 12, 4968-4975.	3.6	15
36	An Ordered P2/P3 Composite Layered Oxide Cathode with Long Cycle Life in Sodium-Ion Batteries. , 2019, 1, 573-581.		33

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37	Focus on Spinel $\text{Li}_4\text{Ti}_5\text{O}_{12}$ as Insertion Type Anode for High-Performance Na-Ion Batteries. <i>Small</i> , 2019, 15, e1904484.	5.2	35
38	Carbon-coated $\text{CoSe}_2$ nanoparticles confined in N-doped carbon microboxes with enhanced sodium storage properties. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21404-21409.	5.2	52
39	Restraining Oxygen Loss and Suppressing Structural Distortion in a Newly Ti-Substituted Layered Oxide $\text{P}_2\text{-Na}_{0.66}\text{Li}_{0.22}\text{Ti}_{0.15}\text{Mn}_{0.63}\text{O}_2$ . <i>ACS Energy Letters</i> , 2019, 4, 2409-2417.	8.8	112
40	Synthesis and electrochemical properties of manganese based compounds $\text{Na}_{0.6}\text{Li}_{0.4}\text{Mn}_{0.75}\text{O}_2$ and $\text{Na}_{0.6}\text{Zn}_{0.2}\text{Mn}_{0.75}\text{O}_2$ . <i>Journal of Alloys and Compounds</i> , 2019, 809, 151808.	2.8	2
41	Ti-based electrode materials for electrochemical sodium ion storage and removal. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22163-22188.	5.2	59
42	A paradigm of storage batteries. <i>Energy and Environmental Science</i> , 2019, 12, 3203-3224.	15.6	154
43	Tracing the technological development trajectory in post-lithium-ion battery technologies: A patent-based approach. <i>Journal of Cleaner Production</i> , 2019, 241, 118343.	4.6	56
44	Controlled Synthesis of $\text{Na}_3(\text{VOPO}_4)_2\text{F}$ Cathodes with an Ultralong Cycling Performance. <i>ACS Applied Energy Materials</i> , 2019, 2, 7474-7482.	2.5	31
45	Enhanced Electrochemical Performance of Sodium Manganese Ferrocyanide by $\text{Na}_3(\text{VOPO}_4)_2\text{F}$ Coating for Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 37685-37692.	4.0	33
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47	Boosting Na-ion diffusion by piezoelectric effect induced by alloying reaction of micro red-phosphorus/BaTiO <sub>3</sub> /graphene composite anode. <i>Nano Energy</i> , 2019, 66, 104136.	8.2	20
48	Resolving local dynamics of dual ions at the nanoscale in electrochemically active materials. <i>Nano Energy</i> , 2019, 66, 104160.	8.2	14
49	Ultrastable Sodium Storage in $\text{MoO}_3$ Nanotube Arrays Enabled by Surface Phosphorylation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 37761-37767.	4.0	29
50	Ultrathin carbon-coated $\text{FeS}_2$ nanooctahedra for sodium storage with long cycling stability. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 459-464.	3.0	21
51	Direct conversion of metal-organic frameworks into selenium/selenide/carbon composites with high sodium storage capacity. <i>Nano Energy</i> , 2019, 58, 392-398.	8.2	70
52	Polypyrrole and Carbon Nanotube Co-Composited Titania Anodes with Enhanced Sodium Storage Performance in Ether-Based Electrolyte. <i>Advanced Sustainable Systems</i> , 2019, 3, 1800154.	2.7	5
53	Construction of Hierarchical $\text{K}_{1.39}\text{Mn}_3\text{O}_6$ Spheres via $\text{AlF}_3$ Coating for High-Performance Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1803757.	10.2	83
54	Water-Processable $\text{P}_2\text{-Na}_{0.67}\text{Ni}_{0.22}\text{Cu}_{0.11}\text{Mn}_{0.56}\text{Ti}_{0.11}\text{O}_2$ Cathode Material for Sodium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A251-A257.	10.2	83

