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Na-ion batteries, recent advances and present challenges to become low cost energy storage systems

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Energy and Environmental Science, 2012, 5, 5884.

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#	Paper	IF	Citations
2300	Sodium ionic conduction in complex hydrides with [BH <sub>4</sub> ] <sup>-</sup> and [NH <sub>2</sub> ] <sup>-</sup> anions. <b>2012</b> , 100, 203904		54
2299	A comparison of destabilization mechanisms of the layered Na(x)MO <sub>2</sub> and Li(x)MO <sub>2</sub> compounds upon alkali de-intercalation. <b>2012</b> , 14, 15571-8		134
2298	Layered Na(0.71)CoO(2): a powerful candidate for viable and high performance Na-batteries. <b>2012</b> , 14, 5945-52		112
2297	Fe(CN) <sub>6</sub> <sup>3-</sup> -doped polypyrrole: a high-capacity and high-rate cathode material for sodium-ion batteries. <b>2012</b> , 2, 5495		56
2296	High rate performance of a Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C cathode prepared by pyro-synthesis for sodium-ion batteries. <b>2012</b> , 22, 20857		162
2295	High voltage cathode materials for Na-ion batteries of general formula Na <sub>3</sub> V <sub>2</sub> O <sub>2x</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3-2x</sub> . <b>2012</b> , 22, 22301		142
2294	In search of an optimized electrolyte for Na-ion batteries. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 8572	35.4	587
2293	An aniline-nitroaniline copolymer as a high capacity cathode for Na-ion batteries. <b>2012</b> , 21, 36-38		94
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2287	Microstructural evolution of tin nanoparticles during in situ sodium insertion and extraction. <b>2012</b> , 12, 5897-902		434
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2283	Electrical energy storage for transportation—Approaching the limits of, and going beyond, lithium-ion batteries. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 7854	35.4	1763
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2279	Low-potential sodium insertion in a NASICON-type structure through the Ti(III)/Ti(II) redox couple. <b>2013</b> , 135, 3897-903		185
2278	New materials based on a layered sodium titanate for dual electrochemical Na and Li intercalation systems. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 2538	35.4	163
2277	Towards sustainable and versatile energy storage devices: an overview of organic electrode materials. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 2280	35.4	982
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2272	Room-temperature stationary sodium-ion batteries for large-scale electric energy storage. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 2338	35.4	2419
2271	Designing high-capacity cathode materials for sodium-ion batteries. <b>2013</b> , 34, 215-218		44
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2258	One-dimensional carbon-sulfur composite fibers for Na-S rechargeable batteries operating at room temperature. <b>2013</b> , 13, 4532-8	334
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2250	A low cost, all-organic Na-ion battery based on polymeric cathode and anode. <b>2013</b> , 3, 2671	197
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2248	Thermodynamics and cell chemistry of room temperature sodium/sulfur cells with liquid and liquid/solid electrolyte. <b>2013</b> , 243, 758-765	142

2247	Towards high energy density sodium ion batteries through electrolyte optimization. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 2361	35.4	334
2246	Applications of Hydrothermal Carbon in Modern Nanotechnology. <b>2013</b> , 213-294		3
2245	Graphene-supported Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as a high rate cathode material for sodium-ion batteries. <b>2013</b> , 1, 11350		227
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2243	AlSb thin films as negative electrodes for Li-ion and Na-ion batteries. <b>2013</b> , 243, 699-705		82
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2241	A Comparative Computational Study of Structures, Diffusion, and Dopant Interactions between Li and Na Insertion into Si. <b>2013</b> , 6, 027301		71
2240	Exploration of NaVOPO <sub>4</sub> as a cathode for a Na-ion battery. <b>2013</b> , 49, 5280-2		70
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2225	Transition metal oxide thin films with improved reversibility as negative electrodes for sodium-ion batteries. <b>2013</b> , 27, 152-155	38
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2206	High capacity and rate capability of amorphous phosphorus for sodium ion batteries. <b>2013</b> , 52, 4633-6	535
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2166	SnS <sub>2</sub> nanoplatelet@graphene nanocomposites as high-capacity anode materials for sodium-ion batteries. <b>2014,</b> 9, 1611-7	157
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2157	Variation of local magnetic environments in olivine-type compounds: Na <sub>0.7</sub> FePO <sub>4</sub> and FePO <sub>4</sub> . <b>2014</b> , 90,	6
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2155	Novel copper redox-based cathode materials for room-temperature sodium-ion batteries. <b>2014</b> , 23, 118202	74
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2152	Engraving copper foil to give large-scale binder-free porous CuO arrays for a high-performance sodium-ion battery anode. <b>2014</b> , 26, 2273-9, 2284	395
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2149	MOF-derived microporous carbon as a better choice for Na-ion batteries than mesoporous CMK-3. <b>2014</b> , 4, 64692-64697	48
2148	A Comparative Computational Study of Li, Na, and Mg Insertion in Sn. <b>2014</b> , 1678, 1	7
2147	Sodium-conducting ionic liquid-based electrolytes. <b>2014</b> , 43, 1-4	44
2146	High reversible sodium insertion into iron substituted Na <sub>1+x</sub> Ti <sub>2-x</sub> Fe <sub>x</sub> (PO <sub>4</sub> ) <sub>3</sub> . <b>2014</b> , 252, 208-213	51
2145	Layered P2-Na <sub>0.66</sub> Fe <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> Cathode Material for Rechargeable Sodium-Ion Batteries. <b>2014</b> , 1, 371-374	50
2144	Atomic Structure and Kinetics of NASICON Na <sub>x</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Cathode for Sodium-Ion Batteries. <b>2014</b> , 24, 4265-4272	245
2143	Application and future challenges of functional nanocarbon hybrids. <b>2014</b> , 26, 2295-318	261
2142	Nafion membranes as electrolyte and separator for sodium-ion battery. <b>2014</b> , 39, 16110-16115	27
2141	A Sandwich-Like Hierarchically Porous Carbon/Graphene Composite as a High-Performance Anode Material for Sodium-Ion Batteries. <b>2014</b> , 4, 1301584	341
2140	Tailored Aromatic Carbonyl Derivative Polyimides for High-Power and Long-Cycle Sodium-Organic Batteries. <b>2014</b> , 4, 1301651	267

2139	Single-layered ultrasmall nanoplates of MoS <sub>2</sub> embedded in carbon nanofibers with excellent electrochemical performance for lithium and sodium storage. <b>2014</b> , 53, 2152-6	777
2138	Defective graphene as a high-capacity anode material for Na- and Ca-ion batteries. <b>2014</b> , 6, 1788-95	301
2137	Porous CuO nanowires as the anode of rechargeable Na-ion batteries. <b>2014</b> , 7, 199-208	204
2136	Titanate Anodes for Sodium Ion Batteries. <b>2014</b> , 24, 5-14	64
2135	Anatase TiO <sub>2</sub> nanoparticles for high power sodium-ion anodes. <b>2014</b> , 251, 379-385	257
2134	Electrochemical behavior of [Mn(Bpy)}(VO <sub>3</sub> ) <sub>2</sub> ](H <sub>2</sub> O) <sub>1.24</sub> and [Mn(Bpy) <sub>0.5</sub> }(VO <sub>3</sub> ) <sub>2</sub> ](H <sub>2</sub> O) <sub>0.62</sub> inorganic-organic Brannerites in lithium and sodium cells. <b>2014</b> , 212, 92-98	26
2133	Anatase-TiO <sub>2</sub> /CNTs nanocomposite as a superior high-rate anode material for lithium-ion batteries. <b>2014</b> , 603, 144-148	18
2132	Ionic Conduction in Cubic Na <sub>3</sub> TiP <sub>3</sub> O <sub>9</sub> N, a Secondary Na-Ion Battery Cathode with Extremely Low Volume Change. <b>2014</b> , 26, 3295-3305	60
2131	Sodium Distribution and Reaction Mechanisms of a Na <sub>3</sub> V <sub>2</sub> O <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F Electrode during Use in a Sodium-Ion Battery. <b>2014</b> , 26, 3391-3402	91
2130	Layered Na <sub>x</sub> MnO <sub>z</sub> in sodium ion batteries-influence of morphology on cycle performance. <b>2014</b> , 6, 8059-65	72
2129	A Family of High-Performance Cathode Materials for Na-ion Batteries, Na <sub>3</sub> (VO <sub>1-x</sub> PO <sub>4</sub> ) <sub>2</sub> F <sub>1+2x</sub> (0 ≤ x ≤ 1): Combined First-Principles and Experimental Study. <b>2014</b> , 24, 4603-4614	206
2128	Na <sup>+</sup> vacancy and Charge Ordering in Na <sub>2</sub> /3FePO <sub>4</sub> . <b>2014</b> , 26, 3289-3294	37
2127	In Silico Based Rank-Order Determination and Experiments on Nonaqueous Electrolytes for Sodium Ion Battery Applications. <b>2014</b> , 118, 13406-13416	54
2126	Anodes for sodium ion batteries based on tin-germanium-antimony alloys. <b>2014</b> , 8, 4415-29	273
2125	Hollandite-type TiO <sub>2</sub> : a new negative electrode material for sodium-ion batteries. <b>2014</b> , 2, 1825-1833	79
2124	Carbon-coated LiTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> : an ideal insertion host for lithium-ion and sodium-ion batteries. <b>2014</b> , 9, 878-82	37
2123	Fast synthesis of carbon microspheres via a microwave-assisted reaction for sodium ion batteries. <b>2014</b> , 2, 1263-1267	120
2122	Aqueous rechargeable alkali-ion batteries with polyimide anode. <b>2014</b> , 249, 367-372	141

2121	Structural enhancement of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C composite cathode materials by pillar ion doping for high power and long cycle life sodium-ion batteries. <b>2014</b> , 2, 19623-19632	123
2120	Hierarchical orthorhombic V <sub>2</sub> O <sub>5</sub> hollow nanospheres as high performance cathode materials for sodium-ion batteries. <b>2014</b> , 2, 11185	132
2119	Single-Layered Ultrasmall Nanoplates of MoS <sub>2</sub> Embedded in Carbon Nanofibers with Excellent Electrochemical Performance for Lithium and Sodium Storage. <b>2014</b> , 126, 2184-2188	138
2118	Chemically bonded phosphorus/graphene hybrid as a high performance anode for sodium-ion batteries. <b>2014</b> , 14, 6329-35	380
2117	SnSb@carbon nanocable anchored on graphene sheets for sodium ion batteries. <b>2014</b> , 7, 1466-1476	98
2116	Mesoporous NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /CMK-3 nanohybrid as anode for long-life Na-ion batteries. <b>2014</b> , 2, 20659-20666	76
2115	Research development on sodium-ion batteries. <b>2014</b> , 114, 11636-82	3941
2114	Electrolytes and interphases in Li-ion batteries and beyond. <b>2014</b> , 114, 11503-618	2847
2113	Sodium-oxygen batteries: a new class of metal-air batteries. <b>2014</b> , 2, 12623	143
2112	Ab initio study of graphene-like monolayer molybdenum disulfide as a promising anode material for rechargeable sodium ion batteries. <b>2014</b> , 4, 43183-43188	62
2111	In situ generated Fe <sub>3</sub> in homogeneous iron matrix toward high-performance cathode material for sodium-ion batteries. <b>2014</b> , 10, 295-304	90
2110	Na[Ni <sub>0.4</sub> Fe <sub>0.2</sub> Mn <sub>0.4</sub> Ti <sub>x</sub> ]O <sub>2</sub> : a cathode of high capacity and superior cyclability for Na-ion batteries. <b>2014</b> , 2, 17268-17271	73
2109	Controlling Na diffusion by rational design of Si-based layered architectures. <b>2014</b> , 16, 4260-7	62
2108	WS <sub>2</sub> @graphene nanocomposites as anode materials for Na-ion batteries with enhanced electrochemical performances. <b>2014</b> , 50, 4192-5	208
2107	N-doped porous hollow carbon nanofibers fabricated using electrospun polymer templates and their sodium storage properties. <b>2014</b> , 4, 16920-16927	47
2106	Retracted Article: Black mesoporous anatase TiO <sub>2</sub> nanoleaves: a high capacity and high rate anode for aqueous Al-ion batteries. <b>2014</b> , 2, 1721-1731	164
2105	Fe <sub>4</sub> [Fe(CN) <sub>6</sub> ] <sub>3</sub> : a cathode material for sodium-ion batteries. <b>2014</b> , 4, 42991-42995	21
2104	Defect induced sodium disorder and ionic conduction mechanism in Na <sub>1.82</sub> Mg <sub>1.09</sub> P <sub>2</sub> O <sub>7</sub> . <b>2014</b> , 2, 18353-18359	6

2103	Electrospun carbon nanofibers as anode materials for sodium ion batteries with excellent cycle performance. <b>2014</b> , 2, 4117		238
2102	Three-dimensional lamination-like P2-Na <sub>2</sub> /3Ni <sub>1</sub> /3Mn <sub>2</sub> /3O <sub>2</sub> assembled with two-dimensional ultrathin nanosheets as the cathode material of an aqueous capacitor battery. <b>2014</b> , 148, 195-202		17
2101	Uniform and continuous carbon coated sodium vanadium phosphate cathode materials for sodium-ion battery. <b>2014</b> , 272, 880-885		63
2100	Tin phosphide as a promising anode material for Na-ion batteries. <b>2014</b> , 26, 4139-44		316
2099	Effects of Ni doping on the initial electrochemical performance of vanadium oxide nanotubes for Na-ion batteries. <b>2014</b> , 6, 11692-7		27
2098	High-quality Prussian blue crystals as superior cathode materials for room-temperature sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 1643-1647	35.4	691
2097	The mechanism of NaFePO <sub>4</sub> (de)sodiation determined by in situ X-ray diffraction. <b>2014</b> , 16, 8837-42		78
2096	Room-Temperature Sodium Sulfur Batteries with Liquid-Phase Sodium Polysulfide Catholytes and Binder-Free Multiwall Carbon Nanotube Fabric Electrodes. <b>2014</b> , 118, 22952-22959		109
2095	Construction of one-dimensional nanostructures on graphene for efficient energy conversion and storage. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 2559	35.4	155
2094	Lithium and sodium battery cathode materials: computational insights into voltage, diffusion and nanostructural properties. <b>2014</b> , 43, 185-204		765
2093	Water sensitivity of layered P2/P3-Na <sub>x</sub> Ni <sub>0.22</sub> Co <sub>0.11</sub> Mn <sub>0.66</sub> O <sub>2</sub> cathode material. <b>2014</b> , 2, 13415-13421		133
2092	The local atomic structure and chemical bonding in sodium tin phases. <b>2014</b> , 2, 18959-18973		25
2091	Electrochemical performance of Na/NaFePO <sub>4</sub> sodium-ion batteries with ionic liquid electrolytes. <b>2014</b> , 2, 5655		121
2090	NaMnO <sub>2</sub> : a high-performance cathode for sodium-ion batteries. <b>2014</b> , 136, 17243-8		277
2089	A maize-like FePO <sub>4</sub> @MCNT nanowire composite for sodium-ion batteries via a microemulsion technique. <b>2014</b> , 2, 7221-7228		46
2088	Sb <sub>2</sub> O <sub>3</sub> nanofibers with long cycle life as an anode material for high-performance sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 323-328	35.4	536
2087	Nanocrystalline tin disulfide coating of reduced graphene oxide produced by the peroxostannate deposition route for sodium ion battery anodes. <b>2014</b> , 2, 8431		104
2086	Vacuum-annealing-tailored robust and flexible nanopore-structured Fe <sub>2</sub> O <sub>3</sub> film anodes for high capacity and long life Na-ion batteries. <b>2014</b> , 4, 36815		30

2085	Nasicon material NaZr <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> : a novel storage material for sodium-ion batteries. <b>2014</b> , 2, 1341-1345	33
2084	Electrochemical properties of ultrafine Sb nanocrystals embedded in carbon microspheres for use as Na-ion battery anode materials. <b>2014</b> , 50, 12322-4	116
2083	Nitrogen-doped open pore channeled graphene facilitating electrochemical performance of TiO <sub>2</sub> nanoparticles as an anode material for sodium ion batteries. <b>2014</b> , 2, 5182-5186	116
2082	Electrochemical investigation of sodium reactivity with nanostructured Co <sub>3</sub> O <sub>4</sub> for sodium-ion batteries. <b>2014</b> , 50, 5057-60	133
2081	Synthesis and characterization of pure P2- and O3-Na <sub>2</sub> /3Fe <sub>2</sub> /3Mn <sub>1</sub> /3O <sub>2</sub> as cathode materials for Na ion batteries. <b>2014</b> , 2, 18523-18530	84
2080	High-performance FeSb-TiC-C nanocomposite anodes for sodium-ion batteries. <b>2014</b> , 16, 12884-9	48
2079	A flexible and binder-free reduced graphene oxide/Na <sub>2</sub> /3[Ni <sub>1</sub> /3Mn <sub>2</sub> /3]O <sub>2</sub> composite electrode for high-performance sodium ion batteries. <b>2014</b> , 2, 6723-6726	46
2078	Electrospun Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C nanofibers as stable cathode materials for sodium-ion batteries. <b>2014</b> , 6, 5081-6	235
2077	SnO <sub>2</sub> decorated graphene nanocomposite anode materials prepared via an up-scalable wet-mechanochemical process for sodium ion batteries. <b>2014</b> , 4, 50148-50152	42
2076	Particle shapes and surface structures of olivine NaFePO <sub>4</sub> comparison to LiFePO <sub>4</sub> <b>2014</b> , 16, 21788-94	52
2075	A tin(II) sulfide-carbon anode material based on combined conversion and alloying reactions for sodium-ion batteries. <b>2014</b> , 2, 16424-16428	118
2074	Annealed NaV <sub>3</sub> O <sub>8</sub> nanowires with good cycling stability as a novel cathode for Na-ion batteries. <b>2014</b> , 2, 3563	92
2073	A rechargeable Na <sub>2</sub> O <sub>2</sub> /O <sub>2</sub> battery enabled by stable nanoparticle hybrid electrolytes. <b>2014</b> , 2, 17723-17729	79
2072	Atom-Level Understanding of the Sodiation Process in Silicon Anode Material. <b>2014</b> , 5, 1283-8	102
2071	Carbon coated Na <sub>7</sub> Fe <sub>7</sub> (PO <sub>4</sub> ) <sub>6</sub> F <sub>3</sub> : A novel intercalation cathode for sodium-ion batteries. <b>2014</b> , 271, 497-503	16
2070	Theoretical and Experimental Study of Vanadium-Based Fluorophosphate Cathodes for Rechargeable Batteries. <b>2014</b> , 26, 3089-3097	69
2069	Energetic aqueous rechargeable sodium-ion battery based on Na <sub>2</sub> CuFe(CN) <sub>6</sub> -NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> intercalation chemistry. <b>2014</b> , 7, 407-11	182
2068	Atomic-layer-deposition oxide nanogluue for sodium ion batteries. <b>2014</b> , 14, 139-47	173

2067	The Influences of Excess Sodium on Low-Temperature NaSICON Synthesis. <b>2014</b> , 97, 3744-3748	27
2066	Synthesis of NASICON-type structured NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> -graphene nanocomposite as an anode for aqueous rechargeable Na-ion batteries. <b>2014</b> , 6, 6328-34	135
2065	Better than crystalline: amorphous vanadium oxide for sodium-ion batteries. <b>2014</b> , 2, 18208-18214	209
2064	Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @C core-shell nanocomposites for rechargeable sodium-ion batteries. <b>2014</b> , 2, 8668-8675	287
2063	Highly Reversible Room-Temperature Sulfur/Long-Chain Sodium Polysulfide Batteries. <b>2014</b> , 5, 1943-7	114
2062	An Aqueous Sodium Ion Hybrid Battery Incorporating an Organic Compound and a Prussian Blue Derivative. <b>2014</b> , 4, 1400133	93
2061	Liquid-metal electrode to enable ultra-low temperature sodium-beta alumina batteries for renewable energy storage. <b>2014</b> , 5, 4578	110
2060	An Electrochemical Study of Sb/Acetylene Black Composite as Anode for Sodium-Ion Batteries. <b>2014</b> , 146, 328-334	73
2059	High-voltage NASICON Sodium Ion Batteries: Merits of Fluorine Insertion. <b>2014</b> , 146, 142-150	54
2058	Three-dimensional spider-web architecture assembled from Na <sub>2</sub> CO <sub>3</sub> nanotubes as a high performance anode for a sodium-ion battery. <b>2014</b> , 50, 14029-32	86
2057	Local Structure and Dynamics in the Na Ion Battery Positive Electrode Material Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> . <b>2014</b> , 26, 2513-2521	121
2056	Nanowire electrodes for electrochemical energy storage devices. <b>2014</b> , 114, 11828-62	552
2055	Using Intimate Carbon to Enhance the Performance of NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Anode Materials: Carbon Nanotubes vs Graphite. <b>2014</b> , 161, A561-A567	65
2054	Na <sub>0.67</sub> Mn <sub>1-x</sub> Mg <sub>x</sub> O <sub>2</sub> (0 ≤ x ≤ 0.2): a high capacity cathode for sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 1387-1391	35-4 325
2053	Reduced graphene oxide-induced recrystallization of NiS nanorods to nanosheets and the improved Na-storage properties. <b>2014</b> , 53, 3511-8	77
2052	Indanthrone derived disordered graphitic carbon as promising insertion anode for sodium ion battery with long cycle life. <b>2014</b> , 146, 218-223	19
2051	Structure optimization of Prussian blue analogue cathode materials for advanced sodium ion batteries. <b>2014</b> , 50, 13377-80	161
2050	First exploration of Na-ion migration pathways in the NASICON structure Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> . <b>2014</b> , 2, 5358	172

2049	Na[FSA]-[C3C1pyrr][FSA] ionic liquids as electrolytes for sodium secondary batteries: Effects of Na ion concentration and operation temperature. <b>2014</b> , 269, 124-128	92
2048	Improved lithium-sulfur batteries with a conductive coating on the separator to prevent the accumulation of inactive S-related species at the cathode/separator interface. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 3381-3390	35.4 425
2047	Sodiation via heterogeneous disproportionation in FeF <sub>2</sub> electrodes for sodium-ion batteries. <b>2014</b> , 8, 7251-9	74
2046	Electrochemical Properties of Electrodeposited Sn Anodes for Na-Ion Batteries. <b>2014</b> , 118, 20086-20093	49
2045	Investigation of the Electrode/Electrolyte Interface of Fe <sub>2</sub> O <sub>3</sub> Composite Electrodes: Li vs Na Batteries. <b>2014</b> , 26, 5028-5041	77
2044	Electrochemical stability of non-aqueous electrolytes for sodium-ion batteries and their compatibility with Na <sub>0.7</sub> CoO <sub>2</sub> . <b>2014</b> , 16, 1987-98	175
2043	Role of Ligand-to-Metal Charge Transfer in O <sub>3</sub> -Type NaFeO <sub>2</sub> /NaNiO <sub>2</sub> Solid Solution for Enhanced Electrochemical Properties. <b>2014</b> , 118, 2970-2976	110
2042	Na <sub>(2+x)</sub> Ti <sub>6</sub> O <sub>13</sub> as potential negative electrode material for Na-ion batteries. <b>2014</b> , 53, 8250-6	48
2041	Probing the Mechanism of Sodium Ion Insertion into Copper Antimony Cu <sub>2</sub> Sb Anodes. <b>2014</b> , 118, 7856-7864	61
2040	One-pot synthesis of bicrystalline titanium dioxide spheres with a core-shell structure as anode materials for lithium and sodium ion batteries. <b>2014</b> , 269, 37-45	83
2039	Boron-doped graphene as a promising anode for Na-ion batteries. <b>2014</b> , 16, 10419-24	198
2038	Exploiting Na <sub>2</sub> MnPO <sub>4</sub> F as a high-capacity and well-reversible cathode material for Na-ion batteries. <b>2014</b> , 4, 40985-40993	47
2037	Prediction and characterization of MXene nanosheet anodes for non-lithium-ion batteries. <b>2014</b> , 8, 9606-15	644
2036	Sodium vanadium oxide: a new material for high-performance symmetric sodium-ion batteries. <b>2014</b> , 15, 2121-8	43
2035	Fast Na-Ion Conduction in a Chalcogenide Glass/Ceramic in the Ternary System Na <sub>2</sub> Se <sub>3</sub> /Ga <sub>2</sub> Se <sub>3</sub> /GeSe <sub>2</sub> . <b>2014</b> , 26, 5695-5699	48
2034	Precisely Engineered Colloidal Nanoparticles and Nanocrystals for Li-Ion and Na-Ion Batteries: Model Systems or Practical Solutions?. <b>2014</b> , 26, 5422-5432	57
2033	Aluminum manganese oxides with mixed crystal structure: high-energy-density cathodes for rechargeable sodium batteries. <b>2014</b> , 7, 1870-5	39
2032	Ultrafine SnO <sub>2</sub> nanoparticle loading onto reduced graphene oxide as anodes for sodium-ion batteries with superior rate and cycling performances. <b>2014</b> , 2, 529-534	272



2031	An SbOx/Reduced Graphene Oxide Composite as a High-Rate Anode Material for Sodium-Ion Batteries. <b>2014</b> , 118, 23527-23534	93
2030	High Performance Na <sub>0.5</sub> [Ni <sub>0.23</sub> Fe <sub>0.13</sub> Mn <sub>0.63</sub> ]O <sub>2</sub> Cathode for Sodium-Ion Batteries. <b>2014</b> , 4, 1400083	182
2029	Carbon-coated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> embedded in porous carbon matrix: an ultrafast Na-storage cathode with the potential of outperforming Li cathodes. <b>2014</b> , 14, 2175-80	392
2028	Aqueous rechargeable Li and Na ion batteries. <b>2014</b> , 114, 11788-827	929
2027	Characterization of a P2-type chelating-agent-assisted Na <sub>2</sub> /3Fe <sub>1</sub> /2Mn <sub>1</sub> /2O <sub>2</sub> cathode material for sodium-ion batteries. <b>2014</b> , 4, 22798-22802	42
2026	Ultralong Cycle Life Sodium-Ion Battery Anodes Using a Graphene-Templated Carbon Hybrid. <b>2014</b> , 118, 22426-22431	63
2025	Layered SnS <sub>2</sub> -reduced graphene oxide composite--a high-capacity, high-rate, and long-cycle life sodium-ion battery anode material. <b>2014</b> , 26, 3854-9	679
2024	Investigation of the intercalation of polyvalent cations (Mg <sup>2+</sup> , Zn <sup>2+</sup> ) into EMnO <sub>2</sub> for rechargeable aqueous battery. <b>2014</b> , 116, 404-412	179
2023	Neutron Diffraction and Electrochemical Studies of Na <sub>0.79</sub> CoO <sub>2</sub> and Na <sub>0.79</sub> Co <sub>0.7</sub> Mn <sub>0.3</sub> O <sub>2</sub> Cathodes for Sodium-Ion Batteries. <b>2014</b> , 161, A961-A967	16
2022	Sodium-metal halide and sodium-air batteries. <b>2014</b> , 15, 1971-82	73
2021	Free-standing and binder-free sodium-ion electrodes with ultralong cycle life and high rate performance based on porous carbon nanofibers. <b>2014</b> , 6, 693-8	225
2020	Assembly of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanoparticles confined in a one-dimensional carbon sheath for enhanced sodium-ion cathode properties. <b>2014</b> , 20, 12636-40	63
2019	Influence of different salts in poly(vinylidene fluoride-co-trifluoroethylene) electrolyte separator membranes for battery applications. <b>2014</b> , 727, 125-134	9
2018	Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> Revisited: A High-Resolution Diffraction Study. <b>2014</b> , 26, 4238-4247	137
2017	Sodium-cutting: a new top-down approach to cut open nanostructures on nonplanar surfaces on a large scale. <b>2014</b> , 50, 13327-30	9
2016	Small things make a big difference: binder effects on the performance of Li and Na batteries. <b>2014</b> , 16, 20347-59	276
2015	Lignin-based electrospun carbon nanofibrous webs as free-standing and binder-free electrodes for sodium ion batteries. <b>2014</b> , 272, 800-807	207
2014	Copper-doped Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /carbon nanofiber composites as anode for high-performance sodium-ion batteries. <b>2014</b> , 272, 860-865	73

2013	Investigation of the reversible sodiation of Sn foil by ex-situ X-ray diffractometry and Mössbauer effect spectroscopy. <b>2014</b> , 617, 271-276	24
2012	Synthesis-microstructure-performance relationship of layered transition metal oxides as cathode for rechargeable sodium batteries prepared by high-temperature calcination. <b>2014</b> , 6, 17176-83	18
2011	Synergistic Na-storage reactions in Sn4P3 as a high-capacity, cycle-stable anode of Na-ion batteries. <b>2014</b> , 14, 1865-9	353
2010	Sodium ion diffusion in Al2O3: a distinct perspective compared with lithium ion diffusion. <b>2014</b> , 14, 6559-63	77
2009	Highly Disordered Carbon as a Superior Anode Material for Room-Temperature Sodium-Ion Batteries. <b>2014</b> , 1, 83-86	150
2008	Embedding tin nanoparticles in micron-sized disordered carbon for lithium- and sodium-ion anodes. <b>2014</b> , 128, 163-171	74
2007	Activation of electrochemical lithium and sodium storage of nanocrystalline antimony by anchoring on graphene via a facile in situ solvothermal route. <b>2014</b> , 247, 204-212	63
2006	Unexpected performance of layered sodium-ion cathode material in ionic liquid-based electrolyte. <b>2014</b> , 247, 377-383	113
2005	Role of intermediate phase for stable cycling of Na7V4(P2O7)4PO4 in sodium ion battery. <b>2014</b> , 111, 599-604	120
2004	A comparative computational study of the diffusion of Na and Li atoms in Sn(111) nanosheets. <b>2014</b> , 268, 273-276	5
2003	Nanowire K0.19MnO2 from hydrothermal method as cathode material for aqueous supercapacitors of high energy density. <b>2014</b> , 130, 693-698	24
2002	Predicting capacity of hard carbon anodes in sodium-ion batteries using porosity measurements. <b>2014</b> , 76, 165-174	233
2001	Graphene oxide wrapped croconic acid disodium salt for sodium ion battery electrodes. <b>2014</b> , 250, 372-378	109
2000	Electrochemical synthesis of a three-dimensional porous Sb/Cu 2 Sb anode for Na-ion batteries. <b>2014</b> , 247, 423-427	96
1999	Structural evolution and electrochemistry of monoclinic NaNiO2 upon the first cycling process. <b>2014</b> , 258, 266-271	105
1998	Transition metal oxides for high performance sodium ion battery anodes. <b>2014</b> , 5, 60-66	304
1997	Amorphous sodium vanadate Na1.5+yVO3, a promising matrix for reversible sodium intercalation. <b>2014</b> , 40, 100-102	39
1996	Comparative computational study of the energetics of Li, Na, and Mg storage in amorphous and crystalline silicon. <b>2014</b> , 94, 214-217	56

1995	Chloride ion battery: A new member in the rechargeable battery family. <b>2014</b> , 245, 706-711	108
1994	Fast sodiation/desodiation reactions of electrochemically delithiated olivine LiFePO <sub>4</sub> in aerated aqueous NaNO <sub>3</sub> solution. <b>2014</b> , 247, 184-188	26
1993	Graphene-Supported NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as a High Rate Anode Material for Aqueous Sodium Ion Batteries. <b>2014</b> , 161, A1181-A1187	88
1992	All organic sodium-ion batteries with Na <sub>2</sub> CO <sub>3</sub> . <b>2014</b> , 53, 5892-6	313
1991	Effect of carbon matrix dimensions on the electrochemical properties of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanograins for high-performance symmetric sodium-ion batteries. <b>2014</b> , 26, 3545-53	402
1990	An Organic Pigment as a High-Performance Cathode for Sodium-Ion Batteries. <b>2014</b> , 4, 1400554	280
1989	Sodium extraction from sodium iron phosphate with a Maricite structure. <b>2014</b> , 263, 1-8	38
1988	Structuring materials for lithium-ion batteries: advancements in nanomaterial structure, composition, and defined assembly on cell performance. <b>2014</b> , 2, 9433	118
1987	Sodium-ion battery cathodes Na <sub>2</sub> FeP <sub>2</sub> O <sub>7</sub> and Na <sub>2</sub> MnP <sub>2</sub> O <sub>7</sub> : diffusion behaviour for high rate performance. <b>2014</b> , 2, 11807-11812	74
1986	Electrochemical properties of a new nanocrystalline NaMn <sub>2</sub> O <sub>4</sub> cathode for rechargeable sodium ion batteries. <b>2014</b> , 188, 1-7	16
1985	Electrolytes for lithium and lithium ion batteries: From synthesis of novel lithium borates and ionic liquids to development of novel measurement methods. <b>2014</b> , 42, 39-39	55
1984	Reinvestigation of the electrochemical lithium intercalation in 2H- and 3R-NbS <sub>2</sub> . <b>2014</b> , 245, 27-32	35
1983	In situ neutron powder diffraction using custom-made lithium-ion batteries. <b>2014</b> , e52284	4
1982	Chemical Sodiation of V <sub>2</sub> O <sub>5</sub> by Na <sub>2</sub> S. <b>2014</b> , 640, 3197-3202	5
1981	All Organic Sodium-Ion Batteries with Na <sub>4</sub> C <sub>8</sub> H <sub>2</sub> O <sub>6</sub> . <b>2014</b> , 126, 6002-6006	114
1980	Reserving Interior Void Space for Volume Change Accommodation: An Example of Cable-Like MWNTs@SnO@C Composite for Superior Lithium and Sodium Storage. <b>2015</b> , 2, 1500097	63
1979	Sodium Sulfur Batteries. <b>2015</b> , 1-18	
1978	Li-ion batteries: basics, progress, and challenges. <b>2015</b> , 3, 385-418	441