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55	Reduced air sensitivity and improved electrochemical stability of P2â€“Na <sub>2</sub> /3Mn <sub>1</sub> /2Fe <sub>1</sub> /4Co <sub>1</sub> /4O <sub>2</sub> through atomic layer deposition-assisted Al <sub>2</sub> O <sub>3</sub> coating. <i>Composites Part B: Engineering</i> , 2019, 173, 106913.	5.9	26
56	A Universal Strategy to Fabricate Metal Sulfides@Carbon Fibers As Freestanding and Flexible Anodes for High-Performance Lithium/Sodium Storage. <i>ACS Applied Energy Materials</i> , 2019, 2, 4421-4427.	2.5	17
57	Graphitic Nanocarbon with Engineered Defects for Highâ€“Performance Potassiumâ€“ion Battery Anodes. <i>Advanced Functional Materials</i> , 2019, 29, 1903641.	7.8	212
58	A Highâ€“Performance Monolithic Solidâ€“State Sodium Battery with Ca <sup>2+</sup> Doped Na <sub>3</sub> Zr <sub>2</sub> Si <sub>2</sub> PO <sub>12</sub> Electrolyte. <i>Advanced Energy Materials</i> , 2019, 9, 1901205.	10.2	174
59	Novel concentration gradient LiNi <sub>0.815</sub> Co <sub>0.15</sub> Al <sub>0.035</sub> O <sub>2</sub> microspheres as cathode material for lithium ion batteries. <i>Ceramics International</i> , 2019, 45, 19420-19428.	2.3	23
60	Na <sub>4</sub> Co <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> P <sub>2</sub> O <sub>7</sub> through Correlative <i>in Operando</i> X-ray Diffraction and Electrochemical Impedance Spectroscopy. <i>Chemistry of Materials</i> , 2019, 31, 5152-5159.	3.2	24
61	High-capacity organic sodium ion batteries using a sustainable C4Q/CMK-3/SWCNT electrode. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1977-1985.	3.0	37
62	Improved cycle and air stability of P3-Na <sub>0.65</sub> Mn <sub>0.75</sub> Ni <sub>0.25</sub> O <sub>2</sub> electrode for sodium-ion batteries coated with metal phosphates. <i>Chemical Engineering Journal</i> , 2019, 372, 1066-1076.	6.6	67
63	Manganeseâ€“Based Naâ€“Rich Materials Boost Anionic Redox in Highâ€“Performance Layered Cathodes for Sodiumâ€“ion Batteries. <i>Advanced Materials</i> , 2019, 31, e1807770.	11.1	113
64	Polyanions Enhance Conversion Reactions for Lithium/Sodiumâ€“ion Batteries: The Case of SbVO <sub>4</sub> Nanoparticles on Reduced Graphene Oxide. <i>Small Methods</i> , 2019, 3, 1900231.	4.6	31
65	Confined annealing-induced transformation of tin oxide into sulfide for sodium storage applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11877-11885.	5.2	18
66	Insights into the Function of Electrode and Electrolyte Materials in a Hybrid Lithiumâ€“Sodium Ion Cell. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11508-11521.	1.5	16
67	Effects of Different Atmosphere on Electrochemical Performance of Hard Carbon Electrode in Sodium Ion Battery. <i>Electronic Materials Letters</i> , 2019, 15, 428-436.	1.0	13
68	Safety-Enhanced Polymer Electrolytes for Sodium Batteries: Recent Progress and Perspectives. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 17109-17127.	4.0	100
69	In operando formation of new iron-oxyfluoride host structure for Na-ion storage from NaFâ€“FeO nanocomposite. <i>Energy Storage Materials</i> , 2019, 23, 427-433.	9.5	8
70	Bowl-like double carbon layer architecture of hollow carbon@FePO <sub>4</sub> @reduced graphene oxide composite as high-performance cathodes for sodium and lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 795, 34-44.	2.8	22
71	Lath-shaped biomass derived hard carbon as anode materials with super rate capability for sodium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019, 841, 63-72.	1.9	39
72	Multivalent metal ion hybrid capacitors: a review with a focus on zinc-ion hybrid capacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13810-13832.	5.2	312