1977	Secondary batteries with multivalent ions for energy storage. <b>2015</b> , 5, 14120	99
1976	Comparison of alpha and beta tin for lithium, sodium, and magnesium storage: An ab initio study including phonon contributions. <b>2015</b> , 143, 204701	15
1975	Charge-discharge Performance of an Ionic Liquid-based Sodium Secondary Battery in a Wide Temperature Range. <b>2015</b> , 83, 91-94	21
1974	A room-temperature sodium rechargeable battery using an SO <sub>2</sub> -based nonflammable inorganic liquid catholyte. <b>2015</b> , 5, 12827	21
1973	Magnetic and microstructural properties of LiCrO <sub>2</sub> .Cr <sub>2</sub> O <sub>3</sub> system by doping of the boron ions. <b>2015</b> , 26, 9178-9184	2
1972	Highly stable Na <sub>2/3</sub> (Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> )O <sub>2</sub> cathode modified by atomic layer deposition for sodium-ion batteries. <b>2015</b> , 8, 2537-43	80
1971	Tailoring MoO <sub>2</sub> /Graphene Oxide Nanostructures for Stable, High-Density Sodium-Ion Battery Anodes. <b>2015</b> , 3, 1108-1114	50
1970	Study of the Most Relevant Aspects Related to Hard Carbons as Anode Materials for Na-ion Batteries, Compared with Li-ion Systems. <b>2015</b> , 55, 1260-1274	28
1969	Ultrafine Amorphous SnO <sub>x</sub> Embedded in Carbon Nanofiber/Carbon Nanotube Composites for Li-Ion and Na-Ion Batteries. <b>2015</b> , 25, 5222-5228	89
1968	High-Performance P2-Type Na <sub>2/3</sub> (Mn <sub>1/2</sub> Fe <sub>1/4</sub> Co <sub>1/4</sub> )O <sub>2</sub> Cathode Material with Superior Rate Capability for Na-Ion Batteries. <b>2015</b> , 5, 1500944	105
1967	Superionic Conduction of Sodium and Lithium in Anion-Mixed Hydroborates Na <sub>3</sub> BH <sub>4</sub> B <sub>12</sub> H <sub>12</sub> and (Li <sub>0.7</sub> Na <sub>0.3</sub> ) <sub>3</sub> BH <sub>4</sub> B <sub>12</sub> H <sub>12</sub> . <b>2015</b> , 5, 1501016	75
1966	A Superior Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> -Based Nanocomposite Enhanced by Both N-Doped Coating Carbon and Graphene as the Cathode for Sodium-Ion Batteries. <b>2015</b> , 21, 17371-8	145
1965	Na <sub>3</sub> PSe <sub>4</sub> : A Novel Chalcogenide Solid Electrolyte with High Ionic Conductivity. <b>2015</b> , 5, 1501294	156
1964	WS <sub>2</sub> Nanowires as a High-Performance Anode for Sodium-Ion Batteries. <b>2015</b> , 21, 11878-84	135
1963	Recent Advances and Prospects of Cathode Materials for Sodium-Ion Batteries. <b>2015</b> , 27, 5343-64	746
1962	Combined Experimental and Computational Studies of a Na <sub>2</sub> Ni <sub>1-x</sub> Cu <sub>x</sub> Fe(CN) <sub>6</sub> Cathode with Tunable Potential for Aqueous Rechargeable Sodium-Ion Batteries. <b>2015</b> , 21, 15686-91	16
1961	In Situ Carbon-Doped Mo(S <sub>e</sub> <sub>0.85</sub> S <sub>0.15</sub> ) <sub>2</sub> Hierarchical Nanotubes as Stable Anodes for High-Performance Sodium-Ion Batteries. <b>2015</b> , 11, 5667-74	89
1960	Tin Nanodots Encapsulated in Porous Nitrogen-Doped Carbon Nanofibers as a Free-Standing Anode for Advanced Sodium-Ion Batteries. <b>2015</b> , 27, 6702-7	445

1959	Novel $K_3V_2(PO_4)_3/C$ Bundled Nanowires as Superior Sodium-Ion Battery Electrode with Ultrahigh Cycling Stability. <b>2015</b> , 5, 1500716	140
1958	Alkali-Ion Storage Behaviour in Spinel Lithium Titanate Electrodes. <b>2015</b> , 2, 1678-1681	3
1957	The Unique Structural Evolution of the O3-Phase $Na_{2/3}Fe_{2/3}Mn_{1/3}O_2$ during High Rate Charge/Discharge: A Sodium-Centred Perspective. <b>2015</b> , 25, 4994-5005	58
1956	Superior Stable Self-Healing $SnP_3$ Anode for Sodium-Ion Batteries. <b>2015</b> , 5, 1500174	175
1955	Natriumionenbatterien für die elektrochemische Energiespeicherung. <b>2015</b> , 127, 3495-3513	98
1954	Centrifugally Spun $SnO_2$ Microfibers Composed of Interconnected Nanoparticles as the Anode in Sodium-Ion Batteries. <b>2015</b> , 2, 1947-1956	18
1953	In Situ Powder Diffraction Studies of Electrode Materials in Rechargeable Batteries. <b>2015</b> , 8, 2826-53	51
1952	High Performance Full Sodium-Ion Cell Based on a Nanostructured Transition Metal Oxide as Negative Electrode. <b>2015</b> , 21, 14879-85	23
1951	From lithium to sodium: cell chemistry of room temperature sodium-air and sodium-sulfur batteries. <b>2015</b> , 6, 1016-55	307
1950	Dynamics across the structural transitions at elevated temperatures in $Na_{0.7}CoO_2$ . <b>2015</b> , 83, 02008	7
1949	Use of a tin antimony alloy-filled porous carbon nanofiber composite as an anode in sodium-ion batteries. <b>2015</b> , 5, 30793-30800	63
1948	A rechargeable sodium-ion battery using a nanostructured $Sb_2$ anode and P2-type layered $Na_{0.6}Ni_{0.22}Fe_{0.11}Mn_{0.66}O_2$ cathode. <b>2015</b> , 5, 48928-48934	49
1947	Tin and Tin Compounds for Sodium Ion Battery Anodes: Phase Transformations and Performance. <b>2015</b> , 48, 1657-65	379
1946	Highly Ordered Three-Dimensional Ni-TiO <sub>2</sub> Nanoarrays as Sodium Ion Battery Anodes. <b>2015</b> , 27, 4274-4280	124
1945	Electrochemical characterization of $NaFePO_4$ as positive electrode in aqueous sodium-ion batteries. <b>2015</b> , 291, 40-45	83
1944	Highly stable sodium storage in 3-D gradational $Sb_{1-x}Ni_xSb_{1-x}$ heterostructures. <b>2015</b> , 15, 479-489	27
1943	A tetradentate Ni(II) complex cation as a single redox couple for non-aqueous flow batteries. <b>2015</b> , 283, 300-304	33
1942	Advances and challenges of sodium ion batteries as post lithium ion batteries. <b>2015</b> , 5, 53129-53154	218

- 1941 Transition metal oxide-carbon composites as conversion anodes for sodium-ion battery. **2015**, 173, 613-618 69
- 1940 Na<sub>0.44</sub>MnO<sub>2</sub> with very fast sodium diffusion and stable cycling synthesized via polyvinylpyrrolidone-combustion method. **2015**, 285, 161-168 61
- 1939 Reversible transformation from amorphous Na<sub>3</sub>Fe<sub>3</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub> to crystallized NaFe<sub>3</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub> Jarosite-type hydroxysulfate. **2015**, 278, 38-42 18
- 1938 Effect of Iron Substitution in the Electrochemical Performance of Na<sub>3</sub>V<sub>2</sub>(PO<sub>4</sub>)<sub>3</sub> as Cathode for Na-Ion Batteries. **2015**, 162, A3077-A3083 119
- 1937 Solid-State Fabrication of SnS<sub>2</sub>/C Nanospheres for High-Performance Sodium Ion Battery Anode. **2015**, 7, 11476-81 161
- 1936 One-dimensional nanofiber architecture of an anatase TiO<sub>2</sub>/carbon composite with improved sodium storage performance. **2015**, 5, 106252-106257 12
- 1935 FeS@C on Carbon Cloth as Flexible Electrode for Both Lithium and Sodium Storage. **2015**, 7, 27804-9 172
- 1934 Electrochemically Expandable Soft Carbon as Anodes for Na-Ion Batteries. **2015**, 1, 516-22 167
- 1933 Tungsten diselenide (WSe<sub>2</sub>) as a high capacity, low overpotential conversion electrode for sodium ion batteries. **2015**, 5, 101262-101267 49
- 1932 Ultrafast high-volumetric sodium storage of folded-graphene electrodes through surface-induced redox reactions. **2015**, 1, 112-118 69
- 1931 Preparation of M<sub>1/3</sub>Ni<sub>1/3</sub>Mn<sub>2/3</sub>O<sub>2</sub> (M = Mg or Zn) and its performance as the cathode material of aqueous divalent cations battery. **2015**, 182, 971-978 21
- 1930 Carbon-Coated Anatase TiO<sub>2</sub> Nanotubes for Li- and Na-Ion Anodes. **2015**, 162, A3013-A3020 71
- 1929 Ambient temperature sodium-sulfur batteries. **2015**, 11, 2108-14 233
- 1928 A sodium ion intercalation material: a comparative study of amorphous and crystalline FePO<sub>4</sub>. **2015**, 17, 4551-7 20
- 1927 FeO<sub>0.7</sub>F<sub>1.3</sub>/C Nanocomposite as a High-Capacity Cathode Material for Sodium-Ion Batteries. **2015**, 25, 696-703 50
- 1926 Ultrasmall Sn Nanoparticles Embedded in Carbon as High-Performance Anode for Sodium-Ion Batteries. **2015**, 25, 214-220 443
- 1925 Nanocrystalline TiO<sub>2</sub>(B) as Anode Material for Sodium-Ion Batteries. **2015**, 162, A3052-A3058 93
- 1924 Survey of the transport properties of sodium superionic conductor materials for use in sodium batteries. **2015**, 273, 1056-1064 155

1923	High rate capability and superior cycle stability of a flower-like Sb <sub>2</sub> S <sub>3</sub> anode for high-capacity sodium ion batteries. <b>2015</b> , 7, 3309-15	137
1922	Carbonized common filter paper decorated with Sn@C nanospheres as additive-free electrodes for sodium-ion batteries. <b>2015</b> , 87, 70-77	39
1921	Influence of polymorphism on the electrochemical behavior of M Sb negative electrodes in Li/Na batteries. <b>2015</b> , 280, 695-702	17
1920	Na <sub>2</sub> S-carbon nanotube fabric electrodes for room-temperature sodium-sulfur batteries. <b>2015</b> , 21, 4233-7	93
1919	Wet-Chemical Synthesis of Phase-Pure FeOF Nanorods as High-Capacity Cathodes for Sodium-Ion Batteries. <b>2015</b> , 127, 3122-3126	11
1918	N-substituted defective graphene sheets: promising electrode materials for Na-ion batteries. <b>2015</b> , 5, 17042-17048	24
1917	Exploring the possibilities of two-dimensional transition metal carbides as anode materials for sodium batteries. <b>2015</b> , 17, 5000-5	118
1916	Structural evolution during sodium deintercalation/intercalation in Na <sub>2/3</sub> [Fe <sub>1/2</sub> Mn <sub>1/2</sub> ]O <sub>2</sub> . <b>2015</b> , 3, 6954-6961	84
1915	Rapid synthesis of Fe <sub>2</sub> O <sub>3</sub> /rGO nanocomposites by microwave autoclave as superior anodes for sodium-ion batteries. <b>2015</b> , 280, 107-113	101
1914	Atomic-scale structure evolution in a quasi-equilibrated electrochemical process of electrode materials for rechargeable batteries. <b>2015</b> , 27, 2134-49	56
1913	(NH <sub>4</sub> ) <sub>0.75</sub> Fe(H <sub>2</sub> O) <sub>2</sub> [BP <sub>2</sub> O <sub>8</sub> ]·0.25H <sub>2</sub> O, a Fe <sup>3+</sup> /Fe <sup>2+</sup> Mixed Valence Cathode Material for Na Battery Exhibiting a Helical Structure. <b>2015</b> , 119, 4540-4549	10
1912	Removal of interstitial H <sub>2</sub> O in hexacyanometallates for a superior cathode of a sodium-ion battery. <b>2015</b> , 137, 2658-64	458
1911	A computational study of Na behavior on graphene. <b>2015</b> , 333, 235-243	71
1910	V <sub>2</sub> O <sub>5</sub> Aerogel as a Versatile Cathode Material for Lithium and Sodium Batteries. <b>2015</b> , 2, 529-537	62
1909	High-performance sodium ion batteries based on a 3D anode from nitrogen-doped graphene foams. <b>2015</b> , 27, 2042-8	695
1908	Nanostructured Mo-based electrode materials for electrochemical energy storage. <b>2015</b> , 44, 2376-404	498
1907	Hard carbon originated from polyvinyl chloride nanofibers as high-performance anode material for Na-ion battery. <b>2015</b> , 7, 5598-604	183
1906	Electrochemical Performance of Chemically and Solid State-Derived Chevrel Phase Mo <sub>6</sub> T <sub>8</sub> (T = S, Se) Positive Electrodes for Sodium-Ion Batteries. <b>2015</b> , 119, 5771-5782	30

1905	Photovoltaic self-consumption in buildings: A review. <b>2015</b> , 142, 80-94	511
1904	Conjugated microporous polymers with excellent electrochemical performance for lithium and sodium storage. <b>2015</b> , 3, 1896-1901	102
1903	A new, cheap, and productive FeP anode material for sodium-ion batteries. <b>2015</b> , 51, 3682-5	139
1902	Direct growth of FePO <sub>4</sub> /reduced graphene oxide nanosheet composites for the sodium-ion battery. <b>2015</b> , 3, 5501-5508	36
1901	Pyrite FeS <sub>2</sub> for high-rate and long-life rechargeable sodium batteries. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 1309-1316	35.4 545
1900	Wet-chemical synthesis of phase-pure FeOF nanorods as high-capacity cathodes for sodium-ion batteries. <b>2015</b> , 54, 3079-83	29
1899	Sodium ion storage properties of WS <sub>2</sub> decorated three-dimensional reduced graphene oxide microspheres. <b>2015</b> , 7, 3965-70	119
1898	Graphene and Selected Derivatives as Negative Electrodes in Sodium- and Lithium-Ion Batteries. <b>2015</b> , 2, 600-610	36
1897	The emerging chemistry of sodium ion batteries for electrochemical energy storage. <b>2015</b> , 54, 3431-48	1542
1896	Structure of H <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> and its evolution during sodium insertion as anode for Na ion batteries. <b>2015</b> , 17, 6988-94	40
1895	Electrochemical and structural study of layered P2-type Na(2/3)Ni(1/3)Mn(2/3)O <sub>2</sub> as cathode material for sodium-ion battery. <b>2015</b> , 10, 661-6	67
1894	One-pot synthesis of ultra-small magnetite nanoparticles on the surface of reduced graphene oxide nanosheets as anodes for sodium-ion batteries. <b>2015</b> , 3, 4793-4798	50
1893	High Performance 3D Si/Ge Nanorods Array Anode Buffered by TiN/Ti Interlayer for Sodium-Ion Batteries. <b>2015</b> , 25, 1386-1392	70
1892	Olivine LiFePO <sub>4</sub> : the remaining challenges for future energy storage. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 1110-1138	35.4 323
1891	Ultra-small nanoparticles of MgTi <sub>2</sub> O <sub>5</sub> embedded in carbon rods with superior rate performance for sodium ion batteries. <b>2015</b> , 51, 3545-8	21
1890	3D MoS <sub>2</sub> @Graphene Microspheres Consisting of Multiple Nanospheres with Superior Sodium Ion Storage Properties. <b>2015</b> , 25, 1780-1788	436
1889	Reversible Electrochemical Insertion/Extraction of Mg and Li Ions for Orthorhombic Mo <sub>9</sub> Se <sub>11</sub> with Cluster Structure. <b>2015</b> , 162, A198-A202	17
1888	Superior sodium-lithium intercalation and depressed moisture sensitivity of a hierarchical sandwich-type nanostructure for a graphene-sulfate composite: a case study on Na <sub>2</sub> Fe(SO <sub>4</sub> ) <sub>2</sub> ·2H <sub>2</sub> O. <b>2015</b> , 3, 4484-4492	48



1887	A New Route Toward Improved Sodium Ion Batteries: A Multifunctional Fluffy Na <sub>0.67</sub> FePO <sub>4</sub> /CNT Nanocactus. <b>2015</b> , 11, 2170-6	41
1886	Surface capacitive contributions: Towards high rate anode materials for sodium ion batteries. <b>2015</b> , 12, 224-230	301
1885	Recent progress in theoretical and computational investigations of Li-ion battery materials and electrolytes. <b>2015</b> , 17, 4799-844	190
1884	Sodium iron hexacyanoferrate with high Na content as a Na-rich cathode material for Na-ion batteries. <b>2015</b> , 8, 117-128	221
1883	Synthesis, Structure, and Na-Ion Migration in Na <sub>4</sub> NiP <sub>2</sub> O <sub>7</sub> F <sub>2</sub> : A Prospective High Voltage Positive Electrode Material for the Na-Ion Battery. <b>2015</b> , 27, 885-891	33
1882	MoS <sub>2</sub> /Graphene Composite Anodes with Enhanced Performance for Sodium-Ion Batteries: The Role of the Two-Dimensional Heterointerface. <b>2015</b> , 25, 1393-1403	577
1881	Low-surface-area hard carbon anode for na-ion batteries via graphene oxide as a dehydration agent. <b>2015</b> , 7, 2626-31	188
1880	MoS <sub>2</sub> /graphite, an electric energy storage device using Na <sup>+</sup> -based organic electrolytes. <b>2015</b> , 5, 15431-15437	22
1879	Na insertion mechanisms in vanadium oxide nanotubes for Na-ion batteries. <b>2015</b> , 7, 1477-85	24
1878	Na <sub>3</sub> MnCO <sub>3</sub> PO <sub>4</sub> A High Capacity, Multi-Electron Transfer Redox Cathode Material for Sodium Ion Batteries. <b>2015</b> , 161, 322-328	52
1877	Hierarchical zigzag Na <sub>1.25</sub> V <sub>3</sub> O <sub>8</sub> nanowires with topotactically encoded superior performance for sodium-ion battery cathodes. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 1267-1275	35-4 141
1876	Mg-doping for improved long-term cyclability of layered Na-ion cathode materials The example of P2-type Na <sub>x</sub> Mg <sub>0.11</sub> Mn <sub>0.89</sub> O <sub>2</sub> . <b>2015</b> , 282, 581-585	95
1875	Sodium storage and transport properties in pyrolysis synthesized MoSe <sub>2</sub> nanoplates for high performance sodium-ion batteries. <b>2015</b> , 283, 187-194	136
1874	An ab initio study of TiS <sub>3</sub> : a promising electrode material for rechargeable Li and Na ion batteries. <b>2015</b> , 5, 21455-21463	49
1873	Red phosphorus-single-walled carbon nanotube composite as a superior anode for sodium ion batteries. <b>2015</b> , 9, 3254-64	312
1872	Synergetic compositional and morphological effects for improved Na <sup>+</sup> storage properties of NiCoB-reduced graphene oxide composite powders. <b>2015</b> , 7, 6230-7	53
1871	Sodiation vs. lithiation phase transformations in a high rate high stability SnO <sub>2</sub> in carbon nanocomposite. <b>2015</b> , 3, 7100-7111	90
1870	A comparative study of layered transition metal oxide cathodes for application in sodium-ion battery. <b>2015</b> , 7, 5206-12	133

1869	A polyimide anode with high capacity and superior cyclability for aqueous Na-ion batteries. <b>2015</b> , 51, 5097-9	49
1868	First-principles investigation on the structural, electronic properties and diffusion barriers of Mg/Al doped NaCoO <sub>2</sub> as the cathode material of rechargeable sodium batteries. <b>2015</b> , 5, 27229-27234	21
1867	Nanoconfined Carbon-Coated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Particles in Mesoporous Carbon Enabling Ultralong Cycle Life for Sodium-Ion Batteries. <b>2015</b> , 5, 1402104	252
1866	Interfacial architectures based on a binary additive combination for high-performance Sn <sub>4</sub> P <sub>3</sub> anodes in sodium-ion batteries. <b>2015</b> , 3, 8332-8338	64
1865	Recent developments in electrode materials for sodium-ion batteries. <b>2015</b> , 3, 9353-9378	357
1864	Controlled synthesis of V <sub>2</sub> O <sub>5</sub> /MWCNT core/shell hybrid aerogels through a mixed growth and self-assembly methodology for supercapacitors with high capacitance and ultralong cycle life. <b>2015</b> , 3, 15692-15699	61
1863	Unraveling the Atomistic Sodiation Mechanism of Black Phosphorus for Sodium Ion Batteries by First-Principles Calculations. <b>2015</b> , 119, 15041-15046	120
1862	Effects of Mg doping on the remarkably enhanced electrochemical performance of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode materials for sodium ion batteries. <b>2015</b> , 3, 9578-9586	197
1861	Improved electrochemical performance of the Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode by B-doping of the carbon coating layer for sodium-ion batteries. <b>2015</b> , 3, 15190-15201	87
1860	Electrode potential and activation energy of sodium transition-metal oxides as cathode materials for sodium batteries: A first-principles investigation. <b>2015</b> , 106, 15-22	21
1859	The transformation from amorphous iron phosphate to sodium iron phosphate in sodium-ion batteries. <b>2015</b> , 17, 22144-51	15
1858	Anti-P2 structured Na <sub>0.5</sub> NbO <sub>2</sub> and its negative strain effect. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 2753-2759	35.4 12
1857	SnSe/carbon nanocomposite synthesized by high energy ball milling as an anode material for sodium-ion and lithium-ion batteries. <b>2015</b> , 176, 1296-1301	79
1856	Tuning Sodium Ion Conductivity in the Layered Honeycomb Oxide Na <sub>(3-x)</sub> Sn <sub>(2-x)</sub> Sb <sub>(x)</sub> NaO <sub>6</sub> . <b>2015</b> , 54, 7985-91	22
1855	Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C nanorods as advanced cathode material for sodium ion batteries. <b>2015</b> , 278, 281-286	37
1854	THE INFLUENCE OF INTERCALATED IONS ON CYCLIC STABILITY OF V <sub>2</sub> O <sub>5</sub> /GRAPHITE COMPOSITE IN AQUEOUS ELECTROLYTIC SOLUTIONS: EXPERIMENTAL AND THEORETICAL APPROACH. <b>2015</b> , 176, 130-140	19
1853	Properties and sodium insertion behavior of Phenolic Resin-based hard carbon microspheres obtained by a hydrothermal method. <b>2015</b> , 755, 87-91	34
1852	A phosphorus/N-doped carbon nanofiber composite as an anode material for sodium-ion batteries. <b>2015</b> , 3, 19011-19017	99

1851	An All-solid-state and All-organic Sodium-ion Battery based on Redox-active Polymers and Plastic Crystal Electrolyte. <b>2015</b> , 178, 55-59	37
1850	Stress-modulated driving force for lithiation reaction in hollow nano-anodes. <b>2015</b> , 275, 866-876	42
1849	Oxidized graphene as an electrode material for rechargeable metal-ion batteries $\square$ DFT point of view. <b>2015</b> , 176, 1092-1099	27
1848	Cobalt phosphide as a new anode material for sodium storage. <b>2015</b> , 294, 627-632	137
1847	Exfoliated MoS <sub>2</sub> Sheets and Reduced Graphene Oxide-An Excellent and Fast Anode for Sodium-ion Battery. <b>2015</b> , 5, 12571	163
1846	Fullerene-like Re-Doped MoS <sub>2</sub> Nanoparticles as an Intercalation Host with Fast Kinetics for Sodium Ion Batteries. <b>2015</b> , 55, 599-603	23
1845	Carbon nanotube@layered nickel silicate coaxial nanocables as excellent anode materials for lithium and sodium storage. <b>2015</b> , 3, 16551-16559	49
1844	Ordered-mesoporous Nb <sub>2</sub> O <sub>5</sub> /carbon composite as a sodium insertion material. <b>2015</b> , 16, 62-70	104
1843	Ex situ electrochemical sodiation/desodiation observation of Co <sub>2</sub> O <sub>3</sub> anchored carbon nanotubes: a high performance sodium-ion battery anode produced by pulsed plasma in a liquid. <b>2015</b> , 7, 13088-95	61
1842	3D flower-like NaHTi <sub>3</sub> O <sub>7</sub> nanotubes as high-performance anodes for sodium-ion batteries. <b>2015</b> , 3, 16528-16534	34
1841	Framework structured Na <sub>4</sub> Mn <sub>4</sub> Ti <sub>5</sub> O <sub>18</sub> as an electrode for Na-ion storage hybrid devices. <b>2015</b> , 17, 20733-40	12
1840	Designing an advanced P <sub>2</sub> -Na <sub>0.67</sub> Mn <sub>0.65</sub> Ni <sub>0.2</sub> Co <sub>0.15</sub> O <sub>2</sub> layered cathode material for Na-ion batteries. <b>2015</b> , 3, 16272-16278	88
1839	Update on anode materials for Na-ion batteries. <b>2015</b> , 3, 17899-17913	341
1838	Intertwined Cu <sub>3</sub> V <sub>2</sub> O <sub>7</sub> (OH) <sub>2</sub> ·2H <sub>2</sub> O nanowires/carbon fibers composite: A new anode with high rate capability for sodium-ion batteries. <b>2015</b> , 294, 193-200	25
1837	Large-scale highly ordered Sb nanorod array anodes with high capacity and rate capability for sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 2954-2962	35.4 246
1836	Retracted Article: Mesoporous amorphous FeO nanococoons for high-rate and long-life rechargeable sodium-ion batteries. <b>2015</b> , 3, 16716-16727	22
1835	Carbon Encapsulated Tin Oxide Nanocomposites: An Efficient Anode for High Performance Sodium-Ion Batteries. <b>2015</b> , 7, 17226-37	72
1834	Role of Ion-Ion Correlations on Fast Ion Transport: Molecular Dynamics Simulation of Na <sub>2</sub> Ni <sub>2</sub> TeO <sub>6</sub> . <b>2015</b> , 119, 18030-18037	20

1833	Three dimensional architecture of carbon wrapped multilayer Na <sub>3</sub> V <sub>2</sub> O <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F nanocubes embedded in graphene for improved sodium ion batteries. <b>2015</b> , 3, 17563-17568	70
1832	Amorphous Sb <sub>2</sub> S <sub>3</sub> embedded in graphite: a high-rate, long-life anode material for sodium-ion batteries. <b>2015</b> , 51, 13205-8	113
1831	Ultrafast sodium storage in anatase TiO <sub>2</sub> nanoparticles embedded on carbon nanotubes. <b>2015</b> , 16, 218-226	112
1830	A high capacity MnFe <sub>2</sub> O <sub>4</sub> /rGO nanocomposite for Li and Na-ion battery applications. <b>2015</b> , 5, 63304-63310	33
1829	Study of sodium manganese fluorides as positive electrodes for Na-ion batteries. <b>2015</b> , 278, 106-113	16
1828	A Comparative First-Principles Study on Sodiation of Silicon, Germanium, and Tin for Sodium-Ion Batteries. <b>2015</b> , 119, 14843-14850	71
1827	Challenges of Key Materials for Rechargeable Batteries. <b>2015</b> , 1-24	2
1826	Co <sub>9</sub> S <sub>8</sub> /Carbon composite as anode materials with improved Na-storage performance. <b>2015</b> , 94, 85-90	98
1825	Enhanced electrochemical performance of Ti substituted P <sub>2</sub> -Na <sub>2</sub> /3Ni <sub>1</sub> /4Mn <sub>3</sub> /4O <sub>2</sub> cathode material for sodium ion batteries. <b>2015</b> , 170, 171-181	35
1824	Pyrite (FeS <sub>2</sub> ) nanocrystals as inexpensive high-performance lithium-ion cathode and sodium-ion anode materials. <b>2015</b> , 7, 9158-63	151
1823	Synthesis of Sodium Poly[4-styrenesulfonyl(trifluoromethylsulfonyl)imide]-co-ethylacrylate] Solid Polymer Electrolytes. <b>2015</b> , 175, 232-239	22
1822	Vanadium-based polyoxometalate as new material for sodium-ion battery anodes. <b>2015</b> , 288, 270-277	61
1821	Benefits of Chromium Substitution in Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as a Potential Candidate for Sodium-Ion Batteries. <b>2015</b> , 2, 995-1002	119
1820	Aerosol-assisted rapid synthesis of SnS-C composite microspheres as anode material for Na-ion batteries. <b>2015</b> , 8, 1595-1603	104
1819	Synthesis, structural, magnetic and sodium deinsertion/insertion properties of a sodium ferrous metaphosphate, NaFe(PO <sub>3</sub> ) <sub>3</sub> . <b>2015</b> , 197, 58-66	7
1818	High-rate intercalation capability of NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C composite in aqueous lithium and sodium nitrate solutions. <b>2015</b> , 288, 176-186	58
1817	Roll-to-roll fabrication of organic nanorod electrodes for sodium ion batteries. <b>2015</b> , 13, 537-545	73
1816	Antimony nanoparticles anchored on interconnected carbon nanofibers networks as advanced anode material for sodium-ion batteries. <b>2015</b> , 284, 227-235	94

1815	Nano-assembled Na <sub>2</sub> FePO <sub>4</sub> F/carbon nanotube multi-layered cathodes for Na-ion batteries. <b>2015</b> , 56, 46-50	40
1814	Micro-MoS <sub>2</sub> with excellent reversible sodium-ion storage. <b>2015</b> , 21, 6465-8	52
1813	On the high and low temperature performances of Na-ion battery materials: Hard carbon as a case study. <b>2015</b> , 54, 51-54	59
1812	Characterization of NaX (X: TFSI, FSI) PEO based solid polymer electrolytes for sodium batteries. <b>2015</b> , 175, 124-133	100
1811	Graphene nanosheets, carbon nanotubes, graphite, and activated carbon as anode materials for sodium-ion batteries. <b>2015</b> , 3, 10320-10326	180
1810	FeSe <sub>2</sub> Microspheres as a High-Performance Anode Material for Na-Ion Batteries. <b>2015</b> , 27, 3305-9	483
1809	NaV <sub>3</sub> O <sub>8</sub> nanosheet@polypyrrole core-shell composites with good electrochemical performance as cathodes for Na-ion batteries. <b>2015</b> , 7, 9261-7	33
1808	Scalable synthesis of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C porous hollow spheres as a cathode for Na-ion batteries. <b>2015</b> , 3, 10378-10385	93
1807	Ambient-Temperature Sodium Sulfur Batteries with a Sulfonated Nafion Membrane and a Carbon Nanofiber-Activated Carbon Composite Electrode. <b>2015</b> , 5, 1500350	124
1806	Carbon-coated P2-type Na <sub>0.67</sub> Ni <sub>0.33</sub> Ti <sub>0.67</sub> O <sub>2</sub> as an anode material for sodium ion batteries. <b>2015</b> , 19, 1827-1831	15
1805	Lithium-Ion Insertion Kinetics of Na-Doped LiFePO <sub>4</sub> as Cathode Materials for Lithium-Ion Batteries. <b>2015</b> , 2, 33-38	5
1804	Hierarchical Vanadium Pentoxide Spheres as High-Performance Anode Materials for Sodium-Ion Batteries. <b>2015</b> , 8, 2877-82	35
1803	Superior sodium intercalation of honeycomb-structured hierarchical porous Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C microballs prepared by a facile one-pot synthesis. <b>2015</b> , 3, 7732-7740	102
1802	Improving the kinetics and surface stability of sodium manganese oxide cathode materials for sodium rechargeable batteries with Al <sub>2</sub> O <sub>3</sub> /MWCNT hybrid networks. <b>2015</b> , 3, 10730-10737	13
1801	Synthesis, characterisation and enhanced electrochemical performance of nanostructured Na <sub>2</sub> FePO <sub>4</sub> F for sodium batteries. <b>2015</b> , 5, 50155-50164	49
1800	NaCrO <sub>2</sub> cathode for high-rate sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 2019-2026	239
1799	Electrochemically Induced Structural Transformation in a MnO <sub>2</sub> Cathode of a High Capacity Zinc-Ion Battery System. <b>2015</b> , 27, 3609-3620	549
1798	Uniformly dispersed self-assembled growth of Sb <sub>2</sub> O <sub>3</sub> /Sb@graphene nanocomposites on a 3D carbon sheet network for high Na-storage capacity and excellent stability. <b>2015</b> , 3, 5820-5828	96

1797	Improved electrochemical performance of CoS <sub>2</sub> -MWCNT nanocomposites for sodium-ion batteries. <b>2015</b> , 51, 10486-9	184
1796	Graphene-based nano-materials for lithium-sulfur battery and sodium-ion battery. <b>2015</b> , 15, 379-405	190
1795	Sb porous hollow microspheres as advanced anode materials for sodium-ion batteries. <b>2015</b> , 3, 2971-2977	130
1794	Electrospun materials for lithium and sodium rechargeable batteries: from structure evolution to electrochemical performance. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 1660-1681	35.4 326
1793	Antimony-Carbon-Graphene Fibrous Composite as Freestanding Anode Materials for Sodium-ion Batteries. <b>2015</b> , 177, 304-309	38
1792	Retracted Article: Hollow amorphous NaFePO <sub>4</sub> nanospheres as a high-capacity and high-rate cathode for sodium-ion batteries. <b>2015</b> , 3, 8265-8271	73
1791	Facile Method To Synthesize Na-Enriched Na <sub>1+x</sub> FeFe(CN) <sub>6</sub> Frameworks as Cathode with Superior Electrochemical Performance for Sodium-Ion Batteries. <b>2015</b> , 27, 1997-2003	115
1790	Lithium and sodium storage on tetracyanoethylene (TCNE) and TCNE-(doped)-graphene complexes: A computational study. <b>2015</b> , 156, 180-187	31
1789	Inexpensive antimony nanocrystals and their composites with red phosphorus as high-performance anode materials for Na-ion batteries. <b>2015</b> , 5, 8418	57
1788	Electrochemically grown nanocrystalline V <sub>2</sub> O <sub>5</sub> as high-performance cathode for sodium-ion batteries. <b>2015</b> , 285, 418-424	45
1787	Solvent-mediated directionally self-assembling MoS <sub>2</sub> nanosheets into a novel worm-like structure and its application in sodium batteries. <b>2015</b> , 3, 9932-9937	67
1786	Growth mechanism and magnetic and electrochemical properties of Na <sub>0.44</sub> MnO <sub>2</sub> nanorods as cathode material for Na-ion batteries. <b>2015</b> , 105, 104-112	31
1785	Vacancy-Free Prussian Blue Nanocrystals with High Capacity and Superior Cyclability for Aqueous Sodium-Ion Batteries. <b>2015</b> , 1, 188-193	115
1784	Porous hollow carbon spheres decorated with molybdenum diselenide nanosheets as anodes for highly reversible lithium and sodium storage. <b>2015</b> , 7, 10198-203	151
1783	Sodium-difluoro(oxalato)borate (NaDFOB): a new electrolyte salt for Na-ion batteries. <b>2015</b> , 51, 9809-12	40
1782	Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C composite as the intercalation-type anode material for sodium-ion batteries with superior rate capability and long-cycle life. <b>2015</b> , 3, 8636-8642	81
1781	Facile Synthesis of Nanorod-like Single Crystalline Na <sub>0.44</sub> MnO <sub>2</sub> for High Performance Sodium-Ion Batteries. <b>2015</b> , 162, A1028-A1032	46
1780	High-Performance Sb/Sb <sub>2</sub> O <sub>3</sub> Anode Materials Using a Polypyrrole Nanowire Network for Na-Ion Batteries. <b>2015</b> , 11, 2885-92	95

1779	Core-shell structured SnO <sub>2</sub> hollow spheres/polyaniline composite as an anode for sodium-ion batteries. <b>2015</b> , 5, 31465-31471	45
1778	Prussian blue without coordinated water as a superior cathode for sodium-ion batteries. <b>2015</b> , 51, 8181-4	122
1777	Comprehensive Investigation of the Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> /NaV <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> System by Operando High Resolution Synchrotron X-ray Diffraction. <b>2015</b> , 27, 3009-3020	153
1776	Multifunctional conducting polymer coated Na <sup>+</sup> /MnFe(CN) <sub>6</sub> cathode for sodium-ion batteries with superior performance via a facile and one-step chemistry approach. <b>2015</b> , 13, 200-207	118
1775	Using in situ synchrotron x-ray diffraction to study lithium- and sodium-ion batteries: A case study with an unconventional battery electrode (Gd <sub>2</sub> TiO <sub>5</sub> ). <b>2015</b> , 30, 381-389	12
1774	Improving the capacity of sodium ion battery using a virus-templated nanostructured composite cathode. <b>2015</b> , 15, 2917-21	63
1773	Interplay between Electrochemistry and Phase Evolution of the P2-type Na <sub>x</sub> (Fe <sub>1/2</sub> Mn <sub>1/2</sub> )O <sub>2</sub> Cathode for Use in Sodium-Ion Batteries. <b>2015</b> , 27, 3150-3158	93
1772	A polyimide based all-organic sodium ion battery. <b>2015</b> , 3, 10453-10458	117
1771	Experimental visualization of the diffusion pathway of sodium ions in the Na <sub>3</sub> [Ti <sub>2</sub> P <sub>2</sub> O <sub>10</sub> F] anode for sodium-ion battery. <b>2014</b> , 4, 7231	39
1770	Rapid microwave assisted hydrothermal synthesis of porous Fe <sub>2</sub> O <sub>3</sub> nanostructures as stable and high capacity negative electrode for lithium and sodium ion batteries. <b>2015</b> , 5, 34761-34768	39
1769	Vanadium oxychloride as electrode material for sodium ion batteries. <b>2015</b> , 60, 180-184	20
1768	MgFe <sub>2</sub> O <sub>4</sub> /reduced graphene oxide composites as high-performance anode materials for sodium ion batteries. <b>2015</b> , 180, 616-621	37
1767	Influence of the preparation methods on the electrochemical properties and structural changes of alpha-sodium iron oxide as a positive electrode material for rechargeable sodium batteries. <b>2015</b> , 182, 871-877	13
1766	Lithium-substituted sodium layered transition metal oxide fibers as cathodes for sodium-ion batteries. <b>2015</b> , 1, 74-81	24
1765	Yeast bio-template synthesis of porous anatase TiO <sub>2</sub> and potential application as an anode for sodium-ion batteries. <b>2015</b> , 182, 596-603	32
1764	Nanoconfined antimony in sulfur and nitrogen co-doped three-dimensionally (3D) interconnected macroporous carbon for high-performance sodium-ion batteries. <b>2015</b> , 18, 12-19	80
1763	Rate Dependent Performance Related to Crystal Structure Evolution of Na <sub>0.67</sub> Mn <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>2</sub> in a Sodium-Ion Battery. <b>2015</b> , 27, 6976-6986	88
1762	Fluoride solid electrolytes: investigation of the tysonite-type solid solutions La <sub>1-x</sub> Ba <sub>x</sub> F <sub>3-x</sub> (x 2015, 44, 19625-35	40

1761	Beyond Li-ion: electrode materials for sodium- and magnesium-ion batteries. <b>2015</b> , 58, 715-766	203
1760	Materials Advances for Next-Generation Ingestible Electronic Medical Devices. <b>2015</b> , 33, 575-585	72
1759	Bottom-up, hard template and scalable approaches toward designing nanostructured Li <sub>2</sub> S for high performance lithium sulfur batteries. <b>2015</b> , 7, 18071-80	24
1758	Iron Borophosphate as a Potential Cathode for Lithium- and Sodium-Ion Batteries. <b>2015</b> , 27, 7058-7069	17
1757	Anion-effects on electrochemical properties of ionic liquid electrolytes for rechargeable aluminum batteries. <b>2015</b> , 3, 22677-22686	129
1756	Sodium-Ion Storage in Pyroprotein-Based Carbon Nanoplates. <b>2015</b> , 27, 6914-21	107
1755	Advanced Sodium Ion Battery Anode Constructed via Chemical Bonding between Phosphorus, Carbon Nanotube, and Cross-Linked Polymer Binder. <b>2015</b> , 9, 11933-41	220
1754	Hybrid functional study of the NASICON-type Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> : crystal and electronic structures, and polaron-Na vacancy complex diffusion. <b>2015</b> , 17, 30433-9	61
1753	Long-Cycle-Life Na-Ion Anodes Based on Amorphous Titania Nanotubes--Interfaces and Diffusion. <b>2015</b> , 7, 25757-69	23
1752	Exploring the Low Voltage Behavior of V <sub>2</sub> O <sub>5</sub> Aerogel as Intercalation Host for Sodium Ion Battery. <b>2015</b> , 162, A2723-A2728	43
1751	Effect of the electrolytic solvent and temperature on aluminium current collector stability: A case of sodium-ion battery cathode. <b>2015</b> , 297, 168-173	24
1750	Explaining Performance-Limiting Mechanisms in Fluorophosphate Na-Ion Battery Cathodes through Inactive Transition-Metal Mixing and First-Principles Mobility Calculations. <b>2015</b> , 27, 6008-6015	54
1749	Elucidating the origins of phase transformation hysteresis during electrochemical cycling of LiBb electrodes. <b>2015</b> , 3, 18928-18943	38
1748	Efficient and Inexpensive SodiumMagnesium Hybrid Battery. <b>2015</b> , 27, 7452-7458	81
1747	Heterogeneous Nanostructures for Sodium Ion Batteries and Supercapacitors. <b>2015</b> , 1, 458-476	25
1746	CO <sub>2</sub> and ambient air in metaloxygen batteries: steps towards reality. <b>2015</b> , 2, 1070-1079	35
1745	Structural evolution of mixed valent (V <sup>3+</sup> /V <sup>4+</sup> ) and V <sup>4+</sup> sodium vanadium fluorophosphates as cathodes in sodium-ion batteries: comparisons, overcharging and mid-term cycling. <b>2015</b> , 3, 23017-23027	29
1744	A comprehensive picture of the current rate dependence of the structural evolution of P <sub>2</sub> -Na <sub>2/3</sub> Fe <sub>2/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> . <b>2015</b> , 3, 21023-21038	36



1743	Roles of Processing, Structural Defects and Ionic Conductivity in the Electrochemical Performance of Na <sub>3</sub> MnCO <sub>3</sub> PO <sub>4</sub> Cathode Material. <b>2015</b> , 162, A1601-A1609		38
1742	Synthesis and Electrochemistry Study of P2- and O3-phase Na <sub>2</sub> /3Fe <sub>1</sub> /2Mn <sub>1</sub> /2O <sub>2</sub> . <b>2015</b> , 182, 1029-1036		47
1741	Chemically Crushed Wood Cellulose Fiber towards High-Performance Sodium-Ion Batteries. <b>2015</b> , 7, 23291-6		101
1740	Dependence of Young's modulus on the sodium content within the structural tunnels of a one-dimensional Na-ion battery cathode. <b>2015</b> , 7, 17642-8		13
1739	Three-dimensional hard carbon matrix for sodium-ion battery anode with superior-rate performance and ultralong cycle life. <b>2015</b> , 3, 23403-23411		71
1738	A global view of the phase transitions of SnO <sub>2</sub> in rechargeable batteries based on results of high throughput calculations. <b>2015</b> , 3, 19483-19489		17
1737	Facile synthesis of high performance hard carbon anode materials for sodium ion batteries. <b>2015</b> , 3, 20560-20564		64
1736	Oligomeric-Schiff bases as negative electrodes for sodium ion batteries: unveiling the nature of their active redox centers. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 3233-3241	35-4	71
1735	Improving the ionic conductivity of NASICON through aliovalent cation substitution of Na <sub>3</sub> Zr <sub>2</sub> Si <sub>2</sub> PO <sub>12</sub> . <b>2015</b> , 21, 3031-3038		60
1734	TiO <sub>2</sub> /carbon hollow spheres as anode materials for advanced sodium ion batteries. <b>2015</b> , 178, 871-876		65
1733	One-Dimensional Rod-Like Sb <sub>2</sub> S <sub>3</sub> -Based Anode for High-Performance Sodium-Ion Batteries. <b>2015</b> , 7, 19362-9		193
1732	Three-dimensionally interconnected nickel-antimony intermetallic hollow nanospheres as anode material for high-rate sodium-ion batteries. <b>2015</b> , 16, 389-398		137
1731	Self-organized sodium titanate/titania nanoforest for the negative electrode of sodium-ion microbatteries. <b>2015</b> , 646, 816-826		12
1730	Uniform yolk-shell Sn <sub>4</sub> P <sub>3</sub> @C nanospheres as high-capacity and cycle-stable anode materials for sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 3531-3538	35-4	350
1729	Bi <sub>0.94</sub> Sb <sub>1.06</sub> S <sub>3</sub> Nanorod Cluster Anodes for Sodium-Ion Batteries: Enhanced Reversibility by the Synergistic Effect of the Bi <sub>2</sub> S <sub>3</sub> /Sb <sub>2</sub> S <sub>3</sub> Solid Solution. <b>2015</b> , 27, 6139-6145		76
1728	Amorphous Bimetallic Co <sub>3</sub> Sn <sub>2</sub> Nanoalloys Are Better Than Crystalline Counterparts for Sodium Storage. <b>2015</b> , 119, 21323-21328		27
1727	A hybrid solid electrolyte for flexible solid-state sodium batteries. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 3589-3596	35-4	157
1726	Ball-milled FeP/graphite as a low-cost anode material for the sodium-ion battery. <b>2015</b> , 5, 80536-80541		44

1725	Anode performance of mesocarbon microbeads for sodium-ion batteries. <b>2015</b> , 95, 972-977	49
1724	High performance of MoS <sub>2</sub> microflowers with a water-based binder as an anode for Na-ion batteries. <b>2015</b> , 5, 79845-79851	33
1723	Titanium-Substituted Na <sub>0.44</sub> MnO <sub>2</sub> Nanorods as Cathode Materials for High Performance Sodium-Ion Batteries. <b>2015</b> , 162, A2296-A2301	14
1722	High energy density sodium-ion capacitors through co-intercalation mechanism in diglyme-based electrolyte system. <b>2015</b> , 297, 457-463	48
1721	Trends in Na-Ion Solvation with Alkyl-Carbonate Electrolytes for Sodium-Ion Batteries: Insights from First-Principles Calculations. <b>2015</b> , 119, 22747-22759	63
1720	High rate sodium ion battery anodes from block copolymer templated mesoporous nickel-cobalt carbonates and oxides. <b>2015</b> , 3, 21060-21069	19
1719	Nanostructured Cu <sub>2</sub> P/C composites as high-performance anode materials for sodium ion batteries. <b>2015</b> , 3, 21754-21759	97
1718	LiFePO <sub>4</sub> /NaFe <sub>3</sub> V <sub>9</sub> O <sub>19</sub> /porous glass nanocomposite cathodes for Li <sup>+</sup> /Na <sup>+</sup> mixed-ion batteries. <b>2015</b> , 3, 22247-22257	33
1717	A phosphorene-graphene hybrid material as a high-capacity anode for sodium-ion batteries. <b>2015</b> , 10, 980-5	1114
1716	Polypyrrole hollow nanospheres: stable cathode materials for sodium-ion batteries. <b>2015</b> , 51, 16092-5	57
1715	Fluorine-Doped Carbon Particles Derived from Lotus Petioles as High-Performance Anode Materials for Sodium-Ion Batteries. <b>2015</b> , 119, 21336-21344	128
1714	A Perylene Diimide Crystal with High Capacity and Stable Cyclability for Na-Ion Batteries. <b>2015</b> , 7, 21095-9	82
1713	Metal-organic framework derived porous CuO/Cu <sub>2</sub> O composite hollow octahedrons as high performance anode materials for sodium ion batteries. <b>2015</b> , 51, 16413-6	98
1712	Carbon-coated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> nanoparticles embedded in a mesoporous carbon matrix as a potential cathode material for sodium-ion batteries with superior rate capability and long-term cycle life. <b>2015</b> , 3, 21478-21485	130
1711	An electrochemical study of Fe <sub>1.18</sub> Sb <sub>1.82</sub> as negative electrode for sodium ion batteries. <b>2015</b> , 182, 11-19	16
1710	Cobalt sulfides/dodecahedral porous carbon as anode materials for Na-ion batteries. <b>2015</b> , 5, 103410-103413	27
1709	Flexible graphite film with laser drilling pores as novel integrated anode free of metal current collector for sodium ion battery. <b>2015</b> , 61, 84-88	31
1708	A Chemically Coupled Antimony/Multilayer Graphene Hybrid as a High-Performance Anode for Sodium-Ion Batteries. <b>2015</b> , 27, 8138-8145	121

1707	Trash to Treasure: From Harmful Algal Blooms to High-Performance Electrodes for Sodium-Ion Batteries. <b>2015</b> , 49, 12543-50	72
1706	Characterization of a thin, uniform coating on P2-type Na <sub>2</sub> /3Fe <sub>1</sub> /2Mn <sub>1</sub> /2O <sub>2</sub> cathode material for sodium-ion batteries. <b>2015</b> , 5, 6340-6344	23
1705	A General Synthesis Strategy for Monodisperse Metallic and Metalloid Nanoparticles (In, Ga, Bi, Sb, Zn, Cu, Sn, and Their Alloys) via in Situ Formed Metal Long-Chain Amides. <b>2015</b> , 27, 635-647	78
1704	A tightly integrated sodium titanate-carbon composite as an anode material for rechargeable sodium ion batteries. <b>2015</b> , 274, 8-14	83
1703	Solvothermal synthesis and electrochemical charge storage assessment of Mn <sub>3</sub> N <sub>2</sub> . <b>2015</b> , 3, 3612-3619	19
1702	A sustainable iron-based sodium ion battery of porous carbon@Fe <sub>3</sub> O <sub>4</sub> /Na <sub>2</sub> FeP <sub>2</sub> O <sub>7</sub> with high performance. <b>2015</b> , 5, 8793-8800	60
1701	First-principles investigation on crystal, electronic structures and Diffusion barriers of NaNi <sub>1</sub> /3Co <sub>1</sub> /3Mn <sub>1</sub> /3O <sub>2</sub> for advanced rechargeable Na-ion batteries. <b>2015</b> , 98, 304-310	32
1700	Ultrafine tin oxide on reduced graphene oxide as high-performance anode for sodium-ion batteries. <b>2015</b> , 151, 8-15	85
1699	A sodium ion conducting gel polymer electrolyte. <b>2015</b> , 269, 1-7	122
1698	Deflated Carbon Nanospheres Encapsulating Tin Cores Decorated on Layered 3-D Carbon Structures for Low-Cost Sodium Ion Batteries. <b>2015</b> , 3, 63-70	34
1697	Facile Synthesis of Fe <sub>3</sub> O <sub>4</sub> @g-C Nanorods for Reversible Adsorption of Molecules and Absorption of Ions. <b>2015</b> , 3, 133-139	19
1696	Peanut shell hybrid sodium ion capacitor with extreme energy power rivals lithium ion capacitors. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 941-955	35.4 622
1695	Carbon coated K(0.8)Ti(1.73)Li(0.27)O <sub>4</sub> : a novel anode material for sodium-ion batteries with a long cycle life. <b>2015</b> , 51, 1608-11	29
1694	Non-aqueous electrolytes for sodium-ion batteries. <b>2015</b> , 3, 22-42	426
1693	Nitrogen-Doping-Induced Defects of a Carbon Coating Layer Facilitate Na-Storage in Electrode Materials. <b>2015</b> , 5, 1400982	244
1692	Rechargeable Na/Na <sub>0.44</sub> MnO <sub>2</sub> cells with ionic liquid electrolytes containing various sodium solutes. <b>2015</b> , 274, 1016-1023	82
1691	Few-Layered SnS <sub>2</sub> on Few-Layered Reduced Graphene Oxide as Na-Ion Battery Anode with Ultralong Cycle Life and Superior Rate Capability. <b>2015</b> , 25, 481-489	354
1690	Solid-state polymer nanocomposite electrolyte of TiO <sub>2</sub> /PEO/NaClO <sub>4</sub> for sodium ion batteries. <b>2015</b> , 278, 375-381	172

1689	A Flexible Porous Carbon Nanofibers-Selenium Cathode with Superior Electrochemical Performance for Both Li-Se and Na-Se Batteries. <b>2015</b> , 5, 1401377	191
1688	Amorphous monodispersed hard carbon micro-spherules derived from biomass as a high performance negative electrode material for sodium-ion batteries. <b>2015</b> , 3, 71-77	347
1687	Study of Transport Properties and Interfacial Kinetics of $\text{Na}_2/3[\text{Ni}_{1/3}\text{Mn}_x\text{Ti}_{2/3-x}]\text{O}_2$ ( $x = 0, 1/3$ ) as Electrodes for Na-Ion Batteries. <b>2015</b> , 162, A8-A14	34
1686	$\text{NaV}_6\text{O}_{15}$ Nanoflakes with Good Cycling Stability as a Cathode for Sodium Ion Battery. <b>2015</b> , 162, A39-A43	56
1685	Electrical energy storage systems: A comparative life cycle cost analysis. <b>2015</b> , 42, 569-596	927
1684	3D Porous $\text{Fe}_2\text{O}_3/\text{C}$ Nanocomposite as High-Performance Anode Material of Na-Ion Batteries. <b>2015</b> , 5, 1401123	285
1683	A comprehensive review of sodium layered oxides: powerful cathodes for Na-ion batteries. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 81-102	35.4 880
1682	$\text{Na}_3\text{V}_2(\text{PO}_4)_3$ particles partly embedded in carbon nanofibers with superb kinetics for ultra-high power sodium ion batteries. <b>2015</b> , 3, 1005-1009	80
1681	A promising cathode material of sodium iron nickel hexacyanoferrate for sodium ion batteries. <b>2015</b> , 275, 45-49	107
1680	$\text{SnSe}$ alloy as a promising anode material for Na-ion batteries. <b>2015</b> , 51, 50-3	108
1679	Aluminum doping improves the energetics of lithium, sodium, and magnesium storage in silicon: A first-principles study. <b>2015</b> , 274, 65-70	50
1678	Electrochemical performance of $\text{NaFex}(\text{Ni}_{0.5}\text{Ti}_{0.5})_{1-x}\text{O}_2$ ( $x = 0.2$ and $x = 0.4$ ) cathode for sodium-ion battery. <b>2015</b> , 273, 333-339	34
1677	Budding willow branches shaped $\text{Na}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ nanofibers synthesized via an electrospinning technique and used as cathode material for sodium ion batteries. <b>2015</b> , 273, 784-792	119
1676	Detailed investigation of $\text{Na}_{2.24}\text{FePO}_4\text{CO}_3$ as a cathode material for Na-ion batteries. <b>2014</b> , 4, 4188	67
1675	Hierarchically Porous $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Anode Materials for Li- and Na-Ion Batteries: Effects of Nanoarchitectural Design and Temperature Dependence of the Rate Capability. <b>2015</b> , 5, 1400730	111
1674	Biomass-derived materials for electrochemical energy storages. <b>2015</b> , 43, 136-164	199
1673	Exfoliated- $\text{SnS}_2$ restacked on graphene as a high-capacity, high-rate, and long-cycle life anode for sodium ion batteries. <b>2015</b> , 7, 1325-32	229
1672	Electrochemical Study of $\text{Na}_2\text{Fe}_{1-x}\text{Mn}_x\text{P}_2\text{O}_7$ ( $x = 0, 0.25, 0.5, 0.75, 1$ ) as Cathode Material for Rechargeable Na-Ion Batteries. <b>2016</b> , 2, 1	22

- 1671 High-Voltage Cathodes for Na-Ion Batteries: Sodium Vanadium Fluorophosphates. **2016,**
- 1670 Robust vanadium pentoxide electrodes for sodium and calcium ion batteries: thermodynamic and diffusion mechanical insights. **2016, 4, 12516-12525** 22
- 1669 One-Step Catalytic Synthesis of CuO/Cu<sub>2</sub>O in a Graphitized Porous C Matrix Derived from the Cu-Based Metal-Organic Framework for Li- and Na-Ion Batteries. **2016, 8, 19514-23** 76
- 1668 A P<sub>2</sub>-Na<sub>x</sub>Co<sub>0.7</sub>Mn<sub>0.3</sub>O<sub>2</sub> (x ≈ 1.0) cathode material for Na-ion batteries with superior rate and cycle capability. **2016, 4, 12281-12288** 43
- 1667 Hard Carbon Anodes and Novel Electrolytes for Long-Cycle-Life Room Temperature Sodium-Sulfur Full Cell Batteries. **2016, 6, 1502185** 80
- 1666 Low-Temperature Solution-Based Phosphorization Reaction Route to Sn<sub>4</sub>P<sub>3</sub>/Reduced Graphene Oxide Nanohybrids as Anodes for Sodium Ion Batteries. **2016, 6, 1600376** 159
- 1665 Lithium-Rich Layered Oxide Li<sub>1.18</sub>Ni<sub>0.15</sub>Co<sub>0.15</sub>Mn<sub>0.52</sub>O<sub>2</sub> as the Cathode Material for Hybrid Sodium-Ion Batteries. **2016, 22, 11610-6** 12
- 1664 Core/Shell Ge@Graphene@TiO<sub>2</sub> Nanofibers as a High-Capacity and Cycle-Stable Anode for Lithium and Sodium Ion Battery. **2016, 26, 1104-1111** 235
- 1663 High-Rate, Durable Sodium-Ion Battery Cathode Enabled by Carbon-Coated Micro-Sized Na<sub>3</sub>V<sub>2</sub>(PO<sub>4</sub>)<sub>3</sub> Particles with Interconnected Vertical Nanowalls. **2016, 3, 1500740** 39
- 1662 Reversible Na-Ion Uptake in Si Nanoparticles. **2016, 6, 1501436** 81
- 1661 Layer-by-Layer Na<sub>3</sub>V<sub>2</sub>(PO<sub>4</sub>)<sub>3</sub> Embedded in Reduced Graphene Oxide as Superior Rate and Ultralong-Life Sodium-Ion Battery Cathode. **2016, 6, 1600389** 225
- 1660 SnS 3D Flowers with Superb Kinetic Properties for Anodic Use in Next-Generation Sodium Rechargeable Batteries. **2016, 12, 2510-7** 79
- 1659 Additive effect of fluoroethylene and difluoroethylene carbonates for the solid electrolyte interphase film formation in sodium-ion batteries: a quantum chemical study. **2016, 6, 65232-65242** 37
- 1658 Green and Facile Fabrication of MWNTs@Sb<sub>2</sub>S<sub>3</sub>@PPy Coaxial Nanocables for High-Performance Na-Ion Batteries. **2016, 33, 493-499** 62
- 1657 Superior Sodium Storage in 3D Interconnected Nitrogen and Oxygen Dual-Doped Carbon Network. **2016, 12, 2559-66** 127
- 1656 Bismuth Nanoparticles Embedded in Carbon Spheres as Anode Materials for Sodium/Lithium-Ion Batteries. **2016, 22, 2333-8** 90
- 1655 Nanoarchitected Array Electrodes for Rechargeable Lithium- and Sodium-Ion Batteries. **2016, 6, 1502514** 140
- 1654 Nitrogen-Doped Ordered Mesoporous Anatase TiO<sub>2</sub> Nanofibers as Anode Materials for High Performance Sodium-Ion Batteries. **2016, 12, 3522-9** 119

1653	Transition metal oxides for sodium-ion batteries. <b>2016</b> , 5, 116-131	184
1652	Phases hybridizing and graphene-like TiO <sub>2</sub> for high-performance Na-ion batteries. <b>2016</b> , 687, 683-688	8
1651	Controllable synthesis of high-rate and long cycle-life Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> for sodium-ion batteries. <b>2016</b> , 326, 14-22	65
1650	Elucidation of transport mechanism and enhanced alkali ion transference numbers in mixed alkali metal-organic ionic molten salts. <b>2016</b> , 18, 19336-44	55
1649	Assembly of SnSe Nanoparticles Confined in Graphene for Enhanced Sodium-Ion Storage Performance. <b>2016</b> , 22, 1445-51	69
1648	Sodium-Ion Storage Properties of FeS-Reduced Graphene Oxide Composite Powder with a Crumpled Structure. <b>2016</b> , 22, 2769-74	91
1647	Disordered 3 D Multi-layer Graphene Anode Material from CO <sub>2</sub> for Sodium-Ion Batteries. <b>2016</b> , 9, 1397-402	21
1646	Understanding Origin of Voltage Hysteresis in Conversion Reaction for Na Rechargeable Batteries: The Case of Cobalt Oxides. <b>2016</b> , 26, 5042-5050	54
1645	Mechanism of Na <sup>+</sup> Insertion in Alkali Vanadates and Its Influence on Battery Performance. <b>2016</b> , 6, 1502336	20
1644	Layered Na <sub>2</sub> Ti <sub>2</sub> O <sub>4</sub> (OH) <sub>2</sub> and K <sub>2</sub> Ti <sub>2</sub> O <sub>4</sub> (OH) <sub>2</sub> Nanoarrays for Na/Li-Ion Intercalation Systems: Effect of Ion Size. <b>2016</b> , 163, A2203-A2210	5
1643	NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /Carbon and NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /Graphite Composites as Anode Materials for Aqueous Rechargeable Na-ion Batteries. <b>2016</b> , 84, 705-708	4
1642	Procrystal analysis as a tool for the visualization of ion migration pathways. <b>2016</b> ,	1
1641	Exploration of CaTi(PO) <sub>3</sub> @carbon Nanocomposite as the High-Rate Negative Electrode for Na-Ion Batteries. <b>2016</b> , 8, 35336-35341	23
1640	Structure and Dynamic Behavior of Sodium Diglyme Complex in the Graphite Anode of Sodium Ion Battery by 2H Nuclear Magnetic Resonance. <b>2016</b> , 120, 28152-28156	25
1639	3-D structured SnO <sub>2</sub> @polypyrrole nanotubes applied in Na-ion batteries. <b>2016</b> , 6, 103124-103131	18
1638	Ultralong SbSe Nanowire-Based Free-Standing Membrane Anode for Lithium/Sodium Ion Batteries. <b>2016</b> , 8, 35219-35226	110
1637	Sodium storage in fluorine-rich mesoporous carbon fabricated by low-temperature carbonization of polyvinylidene fluoride with a silica template. <b>2016</b> , 6, 110850-110857	15
1636	Alkali metal ion storage properties of sulphur and phosphorous molecules encapsulated in nanometer size carbon cylindrical pores. <b>2016</b> , 6, 035112	11

1635	Carbon Quantum Dot Surface-Engineered VO <sub>2</sub> Interwoven Nanowires: A Flexible Cathode Material for Lithium and Sodium Ion Batteries. <b>2016</b> , 8, 9733-44	121
1634	Biomass carbon micro/nano-structures derived from ramie fibers and corncobs as anode materials for lithium-ion and sodium-ion batteries. <b>2016</b> , 379, 73-82	166
1633	Excellent cycling stability and superior rate capability of a graphene-amorphous FePO <sub>4</sub> porous nanowire hybrid as a cathode material for sodium ion batteries. <b>2016</b> , 8, 8495-9	35
1632	Use of a novel layered titanoniobate as an anode material for long cycle life sodium ion batteries. <b>2016</b> , 6, 35746-35750	20
1631	Investigation of sodium insertion-extraction in olivine Na <sub>x</sub> FePO <sub>4</sub> (0 <math>x</math> <math>1</math>) using first-principles calculations. <b>2016</b> , 18, 13045-51	31
1630	In situ characterization of electrochemical processes in one dimensional nanomaterials for energy storages devices. <b>2016</b> , 24, 165-188	81
1629	A Na <sup>+</sup> -storage electrode material free of potential plateaus and its application in electrochemical capacitors. <b>2016</b> , 289, 194-198	6
1628	Origin of low sodium capacity in graphite and generally weak substrate binding of Na and Mg among alkali and alkaline earth metals. <b>2016</b> , 113, 3735-9	328
1627	Enhanced high-rate performance of manganese substituted Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C as cathode for sodium-ion batteries. <b>2016</b> , 313, 73-80	99
1626	Sodium insertion/extraction from single-walled and multi-walled carbon nanotubes: The differences and similarities. <b>2016</b> , 314, 102-108	22
1625	Electrochemical characterization of NaFe <sub>2</sub> (CN) <sub>6</sub> Prussian Blue as positive electrode for aqueous sodium-ion batteries. <b>2016</b> , 210, 352-357	45
1624	Uniform distribution of 1-D SnO <sub>2</sub> nanorod arrays anchored on 2-D graphene sheets for reversible sodium storage. <b>2016</b> , 154, 54-60	16
1623	Effect of nickel and iron on structural and electrochemical properties of O <sub>3</sub> type layer cathode materials for sodium-ion batteries. <b>2016</b> , 324, 106-112	37
1622	Progress in electrolytes for rechargeable Li-based batteries and beyond. <b>2016</b> , 1, 18-42	265
1621	Nanooctahedra Particles Assembled FeSe <sub>2</sub> Microspheres Embedded into Sulfur-Doped Reduced Graphene Oxide Sheets As a Promising Anode for Sodium Ion Batteries. <b>2016</b> , 8, 13849-56	105
1620	Antimony/Graphitic Carbon Composite Anode for High-Performance Sodium-Ion Batteries. <b>2016</b> , 8, 13871-8	46
1619	Composite of few-layer MoO <sub>3</sub> nanosheets with graphene as a high performance anode for sodium-ion batteries. <b>2016</b> , 4, 9466-9471	60
1618	Facile one-step synthesis of highly graphitized hierarchical porous carbon nanosheets with large surface area and high capacity for lithium storage. <b>2016</b> , 6, 51146-51152	2