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73	3D rGO aerogel with superior electrochemical performance for K <sup>+</sup> Ion battery. <i>Energy Storage Materials</i> , 2019, 19, 306-313.	9.5	70
74	Redox-Driven Spin Transition in a Layered Battery Cathode Material. <i>Chemistry of Materials</i> , 2019, 31, 2358-2365.	3.2	19
75	A Stable Layered Oxide Cathode Material for High-Performance Sodium-Ion Battery. <i>Advanced Energy Materials</i> , 2019, 9, 1803978.	10.2	191
76	All-iron sodium-ion full-cells assembled via stable porous goethite nanorods with low strain and fast kinetics. <i>Nano Energy</i> , 2019, 60, 294-304.	8.2	14
77	Recent advances in high energy-density cathode materials for sodium-ion batteries. <i>Sustainable Materials and Technologies</i> , 2019, 21, e00098.	1.7	43
78	Catalytic Synthesis of Hard/Soft Carbon Hybrids with Heteroatom Doping for Enhanced Sodium Storage. <i>ChemistrySelect</i> , 2019, 4, 3551-3558.	0.7	9
79	Potassium Ordering and Structural Phase Stability in Layered K <sub>x</sub> CoO <sub>2</sub> . <i>ACS Applied Energy Materials</i> , 2019, 2, 2629-2636.	2.5	29
80	Atomistic Insight into Glide-Driven Phase Transformations in Layered Oxides for Sodium-Ion Batteries: A Case Study on Na <sub>x</sub> VO <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 12562-12569.	4.0	13
81	Interphases in Electroactive Suspension Systems: Where Chemistry Meets Mesoscale Physics. <i>Batteries and Supercaps</i> , 2019, 2, 579-590.	2.4	9
82	Hollow paramecium-like SnO <sub>2</sub> /TiO <sub>2</sub> heterostructure designed for sodium storage. <i>Journal of Solid State Chemistry</i> , 2019, 274, 176-181.	1.4	13
83	High and intermediate temperature sodium-sulfur batteries for energy storage: development, challenges and perspectives. <i>RSC Advances</i> , 2019, 9, 5649-5673.	1.7	68
84	Multiscale Graphene-Based Materials for Applications in Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1803342.	10.2	215
85	Niobium-Based Oxides Toward Advanced Electrochemical Energy Storage: Recent Advances and Challenges. <i>Small</i> , 2019, 15, e1804884.	5.2	130
86	Recent Progress of Layered Transition Metal Oxide Cathodes for Sodium-Ion Batteries. <i>Small</i> , 2019, 15, e1805381.	5.2	246
87	Rod-Like Sb <sub>2</sub> MoO <sub>6</sub> : Structure Evolution and Sodium Storage for Sodium-Ion Batteries. <i>Small Methods</i> , 2019, 3, 1800533.	4.6	26
88	Layer-Based Heterostructured Cathodes for Lithium-Ion and Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1808522.	7.8	82
89	A New P2-Type Layered Oxide Cathode with Extremely High Energy Density for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1803346.	10.2	143
90	Lithium versus Mono/Polyvalent Ion Intercalation: Hybrid Metal Ion Systems for Energy Storage. <i>Chemical Record</i> , 2019, 19, 474-501.	2.9	21

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92	Exceptionally highly stable cycling performance and facile oxygen-redox of manganese-based cathode materials for rechargeable sodium batteries. Nano Energy, 2019, 59, 197-206.	8.2	100
93	Critical design factors for kinetically favorable P-based compounds toward alloying with Na ions for high-power sodium-ion batteries. Energy and Environmental Science, 2019, 12, 1326-1333.	15.6	58
94	Highly crystalline sodium manganese ferrocyanide microcubes for advanced sodium ion battery cathodes. Journal of Materials Chemistry A, 2019, 7, 22248-22256.	5.2	51
95	Anion amphiprotic ionic liquids as protic electrolyte matrices allowing sodium metal plating. Chemical Communications, 2019, 55, 12523-12526.	2.2	7
96	Advances in sodium secondary batteries utilizing ionic liquid electrolytes. Energy and Environmental Science, 2019, 12, 3247-3287.	15.6	129