1617	Status and challenge of Mg battery cathode. <b>2016</b> , 3, 1	21
1616	Carbon- and Binder-Free NiCo <sub>2</sub> O <sub>4</sub> Nanoneedle Array Electrode for Sodium-Ion Batteries: Electrochemical Performance and Insight into Sodium Storage Reaction. <b>2016</b> , 11, 45	23
1615	Experimental and Computational Investigation of Lepidocrocite Anodes for Sodium-Ion Batteries. <b>2016</b> , 28, 4284-4291	15
1614	How Crystallite Size Controls the Reaction Path in Nonaqueous Metal Ion Batteries: The Example of Sodium Bismuth Alloying. <b>2016</b> , 28, 2750-2756	79
1613	Comparison of the structural evolution of the O3 and P2 phases of Na <sub>2</sub> /3Fe <sub>2</sub> /3Mn <sub>1</sub> /3O <sub>2</sub> during electrochemical cycling. <b>2016</b> , 203, 189-197	12
1612	Study of tin-sulphur-carbon nanocomposites based on electrically exploded tin as anode for sodium battery. <b>2016</b> , 315, 218-223	17
1611	In situ growth and performance of spherical Fe <sub>2</sub> F <sub>5</sub> ·H <sub>2</sub> O nanoparticles in multi-walled carbon nanotube network matrix as cathode material for sodium ion batteries. <b>2016</b> , 316, 170-175	17
1610	Biotechnology humic acids-based electrospun carbon nanofibers as cost-efficient electrodes for lithium-ion batteries. <b>2016</b> , 203, 66-73	11
1609	Combining ionic liquid-based electrolytes and nanostructured anatase TiO <sub>2</sub> anodes for intrinsically safer sodium-ion batteries. <b>2016</b> , 203, 109-116	25
1608	Research progress in Na-ion capacitors. <b>2016</b> , 4, 7538-7548	121
1607	In situ quantization of ferroferric oxide embedded in 3D microcarbon for ultrahigh performance sodium-ion batteries. <b>2016</b> , 4, 8822-8829	39
1606	Insights into the Chemical Nature and Formation Mechanisms of Discharge Products in NaO <sub>2</sub> Batteries by Means of Operando X-ray Diffraction. <b>2016</b> , 120, 8472-8481	61
1605	Long cycle life microporous spherical carbon anodes for sodium-ion batteries derived from furfuryl alcohol. <b>2016</b> , 4, 6271-6275	38
1604	Cr <sub>2</sub> O <sub>5</sub> as new cathode for rechargeable sodium ion batteries. <b>2016</b> , 242, 96-101	6
1603	Sodium insertion cathode material Na <sub>0.67</sub> [Ni <sub>0.4</sub> Co <sub>0.2</sub> Mn <sub>0.4</sub> ]O <sub>2</sub> with excellent electrochemical properties. <b>2016</b> , 208, 142-147	27
1602	Self-sacrificed synthesis of three-dimensional Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanofiber network for high-rate sodium-ion full batteries. <b>2016</b> , 25, 145-153	186
1601	In situ synthesis of chemically bonded NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /rGO 2D nanocomposite for high-rate sodium-ion batteries. <b>2016</b> , 9, 1844-1855	59
1600	First principles study of nanostructured TiS <sub>2</sub> electrodes for Na and Mg ion storage. <b>2016</b> , 320, 322-331	35



1599	A universal strategy to prepare porous graphene films: binder-free anodes for high-rate lithium-ion and sodium-ion batteries. <b>2016</b> , 4, 8837-8843	49
1598	In operando Synchrotron XRD/XAS Investigation of Sodium Insertion into the Prussian Blue Analogue Cathode Material $\text{Na}_{1.32}\text{Mn}[\text{Fe}(\text{CN})_6]_{0.83} \cdot \text{H}_2\text{O}$ . <b>2016</b> , 200, 305-313	42
1597	Layered P2-type $\text{Na}_{0.5}\text{Ni}_{0.25}\text{Mn}_{0.75}\text{O}_2$ as a high performance cathode material for sodium-ion batteries. <b>2016</b> , 206, 199-206	55
1596	Highly stable linear carbonate-containing electrolytes with fluoroethylene carbonate for high-performance cathodes in sodium-ion batteries. <b>2016</b> , 320, 49-58	63
1595	Sodiation vs. Lithiation of $\text{FePO}_4$ : A comparative kinetic study. <b>2016</b> , 216, 412-419	17
1594	First-principles and experimental study of nitrogen/sulfur co-doped carbon nanosheets as anodes for rechargeable sodium ion batteries. <b>2016</b> , 4, 15565-15574	104
1593	3D Interconnected and Multiwalled Carbon@MoS <sub>2</sub> @Carbon Hollow Nanocables as Outstanding Anodes for Na-Ion Batteries. <b>2016</b> , 12, 6033-6041	103
1592	Na-ion diffusion in a NASICON-type solid electrolyte: a density functional study. <b>2016</b> , 18, 27226-27231	23
1591	Core-shell hexacyanoferrate for superior Na-ion batteries. <b>2016</b> , 329, 290-296	43
1590	Partially reduced SnO <sub>2</sub> nanoparticles anchored on carbon nanofibers for high performance sodium-ion batteries. <b>2016</b> , 72, 91-95	39
1589	Electrochemical performance of fulvic acid-based electrospun hard carbon nanofibers as promising anodes for sodium-ion batteries. <b>2016</b> , 334, 170-178	38
1588	Electrochemical Intercalation of Potassium into Graphite. <b>2016</b> , 26, 8103-8110	426
1587	Interfacial Reactivity Benchmarking of the Sodium Ion Conductors NaPS and Sodium $\beta$ -Alumina for Protected Sodium Metal Anodes and Sodium All-Solid-State Batteries. <b>2016</b> , 8, 28216-28224	138
1586	Nitrogen-doped hierarchically porous carbon networks: synthesis and applications in lithium-ion battery, sodium-ion battery and zinc-air battery. <b>2016</b> , 219, 592-603	138
1585	Ex Situ <sup>23</sup> Na Solid-State NMR Reveals the Local Na-Ion Distribution in Carbon-Coated $\text{Na}_2\text{FePO}_4\text{F}$ during Electrochemical Cycling. <b>2016</b> , 28, 7645-7656	43
1584	Ultra-long $\text{Na}_2\text{Ti}_3\text{O}_7$ nanowires@carbon cloth as a binder-free flexible electrode with a large capacity and long lifetime for sodium-ion batteries. <b>2016</b> , 4, 17111-17120	56
1583	Ultras-small SnS nanoparticles embedded in carbon spheres: a high-performance anode material for sodium ion batteries. <b>2016</b> , 6, 95805-95811	25
1582	Strong Impact of the Oxygen Content in $\text{Na}_3\text{V}_2(\text{PO}_4)_2\text{F}_{3-x}\text{O}_y$ (0 $\leq$ x $\leq$ 0.5) on Its Structural and Electrochemical Properties. <b>2016</b> , 28, 7683-7692	91

1581	Hierarchical porous nitrogen-rich carbon nanospheres with high and durable capabilities for lithium and sodium storage. <b>2016</b> , 8, 17911-17918	54
1580	A ceramic/polymer composite solid electrolyte for sodium batteries. <b>2016</b> , 4, 15823-15828	108
1579	Plasticization of NaX-PEO solid polymer electrolytes by Pyr13X ionic liquids. <b>2016</b> , 211, 1006-1015	30
1578	Highly Safe Ionic Liquid Electrolytes for Sodium-Ion Battery: Wide Electrochemical Window and Good Thermal Stability. <b>2016</b> , 8, 21381-6	69
1577	SnS <sub>2</sub> nanoplates as stable anodes for sodium ion and lithium ion batteries. <b>2016</b> , 31, 646-652	14
1576	Flaky CoS <sub>2</sub> and graphene nanocomposite anode materials for sodium-ion batteries with improved performance. <b>2016</b> , 6, 70632-70637	53
1575	High-Performance Red P-Based P <sub>4</sub> TiP <sub>2</sub> Nanocomposite Anode for Lithium-Ion and Sodium-Ion Storage. <b>2016</b> , 28, 5935-5942	62
1574	Iron Telluride-Decorated Reduced Graphene Oxide Hybrid Microspheres as Anode Materials with Improved Na-Ion Storage Properties. <b>2016</b> , 8, 21343-9	52
1573	Sodium Bis(fluorosulfonyl)imide/Poly(ethylene oxide) Polymer Electrolytes for Sodium-Ion Batteries. <b>2016</b> , 3, 1741-1745	52
1572	Facile Synthesis of WS <sub>2</sub> Nanosheets/Carbon Composites Anodes for Sodium and Lithium Ion Batteries. <b>2016</b> , 2, 997-1002	30
1571	Stabilizing nickel sulfide nanoparticles with an ultrathin carbon layer for improved cycling performance in sodium ion batteries. <b>2016</b> , 9, 3162-3170	59
1570	Advantages of Ge anode for Na-ion batteries: Ge vs. Si and Sn. <b>2016</b> , 688, 158-163	29
1569	P2-Type Na <sub>0.67</sub> Ni <sub>0.23</sub> Mg <sub>0.1</sub> Mn <sub>0.67</sub> O <sub>2</sub> as a High-Performance Cathode for a Sodium-Ion Battery. <b>2016</b> , 55, 9033-7	77
1568	Carbon-coated hierarchical NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> mesoporous microflowers with superior sodium storage performance. <b>2016</b> , 28, 224-231	114
1567	Conductive Carbon Network inside a Sulfur-Impregnated Carbon Sponge: A Bioinspired High-Performance Cathode for Li-S Battery. <b>2016</b> , 8, 22261-9	47
1566	Electrical structures, magnetic polaron and lithium ion dynamics in three transition metal doped LiFe <sub>1-x</sub> M <sub>x</sub> PO <sub>4</sub> (M = Mn, Co and La) cathode material for Li ion batteries from density functional theory study. <b>2016</b> , 294, 73-81	12
1565	Influence of ion-ion correlation on Na <sup>+</sup> transport in Na <sub>2</sub> Ni <sub>2</sub> TeO <sub>6</sub> : molecular dynamics study. <b>2016</b> , 22, 2379-2385	10
1564	Design of nanoconfined MWNTs@NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> coaxial cables with superior rate capability and long-cycle life for Na-ion batteries. <b>2016</b> , 4, 54-61	20

1563	Cobalt-substituted Na <sub>0.44</sub> Mn <sub>1-x</sub> Co <sub>x</sub> O <sub>2</sub> : phase evolution and a high capacity positive electrode for sodium-ion batteries. <b>2016</b> , 213, 496-503	32
1562	Na <sub>0.33</sub> V <sub>2</sub> O <sub>5</sub> nanosheet@graphene composites: Towards high performance cathode materials for sodium ion batteries. <b>2016</b> , 183, 346-350	14
1561	Cubic KTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as electrode materials for sodium-ion batteries. <b>2016</b> , 483, 67-72	14
1560	Improved Na Storage Performance with the Involvement of Nitrogen-Doped Conductive Carbon into WS <sub>2</sub> Nanosheets. <b>2016</b> , 8, 23899-908	58
1559	Defective Graphene and Graphene Allotropes as High-Capacity Anode Materials for Mg Ion Batteries. <b>2016</b> , 1, 638-645	50
1558	Synthesis of coral-like Fe <sub>2</sub> N@C nanoparticles and application in sodium ion batteries as a novel anode electrode material. <b>2016</b> , 6, 86131-86136	22
1557	Tuning the Phase Stability of Sodium Metal Pyrophosphates for Synthesis of High Voltage Cathode Materials. <b>2016</b> , 28, 6724-6730	12
1556	Recent progress of silicon composites as anode materials for secondary batteries. <b>2016</b> , 6, 87778-87790	48
1555	A joint experimental and theoretical determination of the structure of discharge products in Na-SO batteries. <b>2016</b> , 18, 24841-24844	5
1554	Durable high-rate capability Na <sub>0.44</sub> MnO <sub>2</sub> cathode material for sodium-ion batteries. <b>2016</b> , 27, 602-610	96
1553	O <sub>3</sub> -type NaNi <sub>0.33</sub> Li <sub>0.11</sub> Ti <sub>0.56</sub> O <sub>2</sub> -based electrode for symmetric sodium ion cell. <b>2016</b> , 329, 1-7	24
1552	Unlocking the electrochemistry abilities of nanoscaled Na <sup>2/3</sup> Ni <sup>1/4</sup> Mn <sup>3/4</sup> O <sub>2</sub> thin films. <b>2016</b> , 215, 550-555	7
1551	High temperature electrical energy storage: advances, challenges, and frontiers. <b>2016</b> , 45, 5848-5887	182
1550	Novel Metal Chalcogenide SnS <sub>2</sub> as a High-Capacity Anode for Sodium-Ion Batteries. <b>2016</b> , 28, 8645-8650	97
1549	Hard Carbon Fibers Pyrolyzed from Wool as High-Performance Anode for Sodium-Ion Batteries. <b>2016</b> , 68, 2579-2584	19
1548	Nanostructured metal phosphide-based materials for electrochemical energy storage. <b>2016</b> , 4, 14915-14931	191
1547	Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C Nanorods with Improved Electrode-Electrolyte Interface As Cathode Material for Sodium-Ion Batteries. <b>2016</b> , 8, 23151-9	68
1546	Recent advances in titanium-based electrode materials for stationary sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 2978-3006	35.4 293

1545	Crystallographic Evolution of P2 Na <sub>2</sub> /3Fe <sub>0.4</sub> Mn <sub>0.6</sub> O <sub>2</sub> Electrodes during Electrochemical Cycling. <b>2016</b> , 28, 6342-6354	53
1544	Ultrafine Nb <sub>2</sub> O <sub>5</sub> Nanocrystal Coating on Reduced Graphene Oxide as Anode Material for High Performance Sodium Ion Battery. <b>2016</b> , 8, 22213-9	85
1543	First principles study of a SnS <sub>2</sub> /graphene heterostructure: a promising anode material for rechargeable Na ion batteries. <b>2016</b> , 4, 14316-14323	112
1542	Structurally stable Mg-doped P2-Na <sub>2</sub> /3Mn <sub>1-x</sub> Mg <sub>x</sub> O <sub>2</sub> sodium-ion battery cathodes with high rate performance: insights from electrochemical, NMR and diffraction studies. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 3240-3251	35.4 200
1541	On the Mechanism of the Improved Operation Voltage of Rhombohedral Nickel Hexacyanoferrate as Cathodes for Sodium-Ion Batteries. <b>2016</b> , 8, 33619-33625	66
1540	Kinetics of Na CF <sub>x</sub> and Li CF <sub>x</sub> systems. <b>2016</b> , 20, 3367-3373	10
1539	Hierarchical MoS <sub>2</sub> @RGO nanosheets for high performance sodium storage. <b>2016</b> , 331, 50-57	75
1538	Synthesis of a novel tunnel Na <sub>0.5</sub> K <sub>0.1</sub> MnO <sub>2</sub> composite as a cathode for sodium ion batteries. <b>2016</b> , 6, 54404-54409	16
1537	Carbon nanosheet frameworks derived from sodium alginate as anode materials for sodium-ion batteries. <b>2016</b> , 185, 530-533	7
1536	Scalable Template-Free Synthesis of Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> /Na <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> Nanorods with Composition Tunable for Synergistic Performance in Sodium-Ion Batteries. <b>2016</b> , 55, 10065-10072	33
1535	Cation Intercalation in Manganese Oxide Nanosheets: Effects on Lithium and Sodium Storage. <b>2016</b> , 128, 10604-10608	33
1534	Cation Intercalation in Manganese Oxide Nanosheets: Effects on Lithium and Sodium Storage. <b>2016</b> , 55, 10448-52	59
1533	Fabrication of cubic spinel MnCo <sub>2</sub> O <sub>4</sub> nanoparticles embedded in graphene sheets with their improved lithium-ion and sodium-ion storage properties. <b>2016</b> , 326, 252-263	47
1532	Improvement on the high-rate performance of Mn-doped Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C as a cathode material for sodium ion batteries. <b>2016</b> , 6, 71581-71588	55
1531	Transition Metal Carbides and Nitrides in Energy Storage and Conversion. <b>2016</b> , 3, 1500286	762
1530	Rational design of coaxial-cable MoSe <sub>2</sub> /C: Towards high performance electrode materials for lithium-ion and sodium-ion batteries. <b>2016</b> , 686, 413-420	55
1529	Phosphorene and Phosphorene-Based Materials - Prospects for Future Applications. <b>2016</b> , 28, 8586-8617	283
1528	Synthesis of Monocrystalline Nanoframes of Prussian Blue Analogues by Controlled Preferential Etching. <b>2016</b> , 55, 8228-34	138

1527	High Performance NaCuCl <sub>2</sub> Rechargeable Battery toward Room Temperature ZEBRA-Type Battery. <b>2016</b> , 6, 1600862	17
1526	Combination of solid state NMR and DFT calculation to elucidate the state of sodium in hard carbon electrodes. <b>2016</b> , 4, 13183-13193	60
1525	An Overview and Future Perspectives of Aluminum Batteries. <b>2016</b> , 28, 7564-79	470
1524	Synthesis of Monocrystalline Nanoframes of Prussian Blue Analogues by Controlled Preferential Etching. <b>2016</b> , 128, 8368-8374	25
1523	Na <sub>3</sub> Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>2</sub> (SO <sub>3</sub> N) as a potential high capacity cathode material. <b>2016</b> , 211, 185-190	1
1522	Lithium and sodium storage in highly ordered mesoporous nitrogen-doped carbons derived from honey. <b>2016</b> , 335, 20-30	71
1521	Graphitic Carbon-Coated FeSe <sub>2</sub> Hollow Nanosphere-Decorated Reduced Graphene Oxide Hybrid Nanofibers as an Efficient Anode Material for Sodium Ion Batteries. <b>2016</b> , 6, 23699	111
1520	Analogous graphite carbon sheets derived from corn stalks as high performance sodium-ion battery anodes. <b>2016</b> , 6, 106218-106224	23
1519	Hollow Nanotubes of N-Doped Carbon on CoS. <b>2016</b> , 128, 16063-16066	12
1518	Hollow Nanotubes of N-Doped Carbon on CoS. <b>2016</b> , 55, 15831-15834	106
1517	Tin phosphide-based anodes for sodium-ion batteries: synthesis via solvothermal transformation of Sn metal and phase-dependent Na storage performance. <b>2016</b> , 6, 26195	39
1516	Facile construction of nanoscale laminated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> for a high-performance sodium ion battery cathode. <b>2016</b> , 4, 19170-19178	21
1515	NaMV(PO) (M = Mn, Fe, Ni) Structure and Properties for Sodium Extraction. <b>2016</b> , 16, 7836-7841	146
1514	Carbon-Stabilized Interlayer-Expanded Few-Layer MoSe Nanosheets for Sodium Ion Batteries with Enhanced Rate Capability and Cycling Performance. <b>2016</b> , 8, 32324-32332	105
1513	Structural and electrochemical analysis of Zn doped Na <sub>3</sub> Ni <sub>2</sub> SbO <sub>6</sub> cathode for Na-ion battery. <b>2016</b> , 336, 186-195	22
1512	Amorphous FeO/Graphene Composite Nanosheets with Enhanced Electrochemical Performance for Sodium-Ion Battery. <b>2016</b> , 8, 30899-30907	134
1511	Thermal Stability of NaCrO for Rechargeable Sodium Batteries; Studies by High-Temperature Synchrotron X-ray Diffraction. <b>2016</b> , 8, 32292-32299	35
1510	Core/Double-Shell Structured NaV(PO) <sub>3</sub> F@C Nanocomposite as the High Power and Long Lifespan Cathode for Sodium-Ion Batteries. <b>2016</b> , 8, 31709-31715	110

1509	Carbon-Coated NaV(PO) Anchored on Freestanding Graphite Foam for High-Performance Sodium-Ion Cathodes. <b>2016</b> , 8, 32360-32365	40
1508	A novel route for FePO <sub>4</sub> olivine synthesis from sarcopside oxidation. <b>2016</b> , 62, 29-33	5
1507	Sodium vanadate nanowires @ polypyrrole with synergetic core-shell structure for enhanced reversible sodium-ion storage. <b>2016</b> , 137, 130-137	25
1506	Size and Composition Effects in Sb-Carbon Nanocomposites for Sodium-Ion Batteries. <b>2016</b> , 8, 30152-30164	54
1505	Hierarchical core-shell NiCo <sub>2</sub> O <sub>4</sub> @NiMoO <sub>4</sub> nanowires grown on carbon cloth as integrated electrode for high-performance supercapacitors. <b>2016</b> , 6, 31465	65
1504	Flash-induced reduced graphene oxide as a Sn anode host for high performance sodium ion batteries. <b>2016</b> , 4, 18306-18313	39
1503	Versatile electrochemical cell for Li/Na-ion batteries and high-throughput setup for combined operando X-ray diffraction and absorption spectroscopy. <b>2016</b> , 49, 1972-1981	24
1502	Case Examination on Volume Expansion of Crystalline Si Nanoparticles under Sodiation: In Situ TEM Study Using Graphene Liquid Cells. <b>2016</b> , 22, 1370-1371	
1501	Electrical and electrochemical properties of titanium dioxide /graphene nano platelets cathode for magnesium battery applications. <b>2016</b> , 28, 117-123	1
1500	A Sustainable Route from Biomass Byproduct Okara to High Content Nitrogen-Doped Carbon Sheets for Efficient Sodium Ion Batteries. <b>2016</b> , 28, 539-45	331
1499	Tuned In Situ Growth of Nanolayered rGO on 3D Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Matrices: A Step toward Long Lasting, High Power Na-Ion Batteries. <b>2016</b> , 3, 1600007	31
1498	Cross-Linked Chitosan as a Polymer Network Binder for an Antimony Anode in Sodium-Ion Batteries. <b>2016</b> , 6, 1502130	74
1497	Facile Synthesis of Nanostructured MnO <sub>2</sub> as Anode Materials for Sodium-Ion Batteries. <b>2016</b> , 2, 196-200	25
1496	Prussian Blue@C Composite as an Ultrahigh-Rate and Long-Life Sodium-Ion Battery Cathode. <b>2016</b> , 26, 5315-5321	241
1495	Two-Dimensional Materials for Beyond-Lithium-Ion Batteries. <b>2016</b> , 6, 1600025	418
1494	Apple-Biowaste-Derived Hard Carbon as a Powerful Anode Material for Na-Ion Batteries. <b>2016</b> , 3, 292-298	162
1493	The Sodium-Oxygen/Carbon Dioxide Electrochemical Cell. <b>2016</b> , 9, 1600-6	13
1492	Carbon-coated rutile titanium dioxide derived from titanium-metal organic framework with enhanced sodium storage behavior. <b>2016</b> , 325, 25-34	70

1491	Towards environmentally friendly Na-ion batteries: Moisture and water stability of Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> . <b>2016</b> , 324, 378-387		29
1490	Influence of Rotational Distortions on Li <sup>+</sup> - and Na <sup>+</sup> -Intercalation in Anti-NASICON Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> . <b>2016</b> , 28, 4492-4500		29
1489	Sb@C coaxial nanotubes as a superior long-life and high-rate anode for sodium ion batteries. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 2314-2318	35.4	356
1488	Sb <sub>2</sub> S <sub>3</sub> embedded in amorphous P/C composite matrix as high-performance anode material for sodium ion batteries. <b>2016</b> , 210, 588-595		47
1487	Potentiodynamic and galvanostatic testing of NaFe <sub>0.95</sub> V <sub>0.05</sub> PO <sub>4</sub> /C composite in aqueous NaNO <sub>3</sub> solution, and the properties of aqueous Na <sub>1.2</sub> V <sub>3</sub> O <sub>8</sub> /NaNO <sub>3</sub> /NaFe <sub>0.95</sub> V <sub>0.05</sub> PO <sub>4</sub> /C battery. <b>2016</b> , 325, 185-193		19
1486	Enhanced conversion reaction kinetics in low crystallinity SnO <sub>2</sub> /CNT anodes for Na-ion batteries. <b>2016</b> , 4, 10964-10973		102
1485	Electrospun TiO <sub>2</sub> /C Nanofibers As a High-Capacity and Cycle-Stable Anode for Sodium-Ion Batteries. <b>2016</b> , 8, 16684-9		107
1484	Ionic liquid-based sodium ion-conducting composite gel polymer electrolytes: effect of active and passive fillers. <b>2016</b> , 20, 2817-2826		44
1483	A Si/C nanocomposite anode by ball milling for highly reversible sodium storage. <b>2016</b> , 70, 8-12		57
1482	Higher voltage plateau cubic Prussian White for Na-ion batteries. <b>2016</b> , 324, 766-773		70
1481	Solvothermal synthesis of Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> nanowires embedded in 3D graphene networks as an anode for high-performance sodium-ion batteries. <b>2016</b> , 211, 430-436		51
1480	Electroactive poly(vinylidene fluoride) fluoride separator for sodium ion battery with high coulombic efficiency. <b>2016</b> , 292, 130-135		59
1479	Synthesis, structural and electrochemical study of O <sub>3</sub> NaNi <sub>0.4</sub> Mn <sub>0.4</sub> Co <sub>0.2</sub> O <sub>2</sub> as a cathode material for Na-ion batteries. <b>2016</b> , 6, 61334-61340		7
1478	Electrospun carbon-based nanostructured electrodes for advanced energy storage [A review]. <b>2016</b> , 5, 58-92		140
1477	An advanced high-energy sodium ion full battery based on nanostructured Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> /VOPO <sub>4</sub> layered materials. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 3399-3405	35.4	196
1476	Development of a macroporous-spherical polyanionic compound (TiO) <sub>2</sub> P <sub>2</sub> O <sub>7</sub> as a novel anode material for sodium ion batteries. <b>2016</b> , 6, 53296-53302		6
1475	Scalable synthesis of self-standing sulfur-doped flexible graphene films as recyclable anode materials for low-cost sodium-ion batteries. <b>2016</b> , 107, 67-73		89
1474	Applications of hierarchically structured porous materials from energy storage and conversion, catalysis, photocatalysis, adsorption, separation, and sensing to biomedicine. <b>2016</b> , 45, 3479-563		904

1473	Pyrolyzed bacterial cellulose-supported SnO <sub>2</sub> nanocomposites as high-capacity anode materials for sodium-ion batteries. <b>2016</b> , 23, 2597-2607	17
1472	NaV <sub>3</sub> (PO <sub>4</sub> ) <sub>3</sub> /C nanocomposite as novel anode material for Na-ion batteries with high stability. <b>2016</b> , 26, 382-391	64
1471	Boron-Doped Anatase TiO <sub>2</sub> as a High-Performance Anode Material for Sodium-Ion Batteries. <b>2016</b> , 8, 16009-15	126
1470	Double-Nanocarbon Synergistically Modified Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> : An Advanced Cathode for High-Rate and Long-Life Sodium-Ion Batteries. <b>2016</b> , 8, 15341-51	102
1469	Polythiophene-Wrapped Olivine NaFePO <sub>4</sub> as a Cathode for Na-Ion Batteries. <b>2016</b> , 8, 15422-9	63
1468	Ultrathin Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Nanosheets as Anode Materials for Lithium and Sodium Storage. <b>2016</b> , 8, 16718-26	77
1467	Characterization of gas diffusion electrodes for metal-air batteries. <b>2016</b> , 324, 646-656	37
1466	High Anodic Performance of Co 1,3,5-Benzenetricarboxylate Coordination Polymers for Li-Ion Battery. <b>2016</b> , 8, 15352-60	135
1465	Room-Temperature Synthesis of Mesoporous Sn/SnO <sub>2</sub> Composite as Anode for Sodium-Ion Batteries. <b>2016</b> , 2016, 1950-1954	16
1464	Graphene-Wrapped Na <sub>2</sub> C <sub>12</sub> H <sub>6</sub> O <sub>4</sub> Nanoflowers as High Performance Anodes for Sodium-Ion Batteries. <b>2016</b> , 12, 583-7	71
1463	High Voltage Mg-Doped Na <sub>0.67</sub> Ni <sub>0.33</sub> Mg <sub>x</sub> Mn <sub>0.70</sub> O <sub>2</sub> (x = 0.05, 0.1) Na-Ion Cathodes with Enhanced Stability and Rate Capability. <b>2016</b> , 28, 5087-5094	171
1462	Ultrafast and Highly Reversible Sodium Storage in Zinc-Antimony Intermetallic Nanomaterials. <b>2016</b> , 26, 543-552	72
1461	High Power-High Energy Sodium Battery Based on Threefold Interpenetrating Network. <b>2016</b> , 28, 2409-16	182
1460	Mesoporous MoS <sub>2</sub> as a Transition Metal Dichalcogenide Exhibiting Pseudocapacitive Li and Na-Ion Charge Storage. <b>2016</b> , 6, 1501937	332
1459	Insertion compounds and composites made by ball milling for advanced sodium-ion batteries. <b>2016</b> , 7, 10308	156
1458	Na-Ion Battery Anodes: Materials and Electrochemistry. <b>2016</b> , 49, 231-40	750
1457	Performance Enhancement and Mechanistic Studies of Room-Temperature Sodium-Sulfur Batteries with a Carbon-Coated Functional Nafion Separator and a Na <sub>2</sub> S/Activated Carbon Nanofiber Cathode. <b>2016</b> , 28, 896-905	136
1456	Probing the Sodiation-Desodiation Reactions in Nano-sized Iron Fluoride Cathode. <b>2016</b> , 191, 307-316	25



1455	A mixed iron-manganese based pyrophosphate cathode, $\text{Na}_2\text{Fe}_{0.5}\text{Mn}_{0.5}\text{P}_2\text{O}_7$ , for rechargeable sodium ion batteries. <b>2016</b> , 18, 3929-35	33
1454	First-Principles Investigation of the $\text{Na}^+$ Ion Transport Property in Oxyfluorinated Titanium(IV) Phosphate $\text{Na}_3\text{Ti}_2\text{P}_2\text{O}_{10}\text{F}$ . <b>2016</b> , 120, 1438-1445	7
1453	Carbon-coated $\text{Mo}_3\text{Sb}_7$ composite as anode material for sodium ion batteries with long cycle life. <b>2016</b> , 307, 173-180	36
1452	Facile synthesis and electrochemical sodium storage of $\text{CoS}_2$ micro/nano-structures. <b>2016</b> , 9, 198-206	122
1451	Na ion- Conducting Ceramic as Solid Electrolyte for Rechargeable Seawater Batteries. <b>2016</b> , 191, 1-7	53
1450	Controllable construction of 3D-skeleton-carbon coated $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ for high-performance sodium ion battery cathode. <b>2016</b> , 20, 11-19	113
1449	Characterization of a reversible, low-polarization sodium-oxygen battery. <b>2016</b> , 191, 516-520	20
1448	Self-assembly of disordered hard carbon/graphene hybrid for sodium-ion batteries. <b>2016</b> , 305, 156-160	58
1447	Encapsulation of organic active materials in carbon nanotubes for application to high-electrochemical-performance sodium batteries. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 1264-1269	113
1446	Significant enhancement of the cycling performance and rate capability of the P/C composite via chemical bonding (PI). <b>2016</b> , 4, 505-511	87
1445	Carbon science in 2016: Status, challenges and perspectives. <b>2016</b> , 98, 708-732	200
1444	Identification of the critical synthesis parameters for enhanced cycling stability of Na-ion anode material $\text{Na}_2\text{Ti}_3\text{O}_7$ . <b>2016</b> , 104, 125-130	24
1443	Mesocrystalline coordination polymer as a promising cathode for sodium-ion batteries. <b>2016</b> , 52, 1957-60	25
1442	Comparison between Na-Ion and Li-Ion Cells: Understanding the Critical Role of the Cathodes Stability and the Anodes Pretreatment on the Cells Behavior. <b>2016</b> , 8, 1867-75	99
1441	$\text{TiO}_2$ -B nanowire arrays coated with layered $\text{MoS}_2$ nanosheets for lithium and sodium storage. <b>2016</b> , 4, 801-806	74
1440	Graphene mediated improved sodium storage in nanocrystalline anatase $\text{TiO}_2$ for sodium ion batteries with ether electrolyte. <b>2016</b> , 52, 1428-31	43
1439	Porous $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ @C nanoparticles enwrapped in three-dimensional graphene for high performance sodium-ion batteries. <b>2016</b> , 4, 1180-1185	95
1438	Transport Phenomena of Nonaqueous Electrolyte Solutions at High Concentrations: A Comparison between the Li- and Na-Systems. <b>2016</b> , 163, H417-H425	12

1437	$P_{2-2x}Na_xCo_yMn_{1-y}O_2$ ( $y = 0, 0.1$ ) as Cathode Materials in Sodium-Ion Batteries: Effects of Doping and Morphology To Enhance Cycling Stability. <b>2016</b> , 28, 2041-2051		124
1436	Inexpensive colloidal SnSb nanoalloys as efficient anode materials for lithium- and sodium-ion batteries. <b>2016</b> , 4, 7053-7059		75
1435	Life cycle assessment of sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 1744-1751	35.4	151
1434	Selective Ionic Transport Pathways in Phosphorene. <b>2016</b> , 16, 2240-7		68
1433	$Na_{1+x}Al_xGe_{2-x}P_3O_{12}$ ( $x = 0.5$ ) glass-ceramic as a solid ionic conductor for sodium ion. <b>2016</b> , 289, 113-117		20
1432	High-performance $NaFePO_4$ formed by aqueous ion-exchange and its mechanism for advanced sodium ion batteries. <b>2016</b> , 4, 4882-4892		86
1431	Polypyrrole-promoted superior cyclability and rate capability of $Na_xFe[Fe(CN)_6]$ cathodes for sodium-ion batteries. <b>2016</b> , 4, 6036-6041		72
1430	$NaFe_3(HPO_3)_2((H,F)PO_2OH)_6$ : A Potential Cathode Material and a Novel Ferrimagnet. <b>2016</b> , 55, 2558-64		10
1429	Amorphous Red Phosphorus Embedded in Highly Ordered Mesoporous Carbon with Superior Lithium and Sodium Storage Capacity. <b>2016</b> , 16, 1546-53		307
1428	Highly Crystallized $Na_{1-x}CoFe(CN)_6$ with Suppressed Lattice Defects as Superior Cathode Material for Sodium-Ion Batteries. <b>2016</b> , 8, 5393-9		220
1427	Sodium ion battery anode properties of designed graphene-layers synthesized from polycyclic aromatic hydrocarbons. <b>2016</b> , 6, 22069-22073		8
1426	Hierarchical nanotubes assembled from MoS <sub>2</sub> -carbon monolayer sandwiched superstructure nanosheets for high-performance sodium ion batteries. <b>2016</b> , 22, 27-37		278
1425	Temperature Dependent Local Structure of $Na_xCoO_2$ Cathode Material for Rechargeable Sodium-Ion Batteries. <b>2016</b> , 120, 4227-4232		23
1424	Development of sodium-conducting polymer electrolytes: comparison between film-casting and films obtained via green processes. <b>2016</b> , 192, 456-466		23
1423	Tin nanoparticles encapsulated in graphene backbone carbonaceous foams as high-performance anodes for lithium-ion and sodium-ion storage. <b>2016</b> , 22, 232-240		119
1422	The facile synthesis and enhanced sodium-storage performance of a chemically bonded CuP <sub>2</sub> /C hybrid anode. <b>2016</b> , 52, 4337-40		107
1421	2D amorphous iron phosphate nanosheets with high rate capability and ultra-long cycle life for sodium ion batteries. <b>2016</b> , 4, 4479-4484		26
1420	Enhancing the Anode Performance of Antimony through Nitrogen-Doped Carbon and Carbon Nanotubes. <b>2016</b> , 120, 3214-3220		52

1419	An ionic-liquid-assisted approach to synthesize a reduced graphene oxide loading iron-based fluoride as a cathode material for sodium-ion batteries. <b>2016</b> , 670, 362-368	16
1418	TiNb <sub>2</sub> O <sub>7</sub> /graphene composites as high-rate anode materials for lithium/sodium ion batteries. <b>2016</b> , 4, 4242-4251	112
1417	Core-shell structured Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C nanocrystals embedded in multi-walled carbon nanotubes: A high-performance cathode for sodium-ion batteries. <b>2016</b> , 287, 36-41	38
1416	Porous Mo <sub>2</sub> N nanobelts as a new anode material for sodium-ion batteries. <b>2016</b> , 172, 56-59	32
1415	Amorphous Phosphorus/Nitrogen-Doped Graphene Paper for Ultrastable Sodium-Ion Batteries. <b>2016</b> , 16, 2054-60	286
1414	Hollow Cobalt Selenide Microspheres: Synthesis and Application as Anode Materials for Na-Ion Batteries. <b>2016</b> , 8, 6449-56	105
1413	Building Self-Healing Alloy Architecture for Stable Sodium-Ion Battery Anodes: A Case Study of Tin Anode Materials. <b>2016</b> , 8, 7147-55	76
1412	A comparative computational study of lithium and sodium insertion into van der Waals and covalent tetracyanoethylene (TCNE)-based crystals as promising materials for organic lithium and sodium ion batteries. <b>2016</b> , 18, 8874-80	34
1411	Cube-shaped Porous Carbon Derived from MOF-5 as Advanced Material for Sodium-Ion Batteries. <b>2016</b> , 196, 413-421	92
1410	Antimony nanoparticles anchored in three-dimensional carbon network as promising sodium-ion battery anode. <b>2016</b> , 304, 340-345	96
1409	Fluoride ion batteries: Theoretical performance, safety, toxicity, and a combinatorial screening of new electrodes. <b>2016</b> , 182, 76-90	136
1408	NASICON-Structured NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @C Nanocomposite as the Low Operation-Voltage Anode Material for High-Performance Sodium-Ion Batteries. <b>2016</b> , 8, 2238-46	124
1407	MoS <sub>2</sub> nanosheets decorated Ni <sub>3</sub> S <sub>2</sub> @MoS <sub>2</sub> coaxial nanofibers: Constructing an ideal heterostructure for enhanced Na-ion storage. <b>2016</b> , 20, 1-10	161
1406	Iron-based sodium-ion full batteries. <b>2016</b> , 4, 1754-1761	38
1405	Preparation of nitrogen- and phosphorous co-doped carbon microspheres and their superior performance as anode in sodium-ion batteries. <b>2016</b> , 99, 556-563	189
1404	Investigation of the Effect of Fluoroethylene Carbonate Additive on Electrochemical Performance of Sb-Based Anode for Sodium-Ion Batteries. <b>2016</b> , 190, 402-408	54
1403	Theoretical investigation of Chevrel phase materials for cathodes accommodating Ca <sup>2+</sup> ions. <b>2016</b> , 306, 431-436	47
1402	A 3.4 V Layered VOPO <sub>4</sub> Cathode for Na-Ion Batteries. <b>2016</b> , 28, 682-688	74

1401	Carbodiimides: new materials applied as anode electrodes for sodium and lithium ion batteries. <b>2016</b> , 4, 1608-1611	48
1400	Expanded graphitic materials prepared from micro- and nanometric precursors as anodes for sodium-ion batteries. <b>2016</b> , 187, 496-507	28
1399	Carbonized-leaf Membrane with Anisotropic Surfaces for Sodium-ion Battery. <b>2016</b> , 8, 2204-10	124
1398	Electrospun nanofibers as a platform for advanced secondary batteries: a comprehensive review. <b>2016</b> , 4, 703-750	288
1397	Effects of defect on the storage and diffusion of Na and Mg interstitials in Si anode. <b>2016</b> , 654, 157-162	7
1396	Reinstating lead for high-loaded efficient negative electrode for rechargeable sodium-ion battery. <b>2016</b> , 304, 1-8	30
1395	Characteristics of an ionic liquid electrolyte for sodium-ion batteries. <b>2016</b> , 303, 203-207	77
1394	Effect of PEDOT:PSS Coating on Manganese Oxide Nanowires for Lithium Ion Battery Anodes. <b>2016</b> , 187, 340-347	35
1393	Amorphous iron phosphate/carbonized polyaniline nanorods composite as cathode material in sodium-ion batteries. <b>2016</b> , 20, 479-487	13
1392	Hydrogen-enriched porous carbon nanosheets with high sodium storage capacity. <b>2016</b> , 98, 213-220	65
1391	Hard carbon nanoparticles as high-capacity, high-stability anodic materials for Na-ion batteries. <b>2016</b> , 19, 279-288	289
1390	SiOC(N)/Hard Carbon Composite Anodes for Na-Ion Batteries: Influence of Morphology on the Electrochemical Properties. <b>2016</b> , 163, A156-A162	19
1389	High-Performance P2-Phase Na <sub>2/3</sub> Mn <sub>0.8</sub> Fe <sub>0.1</sub> Ti <sub>0.1</sub> O <sub>2</sub> Cathode Material for Ambient-Temperature Sodium-Ion Batteries. <b>2016</b> , 28, 106-116	166
1388	A review of carbon materials and their composites with alloy metals for sodium ion battery anodes. <b>2016</b> , 98, 162-178	432
1387	Graphene-based materials for electrochemical energy storage devices: Opportunities and challenges. <b>2016</b> , 2, 107-138	314
1386	Optimization of High Conducting Na <sub>3</sub> Zr <sub>2</sub> Si <sub>2</sub> PO <sub>12</sub> Phase by new Phosphate Salt for Solid Electrolyte. <b>2017</b> , 9, 411-419	3
1385	Mille-feuille shaped hard carbons derived from polyvinylpyrrolidone via environmentally friendly electrostatic spinning for sodium ion battery anodes. <b>2017</b> , 7, 5519-5527	40
1384	Sodium-Ion Batteries: Improving the Rate Capability of 3D Interconnected Carbon Nanofibers Thin Film by Boron, Nitrogen Dual-Doping. <b>2017</b> , 4, 1600468	132

1383	Electrochemical In Situ Synthesis: A New Synthesis Route for Redox Active Manganese Oxides for Rechargeable Sodium Ion Battery through Initial Charge Process. <b>2017</b> , 164, A226-A230	8
1382	Sodium vanadium (III) fluorophosphate/carbon nanotubes composite (NVPF/CNT) prepared by spray-drying: good electrochemical performance thanks to well-dispersed CNT network within NVPF particles. <b>2017</b> , 228, 319-324	40
1381	Synthesis of Cu <sub>2</sub> SnS <sub>3</sub> nanosheets as an anode material for sodium ion batteries. <b>2017</b> , 699, 517-520	22
1380	Ultraconcentrated Sodium Bis(fluorosulfonyl)imide-Based Electrolytes for High-Performance Sodium Metal Batteries. <b>2017</b> , 9, 3723-3732	126
1379	High pressure structural investigation on alluaudites Na <sub>2</sub> Fe <sub>3</sub> (PO <sub>4</sub> ) <sub>3</sub> -Na <sub>2</sub> FeMn <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> system. <b>2017</b> , 247, 156-160	2
1378	Cathode materials for rechargeable aluminum batteries: current status and progress. <b>2017</b> , 5, 5646-5660	114
1377	A 2D Metal Oxide Nanosheet as an Efficient Additive for Improving Na-Ion Electrode Activity of Graphene-Based Nanocomposites. <b>2017</b> , 23, 6544-6551	16
1376	Li-ion vs. Na-ion capacitors: A performance evaluation with coconut shell derived mesoporous carbon and natural plant based hard carbon. <b>2017</b> , 316, 506-513	64
1375	Formation of Zintl Ions and Their Configurational Change during Sodiation in Na-Sn Battery. <b>2017</b> , 17, 679-686	26
1374	Mixed polyanion NaCo <sub>1-x</sub> (VO) <sub>x</sub> PO <sub>4</sub> glass/ceramic cathode: role of Co <sup>3+</sup> structural behaviour and electrochemical performance. <b>2017</b> , 52, 5038-5047	14
1373	Nanostructured intermetallic FeSn <sub>2</sub> -carbonaceous composites as highly stable anode for Na-ion batteries. <b>2017</b> , 343, 296-302	27
1372	Toward high energy density cathode materials for sodium-ion batteries: investigating the beneficial effect of aluminum doping on the P2-type structure. <b>2017</b> , 5, 4467-4477	83
1371	Sodium-intercalated bulk graphdiyne as an anode material for rechargeable batteries. <b>2017</b> , 343, 354-363	51
1370	Enhancing the Cycling Stability of Sodium Metal Electrodes by Building an Inorganic-Organic Composite Protective Layer. <b>2017</b> , 9, 6000-6006	88
1369	Energetics of Na <sup>+</sup> Transport through the Electrode/Cathode Interface in Single Solvent Electrolytes. <b>2017</b> , 164, A580-A586	18
1368	An ECrPO <sub>4</sub> -type NaV <sub>3</sub> (PO <sub>4</sub> ) <sub>3</sub> anode for sodium-ion batteries with excellent cycling stability and the exploration of sodium storage behavior. <b>2017</b> , 5, 3839-3847	23
1367	Phase-Pure P2-Na <sub>0.7</sub> (1-x)[Li <sub>x</sub> Mn <sub>1-x</sub> ]O <sub>2</sub> as a Cathode Material for Na-Ion Batteries. <b>2017</b> , 4, 1287-1294	6
1366	MoS <sub>2</sub> as a long-life host material for potassium ion intercalation. <b>2017</b> , 10, 1313-1321	212

1365	Polycarbonates as alternative electrolyte host materials for solid-state sodium batteries. <b>2017</b> , 77, 58-61	37
1364	Enhancing Sodium-Ion Storage Behaviors in TiNbO by Mechanical Ball Milling. <b>2017</b> , 9, 8696-8703	53
1363	Role of carbon defects in the reversible alloying states of red phosphorus composite anodes for efficient sodium ion batteries. <b>2017</b> , 5, 5266-5272	29
1362	Kelp-derived hard carbons as advanced anode materials for sodium-ion batteries. <b>2017</b> , 5, 5761-5769	112
1361	Review of Nanotechnology for Anode Materials in Batteries. <b>2017</b> , 45-82	4
1360	A novel K-ion battery: hexacyanoferrate(II)/graphite cell. <b>2017</b> , 5, 4325-4330	292
1359	Electrolytes for Li- and Na-Ion Batteries: Concepts, Candidates, and the Role of Nanotechnology. <b>2017</b> , 1-43	7
1358	Electrodeposited NaVO[Fe(CN)] films As a Cathode Material for Aqueous Na-Ion Batteries. <b>2017</b> , 9, 8107-8112	60
1357	An approach to flexible Na-ion batteries with exceptional rate capability and long lifespan using Na <sub>2</sub> FeP <sub>2</sub> O <sub>7</sub> nanoparticles on porous carbon cloth. <b>2017</b> , 5, 5502-5510	49
1356	Chemical bonding between antimony and ionic liquid-derived nitrogen-doped carbon for sodium-ion battery anode. <b>2017</b> , 349, 37-44	63
1355	Small quaternary alkyl phosphonium bis(fluorosulfonyl)imide ionic liquid electrolytes for sodium-ion batteries with P <sub>2</sub> - and O <sub>3</sub> -Na $\frac{2}{3}$ [Fe $\frac{2}{3}$ Mn $\frac{1}{3}$ ]O <sub>2</sub> cathode material. <b>2017</b> , 349, 45-51	30
1354	Electrochemically activated MnO as a cathode material for sodium-ion batteries. <b>2017</b> , 77, 81-84	11
1353	Eco-friendly sol-gel derived sodium-based ormolytes for electrochromic devices. <b>2017</b> , 232, 484-494	9
1352	Origin of high Coulombic loss during sodiation in Na-Sn battery. <b>2017</b> , 343, 513-519	14
1351	Electrochemical performance of Na <sub>0.6</sub> [Li <sub>0.2</sub> Ni <sub>0.2</sub> Mn <sub>0.6</sub> ]O <sub>2</sub> cathodes with high-working average voltage for Na-ion batteries. <b>2017</b> , 5, 5858-5864	30
1350	The staging mechanism of AlCl <sub>3</sub> intercalation in a graphite electrode for an aluminium-ion battery. <b>2017</b> , 19, 7980-7989	104
1349	Synergetic effect of TiO <sub>2</sub> nano filler additives on conductivity and dielectric properties of PEO/PVP nanocomposite electrolytes for electrochemical cell applications. <b>2017</b> , 780, 012006	1
1348	Effect of pyrolysis temperature of 3D graphene/carbon nanotubes anode materials on yield of carbon nanotubes and their electrochemical properties for Na-ion batteries. <b>2017</b> , 317, 793-799	18

1347	LaSrMnO <sub>4</sub> : Reversible Electrochemical Intercalation of Fluoride Ions in the Context of Fluoride Ion Batteries. <b>2017</b> , 29, 3441-3453	69
1346	Free-standing fluorine and nitrogen co-doped graphene paper as a high-performance electrode for flexible sodium-ion batteries. <b>2017</b> , 116, 338-346	100
1345	A Few-Layer SnS <sub>2</sub> /Reduced Graphene Oxide Sandwich Hybrid for Efficient Sodium Storage. <b>2017</b> , 121, 3261-3269	99
1344	Cooperatively assembled, nitrogen-doped, ordered mesoporous carbon/iron oxide nanocomposites for low-cost, long cycle life sodium-ion batteries. <b>2017</b> , 116, 286-293	35
1343	VIV Disproportionation Upon Sodium Extraction From Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> Observed by Operando X-ray Absorption Spectroscopy and Solid-State NMR. <b>2017</b> , 121, 4103-4111	47
1342	Pyrite FeS <sub>2</sub> microspheres anchoring on reduced graphene oxide aerogel as an enhanced electrode material for sodium-ion batteries. <b>2017</b> , 5, 5332-5341	100
1341	Superior Stable and Long Life Sodium Metal Anodes Achieved by Atomic Layer Deposition. <b>2017</b> , 29, 1606663	221
1340	A ZnGeP <sub>2</sub> /C anode for lithium-ion and sodium-ion batteries. <b>2017</b> , 77, 85-88	33
1339	In-situ preparation and electrochemical characterization of submicron sized NaFePO <sub>4</sub> cathode material for sodium-ion batteries. <b>2017</b> , 233, 78-84	34
1338	Facile preparation of a Na <sub>2</sub> MnSiO <sub>4</sub> /C/graphene composite as a high performance cathode for sodium ion batteries. <b>2017</b> , 7, 14145-14151	19
1337	Spray pyrolysis and electrochemical performance of Na <sub>0.44</sub> MnO <sub>2</sub> for sodium-ion battery cathodes. <b>2017</b> , 7, 74-77	15
1336	Graphene-Based Phosphorus-Doped Carbon as Anode Material for High-Performance Sodium-Ion Batteries. <b>2017</b> , 34, 1600315	23
1335	Aluminium-ion batteries: developments and challenges. <b>2017</b> , 5, 6347-6367	204
1334	Sn nanoparticles@nitrogen-doped carbon nanofiber composites as high-performance anodes for sodium-ion batteries. <b>2017</b> , 5, 6277-6283	73
1333	Tuning the Solid Electrolyte Interphase for Selective Li- and Na-Ion Storage in Hard Carbon. <b>2017</b> , 29, 1606860	119
1332	Na-ion batteries based on the inorganic BN nanocluster anodes: DFT studies. <b>2017</b> , 74, 1-7	38
1331	The applications of zeolitic imidazolate framework-8 in electrical energy storage devices: a review. <b>2017</b> , 28, 7532-7543	35
1330	Appraisal of carbon-coated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> acanthospheres from optimized two-step hydrothermal synthesis as a superior anode for sodium-ion batteries. <b>2017</b> , 705, 164-175	16

1329	Polyvinyl Alcohol-derived carbon nanofibers/carbon nanotubes/sulfur electrode with honeycomb-like hierarchical porous structure for the stable-capacity lithium/sulfur batteries. <b>2017</b> , 346, 1-12	44
1328	Extensive Sodium Metal Plating and Stripping in a Highly Concentrated Inorganic/Organic Ionic Liquid Electrolyte through Surface Pretreatment. <b>2017</b> , 4, 986-991	20
1327	Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C/Ag nanocomposite materials for Na-ion batteries obtained by the modified Pechini method. <b>2017</b> , 21, 1615-1624	13
1326	Two-Dimensional Metal Oxide Nanomaterials for Next-Generation Rechargeable Batteries. <b>2017</b> , 29, 1700176	251
1325	Emerging Prototype Sodium-Ion Full Cells with Nanostructured Electrode Materials. <b>2017</b> , 13, 1604181	88
1324	Enhanced electrochemical performance of Na <sub>2/3</sub> [Mn <sub>0.55</sub> Ni <sub>0.30</sub> Co <sub>0.15</sub> ]O <sub>2</sub> positive electrode in sodium-ion batteries by functionalized multi-walled carbon nanotubes. <b>2017</b> , 237, 29-36	21
1323	NaAlTiO, A Novel Anode Material for Sodium Ion Battery. <b>2017</b> , 7, 162	15
1322	Nickel sulfide nanospheres anchored on reduced graphene oxide in situ doped with sulfur as a high performance anode for sodium-ion batteries. <b>2017</b> , 5, 9322-9328	70
1321	Electrochemical performance of Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> /C negative electrode in ionic liquid electrolyte for sodium secondary batteries. <b>2017</b> , 354, 10-15	34
1320	Ab initio prediction and characterization of phosphorene-like SiS and SiSe as anode materials for sodium-ion batteries. <b>2017</b> , 62, 572-578	46
1319	High-performance sodium-ion batteries and flexible sodium-ion capacitors based on Sb <sub>2</sub> X <sub>3</sub> (X = O, S)/carbon fiber cloth. <b>2017</b> , 5, 9169-9176	72
1318	MnO@C nanorods derived from metal-organic frameworks as anode for superiorly stable and long-life sodium-ion batteries. <b>2017</b> , 710, 575-580	34
1317	Improving the electrochemical performance of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode in sodium ion batteries through Ce/V substitution based on rational design and synthesis optimization. <b>2017</b> , 238, 288-297	44
1316	Pectin, Hemicellulose, or Lignin? Impact of the Biowaste Source on the Performance of Hard Carbons for Sodium-Ion Batteries. <b>2017</b> , 10, 2668-2676	97
1315	Dispersion-Assembly Approach to Synthesize Three-Dimensional Graphene/Polymer Composite Aerogel as a Powerful Organic Cathode for Rechargeable Li and Na Batteries. <b>2017</b> , 9, 15549-15556	60
1314	Boosting the adsorption performance of BN nanosheet as an anode of Na-ion batteries: DFT studies. <b>2017</b> , 381, 2010-2015	24
1313	Electrospun NaVPO <sub>4</sub> F/C Nanofibers as Self-Standing Cathode Material for Ultralong Cycle Life Na-Ion Batteries. <b>2017</b> , 7, 1700087	150
1312	SnBiSb alloys as anode materials for sodium ion batteries. <b>2017</b> , 5, 9661-9670	91



1311	Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C synthesized by a facile solid-phase method assisted with agarose as a high-performance cathode for sodium-ion batteries. <b>2017</b> , 5, 10261-10268	57
1310	Microorganism-moulded pomegranate-like Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C nanocomposite for advanced sodium-ion batteries. <b>2017</b> , 5, 9982-9990	40
1309	Na Ti O @N-Doped Carbon Hollow Spheres for Sodium-Ion Batteries with Excellent Rate Performance. <b>2017</b> , 29, 1700989	226
1308	Mechanochemical treatment of maricite-type NaFePO <sub>4</sub> for achieving high electrochemical performance. <b>2017</b> , 21, 2373-2380	12
1307	Methyl-functionalized MoS nanosheets with reduced lattice breathing for enhanced pseudocapacitive sodium storage. <b>2017</b> , 19, 13696-13702	50
1306	Efficient Storing Energy Harvested by Triboelectric Nanogenerators Using a Safe and Durable All-Solid-State Sodium-Ion Battery. <b>2017</b> , 4, 1700072	120
1305	Electrolyte design strategies and research progress for room-temperature sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1075-1101	35.4 320
1304	Atomic-Scale Structure-Property Relationships in Lithium Ion Battery Electrode Materials. <b>2017</b> , 47, 175-198	21
1303	Superionic Behavior and Phase Transition in a Vanthoffite Mineral. <b>2017</b> , 56, 6048-6051	7
1302	Carbon-wrapped four-component Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /Co oxides via sol-gel process for NIB anode material with superior cycling stability. <b>2017</b> , 47, 855-864	2
1301	Fixed-bed assisted synthesis SnO <sub>2</sub> /SnS <sub>2</sub> /CNTs composite for enhanced sodium storage performance. <b>2017</b> , 717, 127-135	22
1300	Novel design and preparation of N-doped graphene decorated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C composite for sodium-ion batteries. <b>2017</b> , 307, 65-72	15
1299	Cubic Crystal-Structured SnTe for Superior Li- and Na-Ion Battery Anodes. <b>2017</b> , 11, 6074-6084	64
1298	Understanding doping strategies in the design of organic electrode materials for Li and Na ion batteries: an electronic structure perspective. <b>2017</b> , 19, 13195-13209	17
1297	A Green Route to a NaFePOF-Based Cathode for Sodium Ion Batteries of High Rate and Long Cycling Life. <b>2017</b> , 9, 16280-16287	52
1296	Emerging 3D-Printed Electrochemical Energy Storage Devices: A Critical Review. <b>2017</b> , 7, 1700127	212
1295	Chemical redox reactions and extended PXRD-characterization of triphylite-type compounds AM <sub>0.5</sub> Fe <sub>0.5</sub> PO <sub>4</sub> (A = Li, Na; M = Mn, Co). <b>2017</b> , 32, S74-S81	
1294	Efficient Aluminum Chloride-Natural Graphite Battery. <b>2017</b> , 29, 4484-4492	157

1293	Low-Cost and High-Performance Hard Carbon Anode Materials for Sodium-Ion Batteries. <b>2017</b> , 2, 1687-1695	98
1292	Multifunctional bio carbon: a coir pith waste derived electrode for extensive energy storage device applications. <b>2017</b> , 7, 23663-23670	19
1291	Enhanced sodium-ion storage of nitrogen-rich hard carbon by NaCl intercalation. <b>2017</b> , 122, 680-686	31
1290	Electrochemical Performances of MoO <sub>2</sub> /C Nanocomposite for Sodium Ion Storage: An Insight into Rate Dependent Charge/Discharge Mechanism. <b>2017</b> , 240, 379-387	41
1289	Pipe-Wire TiO-Sn@Carbon Nanofibers Paper Anodes for Lithium and Sodium Ion Batteries. <b>2017</b> , 17, 3830-3836	242
1288	Adsorption and Formation of Small Na Clusters on Pristine and Double-Vacancy Graphene for Anodes of Na-Ion Batteries. <b>2017</b> , 9, 17076-17084	30
1287	Ilmenite Nanotubes for High Stability and High Rate Sodium-Ion Battery Anodes. <b>2017</b> , 11, 5120-5129	84
1286	Y-Doped Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> compounds for sodium ion battery cathodes: electrochemical performance and analysis of kinetic properties. <b>2017</b> , 5, 10928-10935	76
1285	Research and application progress on key materials for sodium-ion batteries. <b>2017</b> , 1, 986-1006	55
1284	Advanced Cathode Materials for Sodium-Ion Batteries: What Determines Our Choices?. <b>2017</b> , 1, 1700098	146
1283	Amorphous CoS nanoparticle/reduced graphene oxide composite as high-performance anode material for sodium-ion batteries. <b>2017</b> , 43, 9630-9635	28
1282	Compatibility issues between electrodes and electrolytes in solid-state batteries. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1150-1166	35.4 196
1281	Atomic-scale surface modifications and novel electrode designs for high-performance sodium-ion batteries via atomic layer deposition. <b>2017</b> , 5, 10127-10149	46
1280	Cubic-shaped WS <sub>2</sub> nanopetals on a Prussian blue derived nitrogen-doped carbon nanoporous framework for high performance sodium-ion batteries. <b>2017</b> , 5, 10406-10415	77
1279	Nanostructured layered vanadium oxide as cathode for high-performance sodium-ion batteries: a perspective. <b>2017</b> , 7, 152-165	27
1278	Electrochemomechanical degradation of high-capacity battery electrode materials. <b>2017</b> , 89, 479-521	115
1277	Porous FeS nanofibers with numerous nanovoids obtained by Kirkendall diffusion effect for use as anode materials for sodium-ion batteries. <b>2017</b> , 10, 897-907	115
1276	V <sub>5</sub> S <sub>8</sub> @graphite hybrid nanosheets as a high rate-capacity and stable anode material for sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 107-113	35.4 219

1275	Newer polyanionic bio-composite anode for sodium ion batteries. <b>2017</b> , 340, 401-410	6
1274	MoC ultrafine nanoparticles confined in porous graphitic carbon as extremely stable anode materials for lithium- and sodium-ion batteries. <b>2017</b> , 4, 289-295	34
1273	A two-dimensional hybrid of SbO <sub>x</sub> nanoplates encapsulated by carbon flakes as a high performance sodium storage anode. <b>2017</b> , 5, 1160-1167	40
1272	Influence of carbon polymorphism towards improved sodium storage properties of Na <sub>3</sub> V <sub>2</sub> O <sub>2</sub> x (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> -2x. <b>2017</b> , 21, 223-232	21
1271	Density Functional Theory Research into the Reduction Mechanism for the Solvent/Additive in a Sodium-Ion Battery. <b>2017</b> , 10, 786-796	33
1270	Electrochemical properties of P2-type Na <sub>2</sub> /3Ni <sub>1</sub> /3Mn <sub>2</sub> /3O <sub>2</sub> plates synthesized by spray pyrolysis process for sodium-ion batteries. <b>2017</b> , 225, 86-92	33
1269	Free-standing, binder-free polyacrylonitrile/asphalt derived porous carbon fiber ⓈA high capacity anode material for sodium-ion batteries. <b>2017</b> , 189, 206-209	15
1268	Nanocrystalline SnS coated onto reduced graphene oxide: demonstrating the feasibility of a non-graphitic anode with sulfide chemistry for potassium-ion batteries. <b>2017</b> , 53, 8272-8275	164
1267	An optimized Al <sub>2</sub> O <sub>3</sub> layer for enhancing the anode performance of NiCo <sub>2</sub> O <sub>4</sub> nanosheets for sodium-ion batteries. <b>2017</b> , 5, 17881-17888	56
1266	Challenges and Perspectives for NASICON-Type Electrode Materials for Advanced Sodium-Ion Batteries. <b>2017</b> , 29, 1700431	346
1265	Lithium and sodium ion capacitors with high energy and power densities based on carbons from recycled olive pits. <b>2017</b> , 359, 17-26	104
1264	Sb <sub>2</sub> O <sub>3</sub> /MXene(Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> ) hybrid anode materials with enhanced performance for sodium-ion batteries. <b>2017</b> , 5, 12445-12452	190
1263	Nanostructured Na-ion and Li-ion anodes for battery application: A comparative overview. <b>2017</b> , 10, 3942-3969	63
1262	Na <sub>2</sub> Mn <sub>3</sub> O <sub>7</sub> : A Suitable Electrode Material for Na-Ion Batteries?. <b>2017</b> , 29, 4645-4648	49
1261	Carbon Coated Bimetallic Sulfide Hollow Nanocubes as Advanced Sodium Ion Battery Anode. <b>2017</b> , 7, 1700180	112
1260	Amorphous MnO <sub>2</sub> as Cathode Material for Sodium-ion Batteries. <b>2017</b> , 35, 1294-1298	19
1259	Electrochemical properties of BiFeO <sub>3</sub> nanoparticles: Anode material for sodium-ion battery application. <b>2017</b> , 68, 165-171	18
1258	Improved Sodium-Ion Storage Performance of Ultrasmall Iron Selenide Nanoparticles. <b>2017</b> , 17, 4137-4142	105