97	High Rate Performance for Carbon-Coated $Na_3V_2(PO_4)_2F_3$ in Na-Ion Batteries. Small Methods, 2019, 3, 1800215.	4.6	92
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102	Rambutan-Like Hybrid Hollow Spheres of Carbon Confined $Co_3O_4$ Nanoparticles as Advanced Anode Materials for Sodium-Ion Batteries. Advanced Functional Materials, 2019, 29, 1807377.	7.8	89
103	A zero fading sodium ion battery: High compatibility microspherical patronite in ether-based electrolyte. Energy Storage Materials, 2019, 19, 270-280.	9.5	29
104	Analysis of the Solid Electrolyte Interphase on Hard Carbon Electrodes in Sodium-Ion Batteries. ChemElectroChem, 2019, 6, 1745-1753.	1.7	57
105	Ni <sub>3</sub> (BO <sub>3</sub> ) <sub>2</sub> as anode material with high capacity and excellent rate performance for sodium-ion batteries. Chemical Engineering Journal, 2019, 363, 285-291.	6.6	26
106	Carbon-Free TiO <sub>2</sub> Microspheres as Anode Materials for Sodium Ion Batteries. ACS Energy Letters, 2019, 4, 494-501.	8.8	63
107	Concentrated electrolytes unlock the full energy potential of potassium-sulfur battery chemistry. Energy Storage Materials, 2019, 18, 470-475.	9.5	72
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109	The novel P3-type layered Na <sub>0.65</sub> Mn <sub>0.75</sub> Ni <sub>0.25</sub> O <sub>2</sub> oxides doped by non-metallic elements for high performance sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 360, 139-147.	6.6	67
110	Rational design and synthesis of advanced Na <sub>3</sub> À·32Fe <sub>2</sub> À·34(P <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> cathode with multiple-dimensional N-doped carbon matrix. <i>Journal of Power Sources</i> , 2019, 412, 350-358.	4.0	18
111	O <sub>3</sub> -type NaNi <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> hollow microbars with exposed {011} facets as high performance cathode materials for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 382, 122978.	6.6	54
112	Preparation of porous FeS <sub>2</sub> -C/RG composite for sodium ion batteries. <i>Chemical Engineering Journal</i> , 2020, 380, 122549.	6.6	42
113	The effects of dual modification on structure and performance of P2-type layered oxide cathode for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 384, 123234.	6.6	48
114	Design Strategies to Enable the Efficient Use of Sodium Metal Anodes in High-Energy Batteries. <i>Advanced Materials</i> , 2020, 32, e1903891.	11.1	173
115	Formation of hierarchical Fe <sub>7</sub> Se <sub>8</sub> nanorod bundles with enhanced sodium storage properties. <i>Journal of Energy Chemistry</i> , 2020, 44, 97-105.	7.1	32
116	Manipulating 2D Few-Layer Metal Sulfides as Anode Towards Enhanced Sodium-Ion Batteries. <i>Batteries and Supercaps</i> , 2020, 3, 236-253.	2.4	16
117	Revealing the Critical Factor in Metal Sulfide Anode Performance in Sodium-Ion Batteries: An Investigation of Polysulfide Shuttling Issues. <i>Small Methods</i> , 2020, 4, 1900673.	4.6	47
118	Enhancing the interfacial stability of P2-type cathodes by polydopamine-derived carbon coating for achieving performance improvement. <i>Carbon</i> , 2020, 157, 693-702.	5.4	41
119	Towards stable Na-rich layered transition metal oxides for high energy density sodium-ion batteries. <i>Energy Storage Materials</i> , 2020, 25, 62-69.	9.5	27
120	Bimetal Synergistic Effect Induced High Reversibility of Conversion-Type Ni@NiCo <sub>2</sub> S <sub>4</sub> as a Free-Standing Anode for Sodium Ion Batteries. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1435-1442.	2.1	54