1257	Graphene Decorated by Indium Sulfide Nanoparticles as High-Performance Anode for Sodium-Ion Batteries. <b>2017</b> , 9, 23723-23730	38
1256	Synthesis of NiS/carbon composites as anodes for high-performance sodium-ion batteries. <b>2017</b> , 21, 3047-3055	40
1255	Prussian blue and its derivatives as electrode materials for electrochemical energy storage. <b>2017</b> , 9, 11-30	204
1254	Engineering hollow polyhedrons structured from carbon-coated CoSe <sub>2</sub> nanospheres bridged by CNTs with boosted sodium storage performance. <b>2017</b> , 5, 13591-13600	160
1253	Room-Temperature Sodium-Sulfur Batteries: A Comprehensive Review on Research Progress and Cell Chemistry. <b>2017</b> , 7, 1602829	206
1252	Structural and electrochemical studies of novel Na <sub>7</sub> V <sub>3</sub> Al(P <sub>2</sub> O <sub>7</sub> ) <sub>4</sub> (PO <sub>4</sub> ) and Na <sub>7</sub> V <sub>2</sub> Al <sub>2</sub> (P <sub>2</sub> O <sub>7</sub> ) <sub>4</sub> (PO <sub>4</sub> ) high-voltage cathode materials for Na-ion batteries. <b>2017</b> , 5, 14365-14376	28
1251	What Do Laser-Induced Transient Techniques Reveal for Batteries? Na- and K-Intercalation from Aqueous Electrolytes as an Example. <b>2017</b> , 9, 20213-20222	16
1250	Zn <sup>2+</sup> doped TiO <sub>2</sub> /C with enhanced sodium-ion storage properties. <b>2017</b> , 43, 10326-10332	9
1249	Enhanced Lithium- and Sodium-Ion Storage in an Interconnected Carbon Network Comprising Electronegative Fluorine. <b>2017</b> , 9, 18790-18798	24
1248	Carbon coated anatase TiO <sub>2</sub> mesocrystals enabling ultrastable and robust sodium storage. <b>2017</b> , 359, 64-70	40
1247	All-Solid-State Na/S Batteries with a Na <sub>3</sub> PS <sub>4</sub> Electrolyte Operating at Room Temperature. <b>2017</b> , 29, 5232-5238	95
1246	In Situ Grown FeO Single Crystallites on Reduced Graphene Oxide Nanosheets as High Performance Conversion Anode for Sodium-Ion Batteries. <b>2017</b> , 9, 19900-19907	68
1245	FeOOH on carbon nanotubes as a cathode material for Na-ion batteries. <b>2017</b> , 8, 147-152	34
1244	A High Power/High Energy Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> Sodium Cathode: Investigation of Transport Parameters, Rational Design and Realization. <b>2017</b> , 29, 5207-5215	109
1243	Sodium polymer electrolytes composed of sulfonated polysulfone and macromolecular/molecular solvents for Na-batteries. <b>2017</b> , 245, 807-813	5
1242	Smart hybridization of Sn <sub>2</sub> Nb <sub>2</sub> O <sub>7</sub> /SnO <sub>2</sub> @3D carbon nanocomposites with enhanced sodium storage performance through self-buffering effects. <b>2017</b> , 5, 13052-13061	21
1241	Structure-designed synthesis of FeS <sub>2</sub> @C yolk-shell nanoboxes as a high-performance anode for sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1576-1580	35-4 411
1240	Evolution of the solid electrolyte interphase on tin phosphide anodes in sodium ion batteries probed by hard x-ray photoelectron spectroscopy. <b>2017</b> , 245, 696-704	33

1239	A novel microstructural reconstruction phenomenon and electrochemical performance of cactus-like SnO <sub>2</sub> /carbon composites as anode materials for Na-ion batteries. <b>2017</b> , 245, 587-596	20
1238	Cobalt disulfide nanoparticles/graphene/carbon nanotubes aerogels with superior performance for lithium and sodium storage. <b>2017</b> , 505, 23-31	33
1237	Improved Na-storage cycling of amorphous-carbon-sheathed Ni <sub>3</sub> S <sub>2</sub> arrays and investigation by in situ TEM characterization. <b>2017</b> , 5, 99-106	17
1236	Intermediate phases in sodium intercalation into MoS <sub>2</sub> nanosheets and their implications for sodium-ion batteries. <b>2017</b> , 38, 342-349	119
1235	Prussian Blue Analogue with Fast Kinetics Through Electronic Coupling for Sodium Ion Batteries. <b>2017</b> , 9, 20306-20312	75
1234	Self-assembly of 3D neat porous carbon aerogels with NaCl as template and flux for sodium-ion batteries. <b>2017</b> , 359, 529-538	41
1233	Na insertion into nanocrystalline Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> spinel: An electrochemical study. <b>2017</b> , 245, 505-511	9
1232	On the Feasibility of Sodium Metal as Pseudo-Reference Electrode in Solid State Electrochemical Cells. <b>2017</b> , 4, 2717-2721	8
1231	Sb-doped SnO <sub>2</sub> /graphene-CNT aerogels for high performance Li-ion and Na-ion battery anodes. <b>2017</b> , 9, 85-95	65
1230	Intercalation of solvated Na-ions into graphite. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1631-1642	35.4 77
1229	A new Na[(FSO <sub>2</sub> )(n-C <sub>4</sub> F <sub>9</sub> SO <sub>2</sub> )N]-based polymer electrolyte for solid-state sodium batteries. <b>2017</b> , 5, 7738-7743	55
1228	Novel Methods for Sodium-Ion Battery Materials. <b>2017</b> , 1, 1600063	70
1227	MoS <sub>2</sub> /cotton-derived carbon fibers with enhanced cyclic performance for sodium-ion batteries. <b>2017</b> , 413, 169-174	21
1226	High performance manganese-based layered oxide cathodes: overcoming the challenges of sodium ion batteries. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1051-1074	35.4 289
1225	Hybrid phosphorene/graphene nanocomposite as an anode material for Na-ion batteries: a first-principles study. <b>2017</b> , 50, 165501	25
1224	Optimization of porous polymer electrolyte for quasi-solid-state electrical double layer supercapacitor. <b>2017</b> , 235, 570-582	55
1223	Bismuth Vanadate and Molybdate: Stable Alloying Anodes for Sodium-Ion Batteries. <b>2017</b> , 29, 2803-2810	29
1222	Advanced anode materials for sodium ion batteries: carbodiimides. <b>2017</b> , 2, 1165-1176	8

1221	Surface Layer Evolution on Graphite During Electrochemical Sodium-tetraglyme Co-intercalation. <b>2017</b> , 9, 12373-12381	38
1220	High-capacity sodium ion battery anodes based on CuO nanosheets and carboxymethyl cellulose binder. <b>2017</b> , 32, 598-605	17
1219	A theoretical method to predict novel organic electrode materials for Na-ion batteries. <b>2017</b> , 134, 42-47	12
1218	Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C cathode material synthesized by normal temperature chemical reduction and sodiation method. <b>2017</b> , 198, 128-131	9
1217	Sodium-ion batteries: present and future. <b>2017</b> , 46, 3529-3614	2356
1216	Carbon-Coated Na Fe (P O ) Cathode Material for High-Rate and Long-Life Sodium-Ion Batteries. <b>2017</b> , 29, 1605535	123
1215	Synthesis of flower-like copper sulfides microspheres as electrode materials for sodium secondary batteries. <b>2017</b> , 677, 70-74	21
1214	Dielectric and electrical behaviours of polymeric (PEO/PVP):NaIO <sub>4</sub> composite for solid electrolytes. <b>2017</b> , 794, 012020	5
1213	Adsorption and diffusion of mono, di, and trivalent ions on two-dimensional TiS. <b>2017</b> , 28, 175401	90
1212	Effect of nano-dispersed silica on the ion-conducting behavior of PMMA-based polymer gel electrolytes containing LiPF <sub>6</sub> . <b>2017</b> , 23, 2685-2695	8
1211	NaV(PO) <sub>4</sub> @nitrogen,sulfur-codoped 3D porous carbon enabling ultra-long cycle life sodium-ion batteries. <b>2017</b> , 9, 6048-6055	35
1210	A Novel Potassium-Ion-Based Dual-Ion Battery. <b>2017</b> , 29, 1700519	359
1209	Ultradispersed nanoarchitecture of SnS nanoparticles/reduced graphene oxide for enhanced sodium storage performance. <b>2017</b> , 498, 153-160	24
1208	Well-ordered mesoporous FeO/C composites as high performance anode materials for sodium-ion batteries. <b>2017</b> , 46, 5025-5032	29
1207	Solving Key Challenges in Battery Research Using In Situ Synchrotron and Neutron Techniques. <b>2017</b> , 7, 1602831	50
1206	Efficient sodium storage: Experimental study of anode with additive-free ether-based electrolyte system. <b>2017</b> , 349, 152-162	9
1205	Anomalously high Na and low Li mobility in intercalated NaTiO. <b>2017</b> , 19, 10036-10041	14
1204	Nanocrystalline FeF <sub>3</sub> and MF <sub>2</sub> (M = Fe, Co, and Mn) from metal trifluoroacetates and their Li(Na)-ion storage properties. <b>2017</b> , 5, 7383-7393	42

1203	New-type $K_{0.7}Fe_{0.5}Mn_{0.5}O_2$ cathode with an expanded and stabilized interlayer structure for high-capacity sodium-ion batteries. <b>2017</b> , 35, 71-78	47
1202	Two-dimensional layered compound based anode materials for lithium-ion batteries and sodium-ion batteries. <b>2017</b> , 499, 17-32	59
1201	Adsorption of Aromatic Decomposition Products from Phenyl-Containing Magnesium-Ion Battery Electrolyte Solutions. <b>2017</b> , 121, 7711-7717	1
1200	Nature-Inspired $NaTiO$ Nanosheets-Formed Three-Dimensional Microflowers Architecture as a High-Performance Anode Material for Rechargeable Sodium-Ion Batteries. <b>2017</b> , 9, 11669-11677	79
1199	Recent progress in layered metal dichalcogenide nanostructures as electrodes for high-performance sodium-ion batteries. <b>2017</b> , 5, 7667-7690	125
1198	Phosphorus nanoparticles combined with cubic boron nitride and graphene as stable sodium-ion battery anodes. <b>2017</b> , 235, 150-157	29
1197	Atomic Layer Deposited Non-Noble Metal Oxide Catalyst for Sodium-Air Batteries: Tuning the Morphologies and Compositions of Discharge Product. <b>2017</b> , 27, 1606662	30
1196	Trends in Aluminium-Based Intercalation Batteries. <b>2017</b> , 7, 1602093	139
1195	Multiangular Rod-Shaped $NaMnO$ as Cathode Materials with High Rate and Long Life for Sodium-Ion Batteries. <b>2017</b> , 9, 3644-3652	84
1194	Amorphous $TiO_2$ inverse opal anode for high-rate sodium ion batteries. <b>2017</b> , 31, 514-524	85
1193	High Temperature Carbonized Grass as a High Performance Sodium Ion Battery Anode. <b>2017</b> , 9, 391-397	94
1192	Three-Dimensional Fibrous Network of $Na MnO$ for Aqueous Sodium-Ion Hybrid Supercapacitors. <b>2017</b> , 23, 2379-2386	51
1191	A Review on Design Strategies for Carbon Based Metal Oxides and Sulfides Nanocomposites for High Performance Li and Na Ion Battery Anodes. <b>2017</b> , 7, 1601424	389
1190	Porous graphdiyne applied for sodium ion storage. <b>2017</b> , 5, 2045-2051	54
1189	The preparation and graphene surface coating $NaTi_2(PO_4)_3$ as cathode material for lithium ion batteries. <b>2017</b> , 399, 624-629	11
1188	Conversion of 1T-MoSe to 2H-MoSSe mesoporous nanospheres for superior sodium storage performance. <b>2017</b> , 9, 1484-1490	78
1187	Facile synthesis of ultrathin $MoS_2/C$ nanosheets for use in sodium-ion batteries. <b>2017</b> , 7, 285-289	27
1186	High Anode Performance of in Situ Formed $Cu_2Sb$ Nanoparticles Integrated on Cu Foil via Replacement Reaction for Sodium-Ion Batteries. <b>2017</b> , 2, 256-262	86

1185	First principles study of the crystal, electronic structure, and diffusion mechanism of polaron-Na vacancy of Na <sub>3</sub> MnPO <sub>4</sub> CO <sub>3</sub> for Na-ion battery applications. <b>2017</b> , 50, 045502	17
1184	In situ atomic-scale observation of reversible sodium ions migration in layered metal dichalcogenide SnS <sub>2</sub> nanostructures. <b>2017</b> , 32, 302-309	60
1183	Fast Na <sup>+</sup> Ion Conduction in NASICON-Type Na <sub>3.4</sub> Sc <sub>2</sub> (SiO <sub>4</sub> ) <sub>0.4</sub> (PO <sub>4</sub> ) <sub>2.6</sub> Observed by <sup>23</sup> Na NMR Relaxometry. <b>2017</b> , 121, 1449-1454	27
1182	Transition Metal Oxyfluorides for Next-Generation Rechargeable Batteries. <b>2017</b> , 3, 146-159	28
1181	Porous carbon spheres as anode materials for sodium - ion batteries with high capacity and long cycling life. <b>2017</b> , 43, 4475-4482	23
1180	Ultrasmall MoS <sub>2</sub> Nanosheets Mosaiced into Nitrogen-Doped Hierarchical Porous Carbon Matrix for Enhanced Sodium Storage Performance. <b>2017</b> , 225, 369-377	31
1179	Recent progress in rational design of anode materials for high-performance Na-ion batteries. <b>2017</b> , 7, 64-114	180
1178	Graphene highly scattered in porous carbon nanofibers: a binder-free and high-performance anode for sodium-ion batteries. <b>2017</b> , 5, 1698-1705	75
1177	A string of nickel hexacyanoferrate nanocubes coaxially grown on a CNT@bipolar conducting polymer as a high-performance cathode material for sodium-ion batteries. <b>2017</b> , 9, 823-831	16
1176	Carbon-coated vanadium selenide as anode for lithium-ion batteries and sodium-ion batteries with enhanced electrochemical performance. <b>2017</b> , 189, 152-155	30
1175	A Novel Tin-Graphite Dual-Ion Battery Based on Sodium-Ion Electrolyte with High Energy Density. <b>2017</b> , 7, 1601963	183
1174	Rechargeable Sodium All-Solid-State Battery. <b>2017</b> , 3, 52-57	240
1173	Electrolytes for electrochemical energy storage. <b>2017</b> , 1, 584-618	148
1172	Facile synthesis of hierarchical fern leaf-like Sb and its application as an additive-free anode for fast reversible Na-ion storage. <b>2017</b> , 5, 1749-1755	38
1171	Effect of Calcination Temperature on a P-type Na <sub>0.6</sub> Mn <sub>0.65</sub> Ni <sub>0.25</sub> Co <sub>0.10</sub> O <sub>2</sub> Cathode Material for Sodium-Ion Batteries. <b>2017</b> , 164, A6308-A6314	24
1170	The effect of structural curvature on the cell voltage of BN nanotube based Na-ion batteries. <b>2017</b> , 229, 167-171	44
1169	Atomic layer deposition for nanomaterial synthesis and functionalization in energy technology. <b>2017</b> , 4, 133-154	119
1168	Mechanisms of Sodium Insertion/Extraction on the Surface of Defective Graphenes. <b>2017</b> , 9, 431-438	15



1167	Recent Progress on Spray Pyrolysis for High Performance Electrode Materials in Lithium and Sodium Rechargeable Batteries. <b>2017</b> , 7, 1601578	92
1166	Advanced Organic Electrode Materials for Rechargeable Sodium-Ion Batteries. <b>2017</b> , 7, 1601792	327
1165	NaTiO Nanoplatelets and Nanosheets Derived from a Modified Exfoliation Process for Use as a High-Capacity Sodium-Ion Negative Electrode. <b>2017</b> , 9, 1416-1425	54
1164	3D Interconnected Carbon Fiber Network-Enabled Ultralong Life Na V (PO ) @Carbon Paper Cathode for Sodium-Ion Batteries. <b>2017</b> , 13, 1603318	52
1163	In operando observation of sodium ion diffusion in a layered sodium transition metal oxide cathode material, P2 NaCoMnO. <b>2017</b> , 53, 1160-1163	11
1162	Zr-doped P2-Na 0.75 Mn 0.55 Ni 0.25 Co 0.05 Fe 0.10 Zr 0.05 O 2 as high-rate performance cathode material for sodium ion batteries. <b>2017</b> , 223, 92-99	65
1161	Single ion conducting sodium ion batteries enabled by a sodium ion exchanged poly(bis(4-carbonyl benzene sulfonyl)imide-co-2,5-diamino benzesulfonic acid) polymer electrolyte. <b>2017</b> , 300, 60-66	20
1160	NiSe Nanooctahedra as an Anode Material for High-Rate and Long-Life Sodium-Ion Battery. <b>2017</b> , 9, 311-316	182
1159	A sustainable synthesis of biomass carbon sheets as excellent performance sodium ion batteries anode. <b>2017</b> , 21, 1305-1312	29
1158	Earth Abundant Fe/Mn-Based Layered Oxide Interconnected Nanowires for Advanced K-Ion Full Batteries. <b>2017</b> , 17, 544-550	297
1157	Preparation of 3D Architecture Graphdiyne Nanosheets for High-Performance Sodium-Ion Batteries and Capacitors. <b>2017</b> , 9, 40604-40613	63
1156	Interconnected CoFeO-Polypyrrole Nanotubes as Anode Materials for High Performance Sodium Ion Batteries. <b>2017</b> , 9, 36927-36935	37
1155	A new layered titanate Na2Li2Ti5O12 as a high-performance intercalation anode for sodium-ion batteries. <b>2017</b> , 5, 22208-22215	13
1154	Ni P@Carbon Core-Shell Nanoparticle-Arched 3D Interconnected Graphene Aerogel Architectures as Anodes for High-Performance Sodium-Ion Batteries. <b>2017</b> , 13, 1702138	96
1153	Electrochemical performance of CuNCN for sodium ion batteries and comparison with ZnNCN and lithium ion batteries. <b>2017</b> , 367, 130-137	26
1152	Self-Healing Chemistry between Organic Material and Binder for Stable Sodium-Ion Batteries. <b>2017</b> , 3, 1050-1062	63
1151	Molecular Dynamics Simulations of Ionic Liquid Based Electrolytes for Na-Ion Batteries: Effects of Force Field. <b>2017</b> , 121, 9957-9968	21
1150	High capacity potassium-ion battery anodes based on black phosphorus. <b>2017</b> , 5, 23506-23512	191

1149	Carbon-Encapsulated Sn@N-Doped Carbon Nanotubes as Anode Materials for Application in SIBs. <b>2017</b> , 9, 37682-37693	39
1148	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. <b>2017</b> , 369, 95-102	21
1147	Synthesis, Crystal Structure, and Electrochemical Properties of Alluaudite Na <sub>1.702</sub> Fe <sub>3</sub> (PO <sub>4</sub> ) <sub>3</sub> as a Sodium-Ion Battery Cathode. <b>2017</b> , 5, 5766-5771	22
1146	Ternary AlCl <sub>3</sub> -Urea-[EMIm]Cl Ionic Liquid Electrolyte for Rechargeable Aluminum-Ion Batteries. <b>2017</b> , 164, A3093-A3100	29
1145	Utilizing the full capacity of carbon black as anode for Na-ion batteries via solvent co-intercalation. <b>2017</b> , 10, 4378-4387	36
1144	Structural and electrochemical properties of Fe-doped Na <sub>2</sub> Mn <sub>3-x</sub> Fe <sub>x</sub> (P <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> cathode material for sodium ion batteries. <b>2017</b> , 370, 114-121	18
1143	Conversion Reaction of Copper Sulfide Based Nanohybrids for Sodium-Ion Batteries. <b>2017</b> , 5, 9802-9808	36
1142	Foam-like CoO@N,S-codoped carbon composites derived from a well-designed N,S-rich Co-MOF for lithium-ion batteries. <b>2017</b> , 5, 22964-22969	79
1141	Polyacrylonitrile Separator for High-Performance Aluminum Batteries with Improved Interface Stability. <b>2017</b> , 9, 38381-38389	40
1140	Synthesis of Co <sub>3</sub> O <sub>4</sub> nanocubes/CNTs composite with enhanced sodium storage performance. <b>2017</b> , 312, 32-37	20
1139	Pinecone biomass-derived hard carbon anodes for high-performance sodium-ion batteries. <b>2017</b> , 7, 41504-41518	18
1138	A general strategy towards carbon nanosheets from triblock polymers as high-rate anode materials for lithium and sodium ion batteries. <b>2017</b> , 5, 19866-19874	63
1137	Tailored Carbon Anodes Derived from Biomass for Sodium-Ion Storage. <b>2017</b> , 5, 8720-8728	61
1136	Facile in situ synthesis of crystalline VOOH-coated VS <sub>2</sub> microflowers with superior sodium storage performance. <b>2017</b> , 5, 20217-20227	47
1135	Aqueous Processing of NaMnO Cathode Material for the Development of Greener Na-Ion Batteries. <b>2017</b> , 9, 34891-34899	51
1134	A Reduced Graphene Oxide/Disodium Terephthalate Hybrid as a High-Performance Anode for Sodium-Ion Batteries. <b>2017</b> , 23, 16586-16592	10
1133	A Venture Synthesis and Fabrication of BiVO <sub>4</sub> as a Highly Stable Anode Material for Na-Ion Batteries. <b>2017</b> , 2, 8187-8195	8
1132	Graphene-induced growth of single crystalline Sb <sub>2</sub> MoO <sub>6</sub> sheets and their sodium storage performance. <b>2017</b> , 5, 21328-21333	22

1131	Advanced Nanostructured Anode Materials for Sodium-Ion Batteries. <b>2017</b> , 13, 1701835	149
1130	Structural-Defect-Controlled Electrochemical Performance of Sodium Ion Batteries with NaCrO <sub>2</sub> Cathodes. <b>2017</b> , 4, 3222-3230	11
1129	Comprehensive Interfacial Mechanisms of LiMnPO <sub>4</sub> -MWCNT Composite ratios in Acidic Aqueous Electrolyte. <b>2017</b> , 253, 93-103	5
1128	Ab initio study of sodium cointercalation with diglyme molecule into graphite. <b>2017</b> , 253, 589-598	20
1127	Electrochemical properties of Na MnFe(CN) <sub>6</sub> ·2H <sub>2</sub> O synthesized in a Taylor-Couette reactor as a Na-ion battery cathode material. <b>2017</b> , 729, 590-596	19
1126	Fast microwave synthesis of SnO <sub>2</sub> @graphene/N-doped carbons as anode materials in sodium ion batteries. <b>2017</b> , 728, 1305-1314	31
1125	Carbon Derived from Pine Needles as a Na-Storage Electrode Material in Dual-Ion Batteries. <b>2017</b> , 1, 1700055	26
1124	One-Pot Synthesis of Antimony-Embedded Silicon Oxycarbide Materials for High-Performance Sodium-Ion Batteries. <b>2017</b> , 27, 1702607	29
1123	Sodium vanadium nitridophosphate Na <sub>3</sub> V(PO <sub>3</sub> ) <sub>3</sub> N as a high-voltage positive electrode material for Na-ion and Li-ion batteries. <b>2017</b> , 84, 14-18	32
1122	Uric Acid as an Electrochemically Active Compound for Sodium-Ion Batteries: Stepwise Na-Storage Mechanisms of Conjugation and Stabilized Carbon Anion. <b>2017</b> , 9, 33934-33940	8
1121	Solvation and Dynamics of Sodium and Potassium in Ethylene Carbonate from ab Initio Molecular Dynamics Simulations. <b>2017</b> , 121, 21913-21920	99
1120	Phosphorene for energy and catalytic application filling the gap between graphene and 2D metal chalcogenides. <b>2017</b> , 4, 042006	38
1119	Ionic Diffusion and Electronic Transport in Eldfellite Na <sub>x</sub> Fe(SO <sub>4</sub> ) <sub>2</sub> . <b>2017</b> , 8,	15
1118	In Situ Construction of 3D Interconnected FeS@Fe <sub>3</sub> C@Graphitic Carbon Networks for High-Performance Sodium-Ion Batteries. <b>2017</b> , 27, 1703390	190
1117	Scalable synthesis of SnS/S-doped graphene composites for superior Li/Na-ion batteries. <b>2017</b> , 9, 14820-14825	78
1116	Co S /Co as a High-Performance Anode for Sodium-Ion Batteries with an Ether-Based Electrolyte. <b>2017</b> , 10, 4778-4785	21
1115	Functionalized few-layer black phosphorus with super-wettability towards enhanced reaction kinetics for rechargeable batteries. <b>2017</b> , 40, 576-586	75
1114	Potassium-ion intercalation in graphite within a potassium-ion battery examined using in situ X-ray diffraction. <b>2017</b> , 32, S43-S48	26

1113	In situ wrapping of the cathode material in lithium-sulfur batteries. <b>2017</b> , 8, 479	112
1112	Influence of crystal phase on TiO <sub>2</sub> nanowire anodes in sodium ion batteries. <b>2017</b> , 5, 20005-20013	28
1111	Core/shell nanostructured Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C/TiO <sub>2</sub> composite nanofibers as a stable anode for sodium-ion batteries. <b>2017</b> , 362, 147-159	39
1110	Water-in-Salt Electrolyte Makes Aqueous Sodium-Ion Battery Safe, Green, and Long-Lasting. <b>2017</b> , 7, 1701189	335
1109	Electrochemical Characterization of Na-Ion Charge-Storage Properties for Nanostructured NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as a Function of Crystalline Order. <b>2017</b> , 164, A2124-A2130	12
1108	First prototypes of hybrid potassium-ion capacitor (KIC): An innovative, cost-effective energy storage technology for transportation applications. <b>2017</b> , 363, 34-43	103
1107	Facile synthesis of carbon-mediated porous nanocrystallite anatase TiO <sub>2</sub> for improved sodium insertion capabilities as an anode for sodium-ion batteries. <b>2017</b> , 362, 283-290	23
1106	Utilizing Co/Co Redox Couple in P2-Layered NaCoMnTiO Cathode for Sodium-Ion Batteries. <b>2017</b> , 4, 1700219	76
1105	Pre-sodiated nickel cobaltite for high-performance sodium-ion capacitors. <b>2017</b> , 362, 358-365	23
1104	Hybrid density functional theory modeling of Ca, Zn, and Al ion batteries using the Chevrel phase MoS cathode. <b>2017</b> , 19, 20684-20690	30
1103	Red phosphorus nanoparticles embedded in porous N-doped carbon nanofibers as high-performance anode for sodium-ion batteries. <b>2017</b> , 9, 170-178	103
1102	Toward a Better Understanding and Optimization of the Electrochemical Activity of Na-Ion TiO Anatase Anodes Using Uniform Nanostructures and Ionic Liquid Electrolytes. <b>2017</b> , 2, 3647-3657	10
1101	Commercial Prospects of Existing Cathode Materials for Sodium Ion Storage. <b>2017</b> , 7, 1700274	83
1100	Facile synthesis of FeSi <sub>4</sub> P <sub>4</sub> and its Sodium Ion Storage Performance. <b>2017</b> , 247, 820-825	7
1099	Highly Reversible Na-Ion Reaction in Nanostructured Sb <sub>2</sub> Te <sub>3</sub> -C Composites as Na-Ion Battery Anodes. <b>2017</b> , 164, A2056-A2064	29
1098	Twisted Perylene Diimides with Tunable Redox Properties for Organic Sodium-Ion Batteries. <b>2017</b> , 7, 1701316	52
1097	Chevrel Phase Mo T (T = S, Se) as Electrodes for Advanced Energy Storage. <b>2017</b> , 13, 1701441	37
1096	Na-Ion Batteries for Large Scale Applications: A Review on Anode Materials and Solid Electrolyte Interphase Formation. <b>2017</b> , 7, 1700463	192

1095	Chemical Synthesis of 3D Graphene-Like Cages for Sodium-Ion Batteries Applications. <b>2017</b> , 7, 1700797	91
1094	Na-Ion Intercalation and Charge Storage Mechanism in 2D Vanadium Carbide. <b>2017</b> , 7, 1700959	113
1093	Kinetically controlled formation of uniform FePO <sub>4</sub> shells and their potential for use in high-performance sodium ion batteries. <b>2017</b> , 9, e414-e414	18
1092	Influence of Indium-Tin Oxide Additive on the Sintering Process and Conductivity of Na <sub>3</sub> Zr <sub>2</sub> Si <sub>2</sub> PO <sub>12</sub> Solid Electrolyte. <b>2017</b> , 46, 6367-6372	8
1091	P2-Type Na <sub>0.67</sub> Mn <sub>0.65</sub> Fe <sub>0.20</sub> Ni <sub>0.15</sub> O <sub>2</sub> Microspheres as a Positive Electrode Material with a Promising Electrochemical Performance for Na-Ion Batteries. <b>2017</b> , 164, A2176-A2182	9
1090	A High-Voltage Aqueous Electrolyte for Sodium-Ion Batteries. <b>2017</b> , 2, 2005-2006	138
1089	Environmentally stable interface of layered oxide cathodes for sodium-ion batteries. <b>2017</b> , 8, 135	166
1088	Few-layer MoS <sub>2</sub> anchored at nitrogen-doped carbon ribbons for sodium-ion battery anodes with high rate performance. <b>2017</b> , 5, 17963-17972	76
1087	P2-type transition metal oxides for high performance Na-ion battery cathodes. <b>2017</b> , 5, 18214-18220	66
1086	Quinone molecules encapsulated in SWCNTs for low-temperature Na ion batteries. <b>2017</b> , 28, 355401	16
1085	Structure Electrochemical Evolution of a Mn-Rich P2 Na <sub>2/3</sub> Fe <sub>0.2</sub> Mn <sub>0.8</sub> O <sub>2</sub> Na-Ion Battery Cathode. <b>2017</b> , 29, 7416-7423	43
1084	Enhanced Performance of P2-Na <sub>0.66</sub> (Mn <sub>0.54</sub> Co <sub>0.13</sub> Ni <sub>0.13</sub> )O <sub>2</sub> Cathode for Sodium-Ion Batteries by Ultrathin Metal Oxide Coatings via Atomic Layer Deposition. <b>2017</b> , 27, 1701870	92
1083	Electrochemical Energy Storage: Current and Emerging Technologies. <b>2017</b> , 1695-1727	3
1082	Structural characterization of layered Na <sub>0.5</sub> Co <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> material as a promising cathode for sodium-ion batteries. <b>2017</b> , 363, 442-449	22
1081	K <sub>0.67</sub> Ni <sub>0.17</sub> Co <sub>0.17</sub> Mn <sub>0.66</sub> O <sub>2</sub> : A cathode material for potassium-ion battery. <b>2017</b> , 82, 150-154	103
1080	Graphene-based composite electrodes for electrochemical energy storage devices: Recent progress and challenges. <b>2017</b> , 6, 48-76	22
1079	In Situ TEM Investigation of ZnO Nanowires during Sodiation and Lithiation Cycling. <b>2017</b> , 1, 1700202	35
1078	Porous Al Current Collector for Dendrite-Free Na Metal Anodes. <b>2017</b> , 17, 5862-5868	179

1077	High-rate capability of Na <sub>2</sub> FePO <sub>4</sub> F nanoparticles by enhancing surface carbon functionality for Na-ion batteries. <b>2017</b> , 5, 18707-18715	46
1076	Aerosol synthesis of trivalent titanium doped titania/carbon composite microspheres with superior sodium storage performance. <b>2017</b> , 10, 4351-4359	38
1075	Effect of Ni-nanoparticles decoration on graphene to enable high capacity sodium-ion battery negative electrodes. <b>2017</b> , 250, 212-218	8
1074	Self-supported mesoporous FeCo <sub>2</sub> O <sub>4</sub> nanosheets as high capacity anode material for sodium-ion battery. <b>2017</b> , 330, 764-773	36
1073	2D sandwich-like nanosheets of ultrafine Sb nanoparticles anchored to graphene for high-efficiency sodium storage. <b>2017</b> , 10, 4360-4367	26
1072	From lithium-ion to sodium-ion battery. <b>2017</b> , 66, 1329-1335	12
1071	A Stable Cross-Linked Binder Network for SnO <sub>2</sub> Anode with Enhanced Sodium-Ion Storage Performance. <b>2017</b> , 2, 11365-11369	9
1070	Self-generated hollow NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanocubes decorated with graphene as a large capacity and long lifetime anode for sodium-ion batteries. <b>2017</b> , 7, 56743-56751	17
1069	A scalable approach to fabricate metal sulfides/graphene/carbon nanotubes composites with superior electrochemical performances for lithium and sodium ion batteries. <b>2017</b> , 258, 764-772	16
1068	Modification of Transition-Metal Redox by Interstitial Water in Hexacyanometalate Electrodes for Sodium-Ion Batteries. <b>2017</b> , 139, 18358-18364	65
1067	A DFT study on graphene, SiC, BN, and AlN nanosheets as anodes in Na-ion batteries. <b>2017</b> , 23, 354	31
1066	Proton-Driven Intercalation and Ion Substitution Utilizing Solid-State Electrochemical Reaction. <b>2017</b> , 139, 17987-17993	8
1065	A flexible SbO/carbon cloth composite as a free-standing high performance anode for sodium ion batteries. <b>2017</b> , 53, 13165-13167	48
1064	Cobalt Sulfide Quantum Dot Embedded N/S-Doped Carbon Nanosheets with Superior Reversibility and Rate Capability for Sodium-Ion Batteries. <b>2017</b> , 11, 12658-12667	275
1063	High Rate Performance of Na <sub>3</sub> V <sub>2</sub> -xCu <sub>x</sub> (PO <sub>4</sub> ) <sub>3</sub> /C Cathodes for Sodium Ion Batteries. <b>2017</b> , 164, A3563-A3569	18
1062	GO-induced preparation of flake-shaped Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @rGO as high-rate and long-life cathodes for sodium-ion batteries. <b>2017</b> , 5, 25276-25281	49
1061	Insights into the Synergistic Roles of Microwave and Fluorination Treatments towards Enhancing the Cycling Stability of P2-Type Na <sub>0.67</sub> [Mg <sub>0.28</sub> Mn <sub>0.72</sub> ]O <sub>2</sub> Cathode Material for Sodium-Ion Batteries. <b>2017</b> , 164, A3362-A3370	10
1060	Polycrystalline soft carbon semi-hollow microrods as anode for advanced K-ion full batteries. <b>2017</b> , 9, 18216-18222	113