121	Flexible 3D carbon cloth as a high-performing electrode for energy storage and conversion. <i>Nanoscale</i> , 2020, 12, 5261-5285.	2.8	81
122	Highly dispersed oleic-induced nanometric C@Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> composites for efficient Na-ion batteries. <i>Electrochimica Acta</i> , 2020, 332, 135502.	2.6	29
123	Flexible sodium-ion based energy storage devices: Recent progress and challenges. <i>Energy Storage Materials</i> , 2020, 26, 83-104.	9.5	100
124	Improving the cyclic stability of MoO <sub>2</sub> anode for sodium ion batteries via film-forming electrolyte additive. <i>Journal of Alloys and Compounds</i> , 2020, 822, 153530.	2.8	12
125	Hierarchical architecture of polyaniline nanoneedle arrays on electrochemically exfoliated graphene for supercapacitors and sodium batteries cathode. <i>Materials and Design</i> , 2020, 188, 108440.	3.3	36
126	Optimizing the Void Size of Yolk-Shell Bi@Void@C Nanospheres for High-Power-Density Sodium-Ion Batteries. <i>Nano Letters</i> , 2020, 20, 758-767.	4.5	129



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652	MoSe <sub>2</sub> Complex with N and B Dual-Doped 3D Carbon Nanofibers for Sodium Batteries. <i>Metals</i> , 2023, 13, 518.	1.0	0
653	Sodium Insertion into Fe[Fe(CN) <sub>6</sub> ] Framework Prepared by Microwave-Assisted Co-Precipitation. <i>ChemElectroChem</i> , 2023, 10, .	1.7	5
654	In Situ Transmission Electron Microscopy for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2023, 35, .	11.1	8
655	A NiCoSe <sub>x</sub> /CG heterostructure with strong interfacial interaction showing rapid diffusion kinetics as a flexible anode for high-rate sodium storage. <i>Dalton Transactions</i> , 2023, 52, 5192-5201.	1.6	5
656	Amorphous Germanium Nanomaterials as High-Performance Anode for Lithium and Sodium-Ion Batteries. <i>Advanced Materials Technologies</i> , 2023, 8, .	3.0	6
657	Microstructure regulation of resin-based hard carbons via esterification cross-linking for high-performance sodium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 2404-2413.	3.0	3
658	Predicting the Na <sup>+</sup> ion transport properties of NaSICON materials using density functional theory and Kinetic Monte Carlo. <i>Journal of Materials Chemistry A</i> , 2023, 11, 9160-9177.	5.2	2
659	Hierarchical cathode constructed by carbon coated Na <sub>3.5</sub> VMn <sub>0.5</sub> Cr <sub>0.5</sub> (PO <sub>4</sub> ) <sub>3</sub> nanoparticles on rGO for high-capacity and long-cycle life sodium storage. <i>Materials Advances</i> , 2023, 4, 1998-2007.	2.6	1
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663	Layered double hydroxides as electrode materials for flexible energy storage devices. <i>Journal of Semiconductors</i> , 2023, 44, 041601.	2.0	26
664	Impact of Ti and Zn Dual-Substitution in P2 Type Na <sub>2/3</sub> Ni <sub>1/3</sub> Mn <sub>2/3</sub> O <sub>2</sub> on Ni-Mn and Na-Vacancy Ordering and Electrochemical Properties. <i>Advanced Materials</i> , 2023, 35, .	11.1	16
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667	Sodium systems – Low temperature (LIB equivalent)   Sodium Systems   Low Temperature: Overview. , 2023, , .		2
674	Synthesis and catalytic applications of metal boride ceramics. , 2023, , 57-105.		0
755	Fast Na-diffusive tin alloy for all-solid-state Na-based batteries. <i>Journal of Materials Chemistry A</i> , 2023, 11, 25859-25864.	5.2	0
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796	Recent advances in all-solid-state batteries for commercialization. Materials Chemistry Frontiers, 2024, 8, 1861-1887.	3.2	0