1059	Investigation of chloride ion adsorption onto Ti <sub>2</sub> C MXene monolayers by first-principles calculations. <b>2017</b> , 5, 24720-24727	40
1058	Selenium Encapsulated into Metal-Organic Frameworks Derived N-Doped Porous Carbon Polyhedrons as Cathode for Na-Se Batteries. <b>2017</b> , 9, 41339-41346	58
1057	Hierarchical nanotubes constructed from interlayer-expanded MoSe <sub>2</sub> nanosheets as a highly durable electrode for sodium storage. <b>2017</b> , 5, 24859-24866	69
1056	NaFeTiO <sub>4</sub> nanorod/multi-walled carbon nanotubes composite as an anode material for sodium-ion batteries with high performances in both half and full cells. <b>2017</b> , 10, 3585-3595	12
1055	Role of Electrolyte Anions in the NaO <sub>2</sub> Battery: Implications for NaO <sub>2</sub> Solvation and the Stability of the Sodium Solid Electrolyte Interphase in Glyme Ethers. <b>2017</b> , 29, 6066-6075	99
1054	Alloy-Based Anode Materials toward Advanced Sodium-Ion Batteries. <b>2017</b> , 29, 1700622	461
1053	3D free-standing nitrogen-doped reduced graphene oxide aerogel as anode material for sodium ion batteries with enhanced sodium storage. <b>2017</b> , 7, 4886	64
1052	Crystal structure determination of a new sodium vanadium bronze electrochemically formed. <b>2017</b> , 254, 62-68	12
1051	Superior sodium storage in phosphorus@porous multichannel flexible freestanding carbon nanofibers. <b>2017</b> , 9, 112-118	38
1050	Phosphorus-based materials for high-performance rechargeable batteries. <b>2017</b> , 4, 1424-1444	28
1049	Manganese oxide electrode with excellent electrochemical performance for sodium ion batteries by pre-intercalation of K and Na ions. <b>2017</b> , 7, 2219	30
1048	First-Principles Study of Sodium Intercalation in Crystalline Na Si (0 <math>\leq x \leq 1</math>) as Anode Material for Na-ion Batteries. <b>2017</b> , 7, 5350	23
1047	Graphene-coupled nitrogen-enriched porous carbon nanosheets for energy storage. <b>2017</b> , 5, 16732-16739	28
1046	Hierarchical Sb-Ni nanoarrays as robust binder-free anodes for high-performance sodium-ion half and full cells. <b>2017</b> , 10, 3189-3201	31
1045	Review of urban energy transition in the Netherlands and the role of smart energy management. <b>2017</b> , 150, 941-948	25
1044	Electrochemical behavior of carbonic precursor with Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanostructured material in hybrid battery system. <b>2017</b> , 23, 3067-3071	2
1043	Antimony-based intermetallic compounds for lithium-ion and sodium-ion batteries: synthesis, construction and application. <b>2017</b> , 36, 321-338	45
1042	Nitrogen doped hollow MoS <sub>2</sub> /C nanospheres as anode for long-life sodium-ion batteries. <b>2017</b> , 327, 522-529	77

1041	Electrochemical Interaction of Few-Layer Molybdenum Disulfide Composites vs Sodium: New Insights on the Reaction Mechanism. <b>2017</b> , 29, 5886-5895	44
1040	Effect of mixed anions on the physicochemical properties of a sodium containing alkoxyammonium ionic liquid electrolyte. <b>2017</b> , 19, 17461-17468	30
1039	NaV(PO) coated by N-doped carbon from ionic liquid as cathode materials for high rate and long-life Na-ion batteries. <b>2017</b> , 9, 10880-10885	44
1038	NaFB <sub>2</sub> nanocomposite: New type of Na-ion battery cathode material. <b>2017</b> , 10, 4388-4397	11
1037	A Self-Forming Composite Electrolyte for Solid-State Sodium Battery with Ultralong Cycle Life. <b>2017</b> , 7, 1601196	158
1036	The Application of Metal Sulfides in Sodium Ion Batteries. <b>2017</b> , 7, 1601329	395
1035	In Situ Formation of Polysulfonamide Supported Poly(ethylene glycol) Divinyl Ether Based Polymer Electrolyte toward Monolithic Sodium Ion Batteries. <b>2017</b> , 13, 1601530	42
1034	Exfoliated MoS <sub>2</sub> nanosheets confined in 3-D hierarchical carbon nanotube@graphene architecture with superior sodium-ion storage. <b>2017</b> , 5, 355-363	62
1033	Amorphous MoS <sub>3</sub> Infiltrated with Carbon Nanotubes as an Advanced Anode Material of Sodium-Ion Batteries with Large Gravimetric, Areal, and Volumetric Capacities. <b>2017</b> , 7, 1601602	119
1032	An Electrolyte for Reversible Cycling of Sodium Metal and Intercalation Compounds. <b>2017</b> , 10, 401-408	67
1031	The electrochemical performance of Cu <sub>3</sub> [Fe(CN) <sub>6</sub> ] <sub>2</sub> as a cathode material for sodium-ion batteries. <b>2017</b> , 86, 194-200	23
1030	Long life anode material sodium titanate synthesized by a moderate method. <b>2017</b> , 186, 326-329	3
1029	An Iodine Quantum Dots Based Rechargeable Sodium-Iodine Battery. <b>2017</b> , 7, 1601885	80
1028	Materials Methods: NMR in Battery Research. <b>2017</b> , 29, 213-242	196
1027	Preparation of Mg <sub>1.1</sub> Mn <sub>6</sub> O <sub>12</sub> ·4.5H <sub>2</sub> O with nanobelt structure and its application in aqueous magnesium-ion battery. <b>2017</b> , 338, 136-144	51
1026	Greigite FeS as a new anode material for high-performance sodium-ion batteries. <b>2017</b> , 8, 160-164	99
1025	Observation on the electrochemical reactions of Li <sub>3-x</sub> Na <sub>x</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> (0 ≤ x ≤ 3) as cathode materials for rechargeable batteries. <b>2017</b> , 690, 31-41	13
1024	Co-substitution effect on the structural, electrical, and electrochemical properties of nanostructured Co <sub>x</sub> Ni <sub>1-x</sub> Mn <sub>2</sub> P <sub>2</sub> O <sub>7</sub> (x = 0, 0.25, 0.5, and 0.75). <b>2017</b> , 23, 55-67	3



1023	Origins of Bistability and Na Ion Mobility Difference in P2- and O3-Na <sub>2</sub> /3Fe <sub>2</sub> /3Mn <sub>1</sub> /3O <sub>2</sub> Cathode Polymorphs. <b>2017</b> , 7, 1601477	75
1022	Influence of sol-gel precursors on the electrochemical performance of NaMn <sub>0.33</sub> Ni <sub>0.33</sub> Co <sub>0.33</sub> O <sub>2</sub> positive electrode for sodium-ion battery. <b>2017</b> , 23, 645-653	6
1021	Exceptional energy and new insight with a sodium-selenium battery based on a carbon nanosheet cathode and a pseudographite anode. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 153-165	35-4 155
1020	Wrinkled Graphene-Reinforced Nickel Sulfide Thin Film as High-Performance Binder-Free Anode for Sodium-Ion Battery. <b>2017</b> , 33, 775-780	16
1019	Ni <sub>3</sub> S <sub>2</sub> nanosheet-anchored carbon submicron tube arrays as high-performance binder-free anodes for Na-ion batteries. <b>2017</b> , 4, 131-138	17
1018	Rape seed shuck derived-lamellar hard carbon as anodes for sodium-ion batteries. <b>2017</b> , 695, 632-637	55
1017	S-Doped N-Rich Carbon Nanosheets with Expanded Interlayer Distance as Anode Materials for Sodium-Ion Batteries. <b>2017</b> , 29, 1604108	468
1016	Synthesis and electrochemical performance of P2-Na <sub>0.67</sub> Al <sub>x</sub> Co <sub>1-x</sub> O <sub>2</sub> (0.0 ≤ x ≤ 0.5) nanopowders for sodium-ion capacitors. <b>2017</b> , 23, 731-739	33
1015	N, S co-doped porous carbon nanospheres with a high cycling stability for sodium ion batteries. <b>2017</b> , 32, 517-526	21
1014	Sol-Gel Synthesized Antimony Anodes for Sodium-Ion Batteries: Identifying Key Parameters for Optimization. <b>2017</b> , 3, 20	3
1013	A Review of Theoretical Studies on Functionalized Graphene for Electrochemical Energy Conversion and Storage Applications. <b>2017</b> , 6, 244-265	1
1012	Influence of Using Metallic Na on the Interfacial and Transport Properties of Na-Ion Batteries. <b>2017</b> , 3, 16	15
1011	Synthesis, Structure, and Sodium Mobility of Sodium Vanadium Nitridophosphate: A Zero-Strain and Safe High Voltage Cathode Material for Sodium-Ion Batteries. <b>2017</b> , 10, 889	21
1010	Enhanced Electrochemical Properties of Bi Nanowires as Anode Materials in Lithium and Sodium Batteries. <b>2017</b> , 13,	2
1009	High energy density supercapacitive material based on a ternary hybrid nanocomposite of cobalt hexacyanoferrate/carbon nanofibers/polypyrrole. <b>2018</b> , 268, 411-423	30
1008	Graphite as Cointercalation Electrode for Sodium-Ion Batteries: Electrode Dynamics and the Missing Solid Electrolyte Interphase (SEI). <b>2018</b> , 8, 1702724	135
1007	Theoretical investigation of the use of nanocages with an adsorbed halogen atom as anode materials in metal-ion batteries. <b>2018</b> , 24, 64	4
1006	Electrochemical Synthesis of Battery Electrode Materials from Ionic Liquids. <b>2018</b> , 376, 9	5

1005	Interfaces in solid-state sodium-ion batteries: NaCoO <sub>2</sub> thin films on solid electrolyte substrates. <b>2018</b> , 268, 226-233	13
1004	In-situ transformation into MoSe <sub>2</sub> /MoO <sub>3</sub> heterogeneous nanostructures with enhanced electrochemical performance as anode material for sodium ion battery. <b>2018</b> , 743, 410-418	29
1003	Polypyrenes as High-Performance Cathode Materials for Aluminum Batteries. <b>2018</b> , 30, e1705644	122
1002	CuP <sub>2</sub> /C Composite Negative Electrodes for Sodium Secondary Batteries Operating at Room-to-Intermediate Temperatures Utilizing Ionic Liquid Electrolyte. <b>2018</b> , 5, 1340-1344	18
1001	Two-dimensional coupling: Sb nanoplates embedded in MoS <sub>2</sub> nanosheets as efficient anode for advanced sodium ion batteries. <b>2018</b> , 211, 375-381	8
1000	Binding Sulfur-Doped Nb <sub>2</sub> O <sub>5</sub> Hollow Nanospheres on Sulfur-Doped Graphene Networks for Highly Reversible Sodium Storage. <b>2018</b> , 28, 1800394	79
999	A super-long life rechargeable aluminum battery. <b>2018</b> , 320, 70-75	31
998	Mo-doped Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @C composites for high stable sodium ion battery cathode. <b>2018</b> , 12, 53-63	20
997	Reduced Graphene Oxide-Incorporated SnSb@CNF Composites as Anodes for High-Performance Sodium-Ion Batteries. <b>2018</b> , 10, 9696-9703	34
996	Graphene Oxide-Supported Bi <sub>2</sub> Te <sub>3</sub> Telluride Composite for Sodium- and Lithium-Ion Battery Anodes. <b>2018</b> , 6, 127-133	26
995	Mesoporous MXene powders synthesized by acid induced crumpling and their use as Na-ion battery anodes. <b>2018</b> , 6, 230-235	85
994	DFT Investigation of the Potential of B <sub>21</sub> N <sub>21</sub> and Al <sub>21</sub> P <sub>21</sub> Nanocages as Anode Electrodes in Metal Ion Batteries. <b>2018</b> , 29, 879-887	2
993	The effect of electric field on the cell voltage of inorganic AlN nanosheet based Na <sup>+</sup> /Bn batteries. <b>2018</b> , 91, 29-34	8
992	Engineering Anisotropically Curved Nitrogen-Doped Carbon Nanosheets with Recyclable Binary Flux for Sodium-Ion Storage. <b>2018</b> , 11, 1334-1343	9
991	3.0 V High Energy Density Symmetric Sodium-Ion Battery: NaV(PO) <sub>3</sub>   NaV(PO) <sub>3</sub> . <b>2018</b> , 10, 10022-10028	56
990	Rubber-based carbon electrode materials derived from dumped tires for efficient sodium-ion storage. <b>2018</b> , 47, 4885-4892	6
989	Hydrogenated defective graphene as an anode material for sodium and calcium ion batteries: A density functional theory study. <b>2018</b> , 136, 73-84	36
988	Room-temperature pre-reduction of spinning solution for the synthesis of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C nanofibers as high-performance cathode materials for Na-ion batteries. <b>2018</b> , 274, 233-241	67

987	High-Performance Sodium Metal Anodes Enabled by a Bifunctional Potassium Salt. <b>2018</b> , 130, 9207-9210	40
986	An O3-type Oxide with Low Sodium Content as the Phase-Transition-Free Anode for Sodium-Ion Batteries. <b>2018</b> , 57, 7056-7060	57
985	Xanthoceras sorbifolia husks-derived porous carbon for sodium-ion and lithium-sulfur batteries. <b>2018</b> , 85, 104-111	15
984	An O3-type Oxide with Low Sodium Content as the Phase-Transition-Free Anode for Sodium-Ion Batteries. <b>2018</b> , 130, 7174-7178	13
983	Controlled construction of 3D self-assembled VS4 nanoarchitectures as high-performance anodes for sodium-ion batteries. <b>2018</b> , 274, 334-342	33
982	Dominant role of orbital splitting in determining cathode potential in O3 NaTMO2 compounds. <b>2018</b> , 388, 1-4	5
981	Understanding the Electrochemical Mechanisms Induced by Gradient Mg <sup>2+</sup> Distribution of Na-Rich Na <sub>3+x</sub> V <sub>2</sub> Mg <sub>x</sub> (PO <sub>4</sub> ) <sub>3</sub> /C for Sodium Ion Batteries. <b>2018</b> , 30, 2498-2505	68
980	Toward High Performance Lithium-Sulfur Batteries Based on Li <sub>2</sub> S Cathodes and Beyond: Status, Challenges, and Perspectives. <b>2018</b> , 28, 1800154	81
979	Pyrolytic Carbon Nanosheets for Ultrafast and Ultrastable Sodium-Ion Storage. <b>2018</b> , 14, e1703043	19
978	An interpenetrating 3D porous reticular Nb <sub>2</sub> O <sub>5</sub> @carbon thin film for superior sodium storage. <b>2018</b> , 48, 448-455	75
977	Electrodeposited Na <sub>2</sub> Ni[Fe(CN) <sub>6</sub> ] Thin-Film Cathodes Exposed to Simulated Aqueous Na-Ion Battery Conditions. <b>2018</b> , 122, 8760-8768	31
976	High-energy nanostructured Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> O <sub>1.6</sub> F <sub>1.4</sub> cathodes for sodium-ion batteries and a new insight into their redox chemistry. <b>2018</b> , 6, 8340-8348	26
975	NASICON-structured Na <sub>3.1</sub> Zr <sub>1.95</sub> Mg <sub>0.05</sub> Si <sub>2</sub> PO <sub>12</sub> solid electrolyte for solid-state sodium batteries. <b>2018</b> , 37, 480-487	32
974	Nanoconfined SnS in 3D interconnected macroporous carbon as durable anodes for lithium/sodium ion batteries. <b>2018</b> , 134, 222-231	94
973	Tuning the component ratio and corresponding sodium storage properties of layer-tunnel hybrid Na <sub>0.6</sub> Mn <sub>1-x</sub> Ni <sub>x</sub> O <sub>2</sub> cathode by a simple cationic Ni <sup>2+</sup> doping strategy. <b>2018</b> , 273, 63-70	17
972	Formation Dynamics of Potassium-Based Graphite Intercalation Compounds: An Ab Initio Study. <b>2018</b> , 9,	2
971	Intercalated Water and Organic Molecules for Electrode Materials of Rechargeable Batteries. <b>2018</b> , 30, e1705851	50
970	Research progress on vanadium-based cathode materials for sodium ion batteries. <b>2018</b> , 6, 8815-8838	121

969	High-Performance Sodium Metal Anodes Enabled by a Bifunctional Potassium Salt. <b>2018</b> , 57, 9069-9072	98
968	Fluoroethylene Carbonate-Based Electrolyte with 1 M Sodium Bis(fluorosulfonyl)imide Enables High-Performance Sodium Metal Electrodes. <b>2018</b> , 10, 15270-15280	85
967	Gradient substitution: an intrinsic strategy towards high performance sodium storage in Prussian blue-based cathodes. <b>2018</b> , 6, 8947-8954	39
966	A self-buffering structure for application in high-performance sodium-ion batteries. <b>2018</b> , 15, 242-248	14
965	NaV3O8 with superior rate capability and cycle stability as cathode materials for sodium-ion batteries. <b>2018</b> , 24, 943-949	12
964	How do demand response and electrical energy storage affect (the need for) a capacity market?. <b>2018</b> , 214, 39-62	36
963	Sodium and Sodium-Ion Batteries: 50 Years of Research. <b>2018</b> , 8, 1703137	494
962	Solid-State Sodium Batteries. <b>2018</b> , 8, 1703012	275
961	Sodium-Ion Battery Electrolytes: Modeling and Simulations. <b>2018</b> , 8, 1703036	63
960	Transition Metal Sulfides Based on Graphene for Electrochemical Energy Storage. <b>2018</b> , 8, 1703259	479
959	Multi-heteroatom doped carbon coated NaV(PO) derived from ionic liquids. <b>2018</b> , 47, 4259-4266	25
958	Electrochemical properties of stanene as an efficient anode material for Na-ion batteries. <b>2018</b> , 14, 84-88	7
957	High-rate FeS <sub>2</sub> /CNT neural network nanostructure composite anodes for stable, high-capacity sodium-ion batteries. <b>2018</b> , 46, 117-127	162
956	Rational Synthesis and Assembly of NiS Nanorods for Enhanced Electrochemical Sodium-Ion Storage. <b>2018</b> , 12, 1829-1836	81
955	Free-standing and flexible organic cathode based on aromatic carbonyl compound/carbon nanotube composite for lithium and sodium organic batteries. <b>2018</b> , 517, 72-79	39
954	Recent Advances in Layered Ti C T MXene for Electrochemical Energy Storage. <b>2018</b> , 14, e1703419	478
953	Amorphous Red Phosphorus Embedded in Sandwiched Porous Carbon Enabling Superior Sodium Storage Performances. <b>2018</b> , 14, e1703472	46
952	Sandwich-like Na <sub>0.23</sub> TiO <sub>2</sub> nanobelt/Ti <sub>3</sub> C <sub>2</sub> MXene composites from a scalable in situ transformation reaction for long-life high-rate lithium/sodium-ion batteries. <b>2018</b> , 46, 20-28	109

951	Synthesis of uniform hierarchical Na <sub>3</sub> V <sub>1.95</sub> Mn <sub>0.05</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> @C hollow microspheres as a cathode material for sodium-ion batteries. <b>2018</b> , 6, 4525-4534	65
950	Engraving Electrolyte and Ion-Transport Tunnels in a Holey Carbon Nanosheet Array for Fast Sodium Ion Storage. <b>2018</b> , 4, 379-386	6
949	The effect of cation chemistry on physicochemical behaviour of superconcentrated NaFSI based ionic liquid electrolytes and the implications for Na battery performance. <b>2018</b> , 268, 94-100	20
948	A mesoporous antimony-based nanocomposite for advanced sodium ion batteries. <b>2018</b> , 13, 247-256	53
947	Cation-mixing stabilized layered oxide cathodes for sodium-ion batteries. <b>2018</b> , 63, 376-384	50
946	Density functional theory calculations for evaluation of phosphorene as a potential anode material for magnesium batteries.. <b>2018</b> , 8, 7196-7204	47
945	P2-type Na <sub>0.67</sub> Mn <sub>0.6</sub> Fe <sub>0.4-x-y</sub> Zn <sub>x</sub> Ni <sub>y</sub> O <sub>2</sub> cathode material with high-capacity for sodium-ion battery. <b>2018</b> , 24, 1939-1946	8
944	Few-Layer Antimonene: Anisotropic Expansion and Reversible Crystalline-Phase Evolution Enable Large-Capacity and Long-Life Na-Ion Batteries. <b>2018</b> , 12, 1887-1893	135
943	Beyond Insertion for Na-Ion Batteries: Nanostructured Alloying and Conversion Anode Materials. <b>2018</b> , 8, 1702582	173
942	Prussian Blue Cathode Materials for Sodium-Ion Batteries and Other Ion Batteries. <b>2018</b> , 8, 1702619	299
941	Conversion-Based Cathode Materials for Rechargeable Sodium Batteries. <b>2018</b> , 8, 1702646	50
940	Reversible Redox Chemistry of Azo Compounds for Sodium-Ion Batteries. <b>2018</b> , 57, 2879-2883	106
939	Towards enhanced sodium storage by investigation of the Li ion doping and rearrangement mechanism in Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> for sodium ion batteries. <b>2018</b> , 6, 4209-4218	38
938	Reversible Redox Chemistry of Azo Compounds for Sodium-Ion Batteries. <b>2018</b> , 130, 2929-2933	25
937	Layered P <sub>2</sub> O <sub>3</sub> sodium-ion cathodes derived from earth abundant elements. <b>2018</b> , 6, 3552-3559	52
936	Sulfur-containing bimetallic metal organic frameworks with multi-fold helix as anode of lithium ion batteries. <b>2018</b> , 47, 4827-4832	21
935	One-dimensional nanomaterials for energy storage. <b>2018</b> , 51, 113002	36
934	Effect of Ti-doping on the electrochemical performance of sodium vanadium(iii) phosphate.. <b>2018</b> , 8, 5523-5531	23

933	Silicon oxycarbide produced from silicone oil for high-performance anode material in sodium ion batteries. <b>2018</b> , 338, 126-136	42
932	Renewable juglone nanowires with size-dependent charge storage properties.. <b>2018</b> , 8, 2077-2081	10
931	Oxygen redox in hexagonal layered Na <sub>x</sub> TMO <sub>3</sub> (TM = 4d elements) for high capacity Na ion batteries. <b>2018</b> , 6, 3747-3753	23
930	Pyromellitic dianhydride-based polyimide anodes for sodium-ion batteries. <b>2018</b> , 265, 702-708	28
929	Folding Graphene Film Yields High Areal Energy Storage in Lithium-Ion Batteries. <b>2018</b> , 12, 1739-1746	94
928	Nanospace confined N,P co-doped carbon foams as anode for highly reversible and high capacity sodium ions batteries. <b>2018</b> , 810, 207-215	11
927	Advanced Architectures and Relatives of Air Electrodes in Zn-Air Batteries. <b>2018</b> , 5, 1700691	430
926	Understanding Fundamentals and Reaction Mechanisms of Electrode Materials for Na-Ion Batteries. <b>2018</b> , 14, e1703338	69
925	Readiness Level of Sodium-Ion Battery Technology: A Materials Review. <b>2018</b> , 2, 1700153	103
924	Aluminum Chloride-Graphite Batteries with Flexible Current Collectors Prepared from Earth-Abundant Elements. <b>2018</b> , 5, 1700712	60
923	Self-standing Na-storage anode of Fe <sub>2</sub> O <sub>3</sub> nanodots encapsulated in porous N-doped carbon nanofibers with ultra-high cyclic stability. <b>2018</b> , 11, 4026-4037	35
922	Graphene-immobilized flower-like Ni <sub>3</sub> S <sub>2</sub> nanoflakes as a stable binder-free anode material for sodium-ion batteries. <b>2018</b> , 25, 88-93	18
921	Amorphous mesoporous GeO anode for Na-ion batteries with high capacity and long lifespan. <b>2018</b> , 5, 171477	8
920	Synthesis of Iron Phosphate and Their Composites for Lithium/Sodium Ion Batteries. <b>2018</b> , 2, 1700154	12
919	Layered Molybdenum (Oxy) Pyrophosphate (MoO <sub>2</sub> ) <sub>2</sub> P <sub>2</sub> O <sub>7</sub> as a Cathode Material for Sodium-Ion Batteries. <b>2018</b> , 5, 1032-1036	10
918	Electrolytes, SEI Formation, and Binders: A Review of Nonelectrode Factors for Sodium-Ion Battery Anodes. <b>2018</b> , 14, e1703576	166
917	Hybrid biopolymer electrodes for lithium- and sodium-ion batteries in organic electrolytes. <b>2018</b> , 2, 836-842	20
916	Amorphous PS/C Composite as High-Performance Anode Materials for Sodium-Ion Batteries. <b>2018</b> , 10, 16-20	13

915	Microporous ceramic coated separators with superior wettability for enhancing the electrochemical performance of sodium-ion batteries. <b>2018</b> , 376, 184-190	30
914	Controlled phase stability of highly Na-active triclinic structure in nanoscale high-voltage $\text{Na}_2\text{-}2\text{xCo}_1\text{+xP}_2\text{O}_7$ cathode for Na-ion batteries. <b>2018</b> , 377, 121-127	5
913	Direct chitin conversion to N-doped amorphous carbon nanofibers for high-performing full sodium-ion batteries. <b>2018</b> , 45, 220-228	134
912	Structural study of $\text{Na}_2/3[\text{Ni}_1/3\text{Ti}_2/3]\text{O}_2$ using neutron diffraction and atomistic simulations. <b>2018</b> , 314, 17-24	2
911	Dual Anion Insertion Reversible Insertion in a Bipyridinium Diamide Triad as the Negative Electrode for Aqueous Batteries. <b>2018</b> , 8, 1701988	33
910	$\text{MoS}_2$ /Graphene Nanosheets from Commercial Bulky $\text{MoS}_2$ and Graphite as Anode Materials for High Rate Sodium-Ion Batteries. <b>2018</b> , 8, 1702383	275
909	Carbon-Supported Nickel Selenide Hollow Nanowires as Advanced Anode Materials for Sodium-Ion Batteries. <b>2018</b> , 14, 1702669	64
908	A Freestanding and Long-Life Sodium-Selenium Cathode by Encapsulation of Selenium into Microporous Multichannel Carbon Nanofibers. <b>2018</b> , 14, 1703252	59
907	Modifying the ORR route by the addition of lithium and potassium salts in Na- $\text{O}_2$ batteries. <b>2018</b> , 263, 102-109	10
906	Electrochemical intercalation of fullerene and hydrofullerene with sodium. <b>2018</b> , 130, 11-18	16
905	Significantly improved performance of red phosphorus sodium-ion anodes with the addition of iron. <b>2018</b> , 266, 178-184	15
904	Nitrogen/sulfur co-doped hollow carbon nanofiber anode obtained from polypyrrole with enhanced electrochemical performance for Na-ion batteries. <b>2018</b> , 63, 126-132	19
903	Resorcinol-formaldehyde derived carbon xerogels: A promising anode material for lithium-ion battery. <b>2018</b> , 33, 1074-1087	12
902	Electrochemical performance and structure of $\text{Al}_2\text{W}_3\text{-}M\text{O}_x\text{O}_{12}$ . <b>2018</b> , 20, 1352-1360	12
901	Vacancy-Controlled Na Superior Conduction in Na Sn PS. <b>2018</b> , 57, 1351-1355	103
900	Nanocomposite Materials for the Sodium-Ion Battery: A Review. <b>2018</b> , 14, 1702514	178
899	Solvation Structure of Sodium Bis(fluorosulfonyl)imide-Glyme Solvate Ionic Liquids and Its Influence on Cycling of Na-MNC Cathodes. <b>2018</b> , 122, 275-289	30
898	Toward Safe and Sustainable Batteries: $\text{Na}_4\text{Fe}_3(\text{PO}_4)_2\text{P}_2\text{O}_7$ as a Low-Cost Cathode for Rechargeable Aqueous Na-Ion Batteries. <b>2018</b> , 122, 133-142	39

897	Recent Progress in Porous Graphene and Reduced Graphene Oxide-Based Nanomaterials for Electrochemical Energy Storage Devices. <b>2018</b> , 5, 1701212	68
896	High Rate Capability and Enhanced Cyclability of Na V (PO ) F Cathode by In Situ Coating of Carbon Nanofibers for Sodium-Ion Battery Applications. <b>2018</b> , 24, 2913-2919	24
895	Micro/Nanostructured Materials for Sodium Ion Batteries and Capacitors. <b>2018</b> , 14, 1702961	173
894	Na <sub>3</sub> Si <sub>2</sub> Y <sub>0.16</sub> Zr <sub>1.84</sub> PO <sub>12</sub> -ionic liquid hybrid electrolytes: An approach for realizing solid-state sodium-ion batteries?. <b>2018</b> , 383, 157-163	15
893	Highly reversible and fast sodium storage boosted by improved interfacial and surface charge transfer derived from the synergistic effect of heterostructures and pseudocapacitance in SnO-based anodes. <b>2018</b> , 10, 2301-2309	35
892	The origin of excellent rate and cycle performance of Sn <sub>4</sub> P <sub>3</sub> binary electrodes for sodium-ion batteries. <b>2018</b> , 6, 1772-1779	30
891	Facile synthesis of three-dimensional porous carbon networks for highly stable sodium storage. <b>2018</b> , 24, 3065-3073	3
890	Advancement of technology towards developing Na-ion batteries. <b>2018</b> , 378, 268-300	101
889	Structural evolution and stability of Sc(WO) after discharge in a sodium-based electrochemical cell. <b>2018</b> , 47, 1251-1260	10
888	Vacancy-Controlled Na <sup>+</sup> Superion Conduction in Na <sub>11</sub> Sn <sub>2</sub> PS <sub>12</sub> . <b>2018</b> , 130, 1365-1369	23
887	A sustainable route from corn stalks to N, P-dual doping carbon sheets toward high performance sodium-ion batteries anode. <b>2018</b> , 130, 664-671	91
886	First-principles study of mixed eldfellite compounds Na <sub>x</sub> (Fe <sub>1/2</sub> M <sub>1/2</sub> )(SO <sub>4</sub> ) <sub>2</sub> (x=0.2, M = Mn, Co, Ni): A new family of high electrode potential cathodes for the sodium-ion battery. <b>2018</b> , 378, 375-382	12
885	Surface transformation by a cocktail solvent enables stable cathode materials for sodium ion batteries. <b>2018</b> , 6, 2758-2766	17
884	Two Dimensional TiS <sub>2</sub> as a Promising Insertion Anode for Na-Ion Battery. <b>2018</b> , 3, 524-528	34
883	Nano-structured red phosphorus/porous carbon as a superior anode for lithium and sodium-ion batteries. <b>2018</b> , 61, 371-381	27
882	A Top-Down Strategy toward SnSb In-Plane Nanoconfined 3D N-Doped Porous Graphene Composite Microspheres for High Performance Na-Ion Battery Anode. <b>2018</b> , 30, 1704670	147
881	Microstructural Analysis of the Effects of Thermal Runaway on Li-Ion and Na-Ion Battery Electrodes. <b>2018</b> , 15,	16
880	Reduced Graphene Oxide-Wrapped FeS Composite as Anode for High-Performance Sodium-Ion Batteries. <b>2018</b> , 10, 30	39



879	Atomic layer deposition of crystalline epitaxial MoS <sub>2</sub> nanowall networks exhibiting superior performance in thin-film rechargeable Na-ion batteries. <b>2018</b> , 6, 2302-2310	33
878	Synthesis and electrochemical properties of Na-rich Prussian blue analogues containing Mn, Fe, Co, and Fe for Na-ion batteries. <b>2018</b> , 378, 322-330	82
877	MoS <sub>2</sub> embedded in 3D interconnected carbon nanofiber film as a free-standing anode for sodium-ion batteries. <b>2018</b> , 11, 3844-3853	50
876	Cu <sub>2</sub> GeS <sub>3</sub> derived ultrafine nanoparticles as high-performance anode for sodium ion battery. <b>2018</b> , 61, 1177-1184	19
875	3D hierarchical defect-rich NiMo <sub>3</sub> S <sub>4</sub> nanosheet arrays grown on carbon textiles for high-performance sodium-ion batteries and hydrogen evolution reaction. <b>2018</b> , 49, 460-470	78
874	Bubble-in-nanorod hierarchical hybrid fiber: A highly-efficient design for pyrophosphate-based freestanding cathodes towards fast sodium/lithium intercalation. <b>2018</b> , 49, 419-433	27
873	Cold sintering and ionic conductivities of Na <sub>3</sub> .256Mg <sub>0.128</sub> Zr <sub>1.872</sub> Si <sub>2</sub> PO <sub>12</sub> solid electrolytes. <b>2018</b> , 391, 170-179	38
872	Quasi-Solid-State Sodium-Ion Full Battery with High-Power/Energy Densities. <b>2018</b> , 10, 17903-17910	52
871	Constructing Flexible and Binder-Free NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Film Electrode with a Sandwich Structure by a Two-Step Graphene Hybridizing Strategy as an Ultrastable Anode for Long-Life Sodium-Ion Batteries. <b>2018</b> , 18, 3291-3301	9
870	Three-dimensional carbon framework anode improves sodiation-desodiation properties in ionic liquid electrolyte. <b>2018</b> , 49, 515-522	17
869	Pyrosynthesis of Na V (PO ) @C Cathodes for Safe and Low-Cost Aqueous Hybrid Batteries. <b>2018</b> , 11, 2239-2247	38
868	A first principle study of the phase stability, ion transport and substitution strategy for highly ionic conductive sodium antiperovskite as solid electrolyte for sodium ion batteries. <b>2018</b> , 390, 61-70	22
867	Internal structure  Na storage mechanisms  Electrochemical performance relations in carbons. <b>2018</b> , 97, 170-203	72
866	Electrochemical performance of sol-gel-made Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> anode material for Na-ion batteries. <b>2018</b> , 22, 2545-2552	8
865	Pseudocapacitive charge storage properties of Na <sub>2</sub> /3Co <sub>2</sub> /3Mn <sub>2</sub> /9Ni <sub>1</sub> /9O <sub>2</sub> in Na-ion batteries. <b>2018</b> , 276, 142-152	12
864	Magnetism of NaFePO and related polyanionic compounds. <b>2018</b> , 20, 13497-13507	6
863	TiO Nanostructures as Anode Materials for Li/Na-Ion Batteries. <b>2018</b> , 18, 1178-1191	35
862	High-capacity FeTiO <sub>3</sub> /C negative electrode for sodium-ion batteries with ultralong cycle life. <b>2018</b> , 388, 19-24	13

861	Multi-electron reaction materials for sodium-based batteries. <b>2018</b> , 21, 960-973	77
860	Revealing the Mechanism of Sodium Diffusion in Na <sub>x</sub> FePO <sub>4</sub> Using an Improved Force Field. <b>2018</b> , 122, 8065-8075	11
859	Free-Standing Nitrogen-Doped Cup-Stacked Carbon Nanotube Mats for Potassium-Ion Battery Anodes. <b>2018</b> , 1, 1703-1707	71
858	Interphases in Sodium-Ion Batteries. <b>2018</b> , 8, 1703082	137
857	Sandwich-like MoS <sub>2</sub> @SnO <sub>2</sub> @C with High Capacity and Stability for Sodium/Potassium Ion Batteries. <b>2018</b> , 14, e1703818	133
856	Rationally-designed configuration of directly-coated Ni <sub>3</sub> S <sub>2</sub> /Ni electrode by RGO providing superior sodium storage. <b>2018</b> , 133, 14-22	62
855	Sodium-Ion Batteries (a Review). <b>2018</b> , 54, 113-152	57
854	Nanostructured Bi <sub>2</sub> S <sub>3</sub> encapsulated within three-dimensional N-doped graphene as active and flexible anodes for sodium-ion batteries. <b>2018</b> , 11, 4614-4626	65
853	First-Principles Study of Oxyhydride H <sup>-</sup> Ion Conductors: Toward Facile Anion Conduction in Oxide-Based Materials. <b>2018</b> , 1, 1626-1634	15
852	Porous carbon-free SnSb anodes for high-performance Na-ion batteries. <b>2018</b> , 386, 34-39	28
851	An effective method to screen sodium-based layered materials for sodium ion batteries. <b>2018</b> , 4,	52
850	Nanocellulose: a promising nanomaterial for advanced electrochemical energy storage. <b>2018</b> , 47, 2837-2872	401
849	Three-dimensional iron sulfide-carbon interlocked graphene composites for high-performance sodium-ion storage. <b>2018</b> , 10, 7851-7859	39
848	Uniform core-shell nanobiscuits of Fe <sub>7</sub> S <sub>8</sub> @C for lithium-ion and sodium-ion batteries with excellent performance. <b>2018</b> , 6, 7967-7976	77
847	Symmetric Sodium-Ion Capacitor Based on NaMnO <sub>2</sub> Nanorods for Low-Cost and High-Performance Energy Storage. <b>2018</b> , 10, 11689-11698	49
846	Patents and Networks: Case of Identification of Core Industry Actors for Electric Vehicle Battery by Application of Knowledge Flow. <b>2018</b> , 121-146	
845	Prediction of optimal structural water concentration for maximized performance in tunnel manganese oxide electrodes. <b>2018</b> , 20, 9480-9487	4
844	A room-temperature sodium metal anode enabled by a sodiophilic layer. <b>2018</b> , 48, 101-106	84

843	Carbon-Polytetrahydrofuran Double-Coated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> Submicron-Composite as High-Energy/Power Cathode Material for Sodium Metal Battery. <b>2018</b> , 165, A746-A756	25
842	A Review: Enhanced Anodes of Li/Na-Ion Batteries Based on Yolk-Shell Structured Nanomaterials. <b>2018</b> , 10, 40	62
841	The Scale-up and Commercialization of Nonaqueous Na-Ion Battery Technologies. <b>2018</b> , 8, 1702869	131
840	Computational Studies of Electrode Materials in Sodium-Ion Batteries. <b>2018</b> , 8, 1702998	87
839	From Charge Storage Mechanism to Performance: A Roadmap toward High Specific Energy Sodium-Ion Batteries through Carbon Anode Optimization. <b>2018</b> , 8, 1703268	244
838	A Robust Approach for Efficient Sodium Storage of GeS <sub>2</sub> Hybrid Anode by Electrochemically Driven Amorphization. <b>2018</b> , 8, 1703499	25
837	High-performance anode materials for Na-ion batteries. <b>2018</b> , 37, 167-180	40
836	Facile and efficient room temperature solid state reaction enabled synthesis of antimony nanoparticles embedded within reduced graphene oxide for enhanced sodium-ion storage. <b>2018</b> , 444, 448-456	10
835	NaFeF <sub>3</sub> Nanoplates as Low-Cost Sodium and Lithium Cathode Materials for Stationary Energy Storage. <b>2018</b> , 30, 1825-1829	26
834	Arsenic for high-capacity lithium- and sodium-ion batteries. <b>2018</b> , 10, 7047-7057	26
833	Metal-organic framework-derived porous shuttle-like vanadium oxides for sodium-ion battery application. <b>2018</b> , 11, 449-463	85
832	Enhanced electrochemical performance of SnS nanoparticles/CNTs composite as anode material for sodium-ion battery. <b>2018</b> , 29, 187-190	43
831	Von Lithium- zu Natriumionenbatterien: Vorteile, Herausforderungen und Überraschendes. <b>2018</b> , 130, 106-126	93
830	From Lithium-Ion to Sodium-Ion Batteries: Advantages, Challenges, and Surprises. <b>2018</b> , 57, 102-120	953
829	A spray-freezing approach to reduced graphene oxide/MoS <sub>2</sub> hybrids for superior energy storage. <b>2018</b> , 10, 282-290	41
828	High Na-ion conducting Na <sub>1+x</sub> [Sn <sub>x</sub> Ge <sub>2-x</sub> (PO <sub>4</sub> ) <sub>3</sub> ] glass-ceramic electrolytes: Structural and electrochemical impedance studies. <b>2018</b> , 101, 167-177	14
827	Synthesis of high volumetric capacity graphene oxide-supported tellurantimony Na- and Li-ion battery anodes by hydrogen peroxide sol gel processing. <b>2018</b> , 512, 165-171	23
826	Nanoflake-assembled three-dimensional Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C cathode for high performance sodium ion batteries. <b>2018</b> , 335, 301-308	38

825	Sn-MOF derived bimodal-distributed SnO <sub>2</sub> nanosphere as a high performance anode of sodium ion batteries with high gravimetric and volumetric capacities. <b>2018</b> , 99, 45-51	40
824	Faradaic reactions in capacitive deionization (CDI) - problems and possibilities: A review. <b>2018</b> , 128, 314-330	340
823	Hard Carbons for Sodium-Ion Battery Anodes: Synthetic Strategies, Material Properties, and Storage Mechanisms. <b>2018</b> , 11, 506-526	105
822	Synthesis of Na Mn <sub>0.54</sub> Ni <sub>0.13</sub> Fe <sub>0.13</sub> O <sub>2</sub> with P2-type hexagonal phase as high-performance cathode materials for sodium-ion batteries. <b>2018</b> , 732, 88-94	10
821	Synthesis of SnS nanoparticle-modified MXene (Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> ) composites for enhanced sodium storage. <b>2018</b> , 732, 448-453	83
820	Revitalized interest in vanadium pentoxide as cathode material for lithium-ion batteries and beyond. <b>2018</b> , 11, 205-259	157
819	Metal (M = Co, Ni) phosphate based materials for high-performance supercapacitors. <b>2018</b> , 5, 11-28	110
818	Anthraquinone derivative as high-performance anode material for sodium-ion batteries using ether-based electrolytes. <b>2018</b> , 3, 63-70	11
817	Solvent mediated sodium storage enhancement in van der Waals layered materials. <b>2018</b> , 318, 35-44	3
816	Fabrication of porous carbon sphere@SnO <sub>2</sub> @carbon layer coating composite as high performance anode for sodium-ion batteries. <b>2018</b> , 433, 713-722	16
815	A 4 V Na <sup>+</sup> Intercalation Material in a New Na-Ion Cathode Family. <b>2018</b> , 8, 1701729	15
814	In Situ Surface Coating of Squaric Acid with Conductive Polyaniline for a High-Capacity and Sustainable Lithium Battery Anode. <b>2018</b> , 5, 159-165	5
813	Evaluation of NaFeTiO <sub>4</sub> as an electrode for energy storage application. <b>2018</b> , 24, 1065-1074	5
812	Fe <sub>7</sub> Se <sub>8</sub> nanoparticles encapsulated by nitrogen-doped carbon with high sodium storage performance and evolving redox reactions. <b>2018</b> , 10, 114-121	73
811	Carbonyl polymeric electrode materials for metal-ion batteries. <b>2018</b> , 29, 232-244	61
810	Effect of sodium salts on the cycling performance of tin anode in sodium ion batteries. <b>2018</b> , 24, 753-761	16
809	Polymeric Redox-Active Electrodes for Sodium-Ion Batteries. <b>2018</b> , 11, 311-319	18
808	Enhancing the Sequential Conversion-Alloying Reaction of Mixed Sn-S Hybrid Anode for Efficient Sodium Storage by a Carbon Healed Graphene Oxide. <b>2018</b> , 14, 1702605	16

807	Effect of Al substitution on the enhanced electrochemical performance and strong structure stability of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C composite cathode for sodium-ion batteries. <b>2018</b> , 375, 82-92	41
806	Spherical FeF <sub>3</sub> ·0.33H <sub>2</sub> O/MWCNTs nanocomposite with mesoporous structure as cathode material of sodium ion battery. <b>2018</b> , 27, 573-581	19
805	Heteroatom-doped electrodes for all-vanadium redox flow batteries with ultralong lifespan. <b>2018</b> , 6, 41-44	54
804	NASICON-type Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as a new positive electrode material for rechargeable aluminium battery. <b>2018</b> , 260, 798-804	39
803	Temperature Dependence of Structural and Transport Properties for Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> and Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>2.5</sub> O <sub>0.5</sub> . <b>2018</b> , 30, 358-365	28
802	Antimony-based materials as promising anodes for rechargeable lithium-ion and sodium-ion batteries. <b>2018</b> , 2, 437-455	99
801	FUNDAMENTALS OF RECHARGEABLE BATTERIES AND ELECTROCHEMICAL POTENTIALS OF ELECTRODE MATERIALS. <b>2018</b> , 397-451	3
800	A simple pre-sodiation strategy to improve the performance and energy density of sodium ion batteries with Na <sub>4</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as the cathode material. <b>2020</b> , 8, 23368-23375	13
799	Polymer electrolytes for metal-ion batteries. <b>2020</b> , 89, 1132-1155	21
798	MnS@N,S Co-Doped Carbon Core/Shell Nanocubes: Sulfur-Bridged Bonds Enhanced Na-Storage Properties Revealed by In Situ Raman Spectroscopy and Transmission Electron Microscopy. <b>2020</b> , 16, e2003001	12
797	A Combined Operando Synchrotron X-ray Absorption Spectroscopy and First-Principles Density Functional Theory Study to Unravel the Vanadium Redox Paradox in the Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> FO <sub>2</sub> Compositions. <b>2020</b> , 124, 23511-23522	10
796	Flexible and additive-free organic electrodes for aqueous sodium ion batteries. <b>2020</b> , 8, 22791-22801	6
795	High pressure chemical reactivity and structural study of the Na <sup>+</sup> and Li <sup>+</sup> systems. <b>2020</b> , 8, 21797-21803	3
794	Faradaic Electrodes Open a New Era for Capacitive Deionization. <b>2020</b> , 7, 2002213	28
793	High performance aluminum ion battery using polyaniline/ordered mesoporous carbon composite. <b>2020</b> , 477, 228702	13
792	Research progress of Na <sub>2</sub> MSiO <sub>4</sub> (M = Fe, Mn, Co and Ni) sodium ion cathode materials. <b>2020</b> , 6, 2191-2199	4
791	Fabrication and electrochemical properties of flexible ZnO doped PVA-Borax based solid-gel electrolytes. <b>2020</b> , 122, 108268	3
790	Conductive nonconjugated radical polymer as high capacity organic cathode material for high-energy Li/Na ion batteries. <b>2020</b> , 479, 228796	11

789	Interaction between Electrolytes and Sb <sub>2</sub> O <sub>3</sub> -Based Electrodes in Sodium Batteries: Uncovering the Detrimental Effects of Diglyme. <b>2020</b> , 7, 3487-3495	3
788	Highly crystalline nickel hexacyanoferrate as a long-life cathode material for sodium-ion batteries.. <b>2020</b> , 10, 27033-27041	11
787	The FeO/graphite anode composites with enhanced electrochemical performance for lithium-ion batteries. <b>2020</b> , 31, 435404	3
786	Superior electrochemical performance of NaFe <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> thin film electrode fabricated by pulse laser deposition. <b>2020</b> , 33, 5425-5428	0
785	Hard carbons for sodium-ion batteries and beyond. <b>2020</b> , 2, 042002	38
784	Effect of TiO <sub>2</sub> /carbon black in sulfur-based composite cathode for lithium-sulfur batteries. <b>2020</b> , 26, 5463-5470	1
783	Nickel cobalt oxide nanowires with iron incorporation realizing a promising electrocatalytic oxygen evolution reaction. <b>2020</b> , 31, 435707	7
782	Nitrogen-doped carbon flakes inlaid with bimetallic selenide for high-performance sodium ion storage. <b>2020</b> , 46, 25775-25782	5
781	Electrodeposited binder-free Sb/NiSb anode of sodium-ion batteries with excellent cycle stability and rate capability and new insights into its reaction mechanism by operando XRD analysis. <b>2020</b> , 77, 105123	26
780	An emerging electrochemically active maricite NaMnPO <sub>4</sub> as cathode material at elevated temperature for sodium-ion batteries. <b>2020</b> , 10, 3945-3951	4
779	Carbon block anodes with columnar nanopores constructed from amine-functionalized carbon nanosheets for sodium-ion batteries. <b>2020</b> , 8, 24393-24400	5
778	High-performance NaClO <sub>2</sub> batteries with ZnCo <sub>2</sub> O <sub>4</sub> @CNT as the cathode catalyst. <b>2020</b> , 8, 23974-23982	9
777	Investigation of superior sodium storage and reversible Na <sub>2</sub> S conversion reactions in a porous NiS <sub>2</sub> @C composite using in operando X-ray diffraction. <b>2020</b> , 8, 24401-24407	3
776	Pseudocapacitive Charge Storage in MXene-VO for Asymmetric Flexible Energy Storage Devices. <b>2020</b> , 12, 54791-54797	12
775	Fabrication of van der Waals Heterostructured FePSe/Carbon Hybrid Nanosheets for Sodium Storage with High Performance. <b>2020</b> , 12, 54732-54741	9
774	Investigations into Reactions between Sodium Metal and Na <sub>3</sub> PS <sub>4</sub> ·xOx Solid-State Electrolytes: Enhanced Stability of the Na <sub>3</sub> PS <sub>3</sub> O Solid-State Electrolyte. <b>2020</b> , 3, 11559-11569	3
773	Transformation of Two-Dimensional Iron Sulfide Nanosheets from FeS <sub>2</sub> to FeS as High-Rate Anodes for Pseudocapacitive Sodium Storage. <b>2020</b> , 3, 12672-12681	10
772	Hexagonal Composite [email protected] as a Positive Electrode for High-Performance Aluminum Batteries. <b>2020</b> , 3, 11445-11455	12

771	MoS <sub>2</sub> /graphene composites: Fabrication and electrochemical energy storage. <b>2020</b> , 33, 470-502	36
770	Ultrasonically assisted microwave synthesis and electronic transport properties of Eldfellite, NaFe(SO <sub>4</sub> ) <sub>2</sub> , a potential cathode material for Sodium-Ion Batteries. <b>2020</b> , 46, 28844-28850	4
769	Integrating energy and water optimization in buildings using multi-objective mixed-integer linear programming. <b>2020</b> , 62, 102409	19
768	Confining Ultrathin 2D Superlattices in Mesoporous Hollow Spheres Renders Ultrafast and High-Capacity Na-Ion Storage. <b>2020</b> , 10, 2001033	12
767	Exfoliation of Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> into Colloidal Nanosheets with Enhanced Discharge Capacity. <b>2020</b> , 41, 906-912	0
766	Extended low-voltage plateau capacity of hard carbon spheres anode for sodium ion batteries. <b>2020</b> , 476, 228550	22
765	Sulfur-Rich (NH)MoS as a Highly Reversible Anode for Sodium/Potassium-Ion Batteries. <b>2020</b> , 14, 9626-9636	16
764	Engineering Surface Oxygenated Functionalities on Commercial Carbon toward Ultrafast Sodium Storage in Ether-Based Electrolytes. <b>2020</b> , 12, 37116-37127	8
763	Role of mechanical milling on the synthesis and ionic transport properties of fast fluoride ion conducting materials. <b>2020</b> , 24, 2219-2232	5
762	Dually Decorated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> by Carbon and 3D Graphene as Cathode Material for Sodium-Ion Batteries with High Energy and Power Densities. <b>2020</b> , 7, 3975-3983	5
761	Layered Oxide Cathode for Potassium-Ion Battery: Recent Progress and Prospective. <b>2020</b> , 16, e2002700	30
760	Electrolytes toward High-Voltage Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> Positive Electrode Durable against Temperature Variation. <b>2020</b> , 10, 2001880	18
759	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. <b>2020</b> , 31, 1564-1573	7
758	Review on comprehending and enhancing the initial Coulombic efficiency of anode materials in lithium-ion/sodium-ion batteries. <b>2020</b> , 77, 105143	106
757	A facile control in free-carbon domain with divinylbenzene for the high-rate-performing Sb/SiOC composite anode material in sodium-ion batteries. <b>2020</b> , 44, 11473-11486	3
756	Design and fabrication of NaFePO <sub>4</sub> /MWCNTs hybrid electrode material for sodium-ion battery. <b>2020</b> , 31, 21792-21801	1
755	Electrochemical Sodiation/Desodiation into MnO Nanoparticles. <b>2020</b> , 5, 29158-29167	5
754	In Situ Hard-Template Synthesis of Hollow Bowl-Like Carbon: A Potential Versatile Platform for Sodium and Zinc Ion Capacitors. <b>2020</b> , 10, 2002741	72

753	Cubic MnS-FeS Composites Derived from a Prussian Blue Analogue as Anode Materials for Sodium-Ion Batteries with Long-Term Cycle Stability. <b>2020</b> , 12, 43624-43633	13
752	Economic and Environmental Analysis of nZEB model with smartification building using MILP. <b>2020</b> ,	
751	Novel Approach Through the Harmonized Sulfur in Disordered Carbon Structure for High-Efficiency Sodium-Ion Exchange. <b>2020</b> , 12, 43750-43760	7
750	A preliminary study of phases, elemental mapping, and electrical properties on Na <sub>2</sub> FeSiO <sub>4</sub> derived from rice husk silica. <b>2020</b> , 1572, 012003	4
749	Density Functional Theory Studies of Si <sub>2</sub> BN Nanosheets as Anode Materials for Magnesium-Ion Batteries. <b>2020</b> , 3, 9055-9063	11
748	Chalcogen cathode and its conversion electrochemistry in rechargeable Li/Na batteries. <b>2020</b> , 63, 1402-1415	20
747	Aluminum electrolytes for Al dual-ion batteries. <b>2020</b> , 3,	20
746	A boron-exposed TiB monolayer with a lower electrostatic-potential surface as a higher-performance anode material for Li-ion and Na-ion batteries. <b>2020</b> , 22, 22236-22243	5
745	Tailoring MXene-Based Materials for Sodium-Ion Storage: Synthesis, Mechanisms, and Applications. <b>2020</b> , 3, 766-792	41
744	Insights into the Plateau Capacity Dependence on the Rate Performance and Cycling Stability of a Superior Hard Carbon Microsphere Anode for Sodium-Ion Batteries. <b>2020</b> , 3, 10045-10052	5
743	A Progress Report on Metal-Sulfur Batteries. <b>2020</b> , 30, 2004084	37
742	Alkali Metal-Modified P2 NaMnO: Crystal Structure and Application in Sodium-Ion Batteries. <b>2020</b> , 59, 12143-12155	4
741	Insight into the diffusion mechanism of sodium ion-polaron complexes in orthorhombic P2 layered cathode oxide NaMnO. <b>2020</b> , 22, 18219-18228	6
740	Phase transformation, charge transfer, and ionic diffusion of Na <sub>4</sub> MnV(PO <sub>4</sub> ) <sub>3</sub> in sodium-ion batteries: a combined first-principles and experimental study. <b>2020</b> , 8, 17477-17486	11
739	Assessment on the Use of High Capacity Sn <sub>4</sub> P <sub>3</sub> /NHC Composite Electrodes for Sodium-Ion Batteries with Ether and Carbonate Electrolytes. <b>2020</b> , 30, 2004798	27
738	A theoretical study on the application of different carbonaceous nanostructures in K-ion batteries. <b>2020</b> , 151, 1329-1336	7
737	Kirkendall effect modulated hollow red phosphorus nanospheres for high performance sodium-ion battery anodes. <b>2020</b> , 56, 11795-11798	7
736	Modulation of the Crystal Structure and Ultralong Life Span of a Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> -Based Cathode for a High-Performance Sodium-Ion Battery by Niobium/Vanadium Substitution. <b>2020</b> , 59, 21039-21046	5



735	Pomegranate-like porous NiCo <sub>2</sub> Se <sub>4</sub> spheres with N-doped carbon as advanced anode materials for Li/Na-ion batteries. <b>2020</b> ,	3
734	Rationalizing the Anion Storage in Cathodes for Optimum Dual-Ion Batteries: State of the Art and the Prospect. <b>2020</b> , 34, 15701-15713	6
733	The performance of sodium ion battery with NaFePO <sub>4</sub> cathode prepared from local iron sand. <b>2020</b> , 902, 012008	1
732	Dense Sandwich-like Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> @rGO Composite with Superior Performance for Sodium Storage. <b>2020</b> , 7, 2258-2264	5
731	Na-Ion batteries. <b>2020</b> , 1-64	1
730	Alkali metal storage mechanism in organic semiconductor of perylene-3,4,9,10-tetracarboxylicdianhydride. <b>2020</b> , 524, 146396	5
729	Recent Advances of Bimetallic Sulfide Anodes for Sodium Ion Batteries. <b>2020</b> , 8, 353	13
728	Hard carbon anode derived from camellia seed shell with superior cycling performance for sodium-ion batteries. <b>2020</b> , 53, 414002	6
727	Hybrid density functional theoretical study of NASICON-type NaTi(PO) (x = 1-4). <b>2020</b> , 22, 11861-11870	5
726	A Chronicle Review of Nonsilicon (Sn, Sb, Ge)-Based Lithium/Sodium-Ion Battery Alloying Anodes. <b>2020</b> , 4, 2000218	99
725	Inorganic solids for dual magnesium and sodium battery electrodes. <b>2020</b> , 24, 2565-2573	2
724	Emerging soluble organic redox materials for next-generation grid energy-storage applications. <b>2020</b> , 10, 215-229	1
723	First-principles study of superionic Na <sub>9+x</sub> Sn <sub>x</sub> M <sub>3</sub> S <sub>12</sub> (M = P, Sb). <b>2020</b> , 1, 184-196	11
722	Facile Synthesis of High Electrochemical Performance Na <sub>2</sub> FePO <sub>4</sub> [email[protected]]&GN Cathode Material as Sodium Ion Batteries. <b>2020</b> , 3, 6232-6239	5
721	Fundamental Principles of Battery Electrochemistry. <b>2020</b> , 1-36	1
720	Recent advances and prospects of layered transition metal oxide cathodes for sodium-ion batteries. <b>2020</b> , 30, 9-26	50
719	Breaking the limitation of sodium-ion storage for nanostructured carbon anode by engineering desolvation barrier with neat electrolytes. <b>2020</b> , 74, 104895	20
718	High capacitive sodium-ion storage in N, P co-doped carbon supported on carbon nanotubes. <b>2020</b> , 870, 114200	5

717	Binder-free organic cathode based on nitroxide radical polymer-functionalized carbon nanotubes and gel polymer electrolyte for high-performance sodium organic polymer batteries. <b>2020</b> , 8, 17980-17986	11
716	3D Flexible, Conductive, and Recyclable TiCT MXene-Melamine Foam for High-Areal-Capacity and Long-Lifetime Alkali-Metal Anode. <b>2020</b> , 14, 8678-8688	92
715	Enhanced rate capabilities in a glass-ceramic-derived sodium all-solid-state battery. <b>2020</b> , 10, 9453	12
714	Understanding the Critical Role of Binders in Phosphorus/Carbon Anode for Sodium-Ion Batteries through Unexpected Mechanism. <b>2020</b> , 30, 2000060	15
713	Synthesis of Porous Ni-Doped CoSe /C Nanospheres towards High-Rate and Long-Term Sodium-Ion Half/Full Batteries. <b>2020</b> , 26, 8579-8587	24
712	Operando Sodiation Mechanistic Study of a New Antimony-Based Intermetallic CoSb as a High-Performance Sodium-Ion Battery Anode. <b>2020</b> , 124, 15757-15768	3
711	Informetric Analysis of Highly Cited Papers in Environmental Sciences Based on Essential Science Indicators. <b>2020</b> , 17,	9
710	Ball-in-ball structured SnO <sub>2</sub> @FeOOH@C nanospheres toward advanced anode material for sodium ion batteries. <b>2020</b> , 838, 155394	7
709	Communication Phosphate K(Mo <sub>2</sub> PO <sub>6</sub> )(P <sub>2</sub> O <sub>7</sub> ) as a Novel Cathode Material for Potassium Ion Batteries: Structure and Electrochemical Properties. <b>2020</b> , 167, 110517	1
708	Amorphous SnSe quantum dots anchoring on graphene as high performance anodes for battery/capacitor sodium ion storage. <b>2020</b> , 469, 228414	26
707	Improvement in fast Na-ion conduction in Na <sub>3+x</sub> Cr <sub>x</sub> Ti <sub>2-x</sub> (PO <sub>4</sub> ) <sub>3</sub> glass/ceramic electrolyte material for Na-ion batteries. <b>2020</b> , 17, 2637-2649	1
706	Mn-Based Materials for K-Ion Batteries. <b>2020</b> , 99-121	
705	. <b>2020</b> ,	1
704	Salt powder assisted synthesis of nanostructured materials and their electrochemical applications in energy storage devices. <b>2020</b> , 400, 125895	9
703	Preparation of NaFeO <sub>2</sub> from iron sand as a raw material for cathode of sodium-ion battery. <b>2020</b> ,	2
702	Melamine-assisted synthesis of Fe <sub>3</sub> N featuring highly reversible crystalline-phase transformation for ultrastable sodium ion storage. <b>2020</b> , 8, 6768-6775	31
701	High Capacity Prismatic Type Layered Electrode with Anionic Redox Activity as an Efficient Cathode Material and PVdF/SiO Composite Membrane for a Sodium Ion Battery. <b>2020</b> , 12,	1
700	Applications of Tin Sulfide-Based Materials in Lithium-Ion Batteries and Sodium-Ion Batteries. <b>2020</b> , 30, 2001298	90

699	Recent Progress in Calix[n]quinone (n=4, 6) and Pillar[5]quinone Electrodes for Secondary Rechargeable Batteries. <b>2020</b> , 3, 476-487	23
698	Zinc Phosphides as Outstanding Sodium-Ion Battery Anodes. <b>2020</b> , 12, 15053-15062	23
697	One step synthesis of vesicular Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> and network of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> @graphene nanosheets with improved electrochemical performance as cathode material for sodium ion battery. <b>2020</b> , 115, 107884	7
696	Eco-Degradable and Flexible Solid-State Ionic Conductors by Clay-Nanoconfined DMSO Composites. <b>2020</b> , 4, 1900134	4
695	Facile Synthesis of FePS Nanosheets@MXene Composite as a High-Performance Anode Material for Sodium Storage. <b>2020</b> , 12, 54	31
694	Carbon-coated tungsten diselenide nanosheets uniformly assembled on porous carbon cloth as flexible binder-free anodes for sodium-ion batteries with improved electrochemical performance. <b>2020</b> , 827, 154348	8
693	Nitrogen-doped 3D nanocarbon with nanopore defects as high-capacity and stable anode materials for sodium/lithium-ion batteries. <b>2020</b> , 16, 100395	14
692	Choosing the right carbon additive is of vital importance for high-performance Sb-based Na-ion batteries. <b>2020</b> , 8, 6092-6104	18
691	Titanium-based potassium-ion battery positive electrode with extraordinarily high redox potential. <b>2020</b> , 11, 1484	43
690	MoS <sub>2</sub> /SnS <sub>2</sub> nanocomposite as stable sodium-ion battery anode. <b>2020</b> , 13, 1950095	5
689	The influence of Stone-Wales defects in nanographene on the performance of Na-ion batteries. <b>2020</b> , 98, 107578	5
688	Hierarchical Mesoporous Iron Fluoride and Reduced Graphene Oxide Nanocomposite as Cathode Materials for High-Performance Sodium-Ion Batteries. <b>2020</b> , 12, 17538-17546	18
687	Sodium-Ion Storage Mechanism in Triquinoxalynylene and a Strategy for Improving Electrode Stability. <b>2020</b> , 34, 5099-5105	7
686	Bottom-Up Synthesis of Advanced Carbonaceous Anode Materials Containing Sulfur for Na-Ion Batteries. <b>2020</b> , 30, 2000592	16
685	Layered-tunnel structured cathode for high performance sodium-ion batteries. <b>2020</b> , 13, 2051016	6
684	Review Polymer Electrolytes for Sodium Batteries. <b>2020</b> , 167, 070534	45
683	Sustainable and Environmentally Friendly Na and Mg Aqueous Hybrid Batteries Using Na and K Birnessites. <b>2020</b> , 25,	3
682	Anionic Redox Processes in Maricite- and Triphylite-NaFePO of Sodium-Ion Batteries. <b>2020</b> , 5, 5192-5201	6

681	Hybrid Functional Study on Small Polaron Formation and Ion Diffusion in the Cathode Material NaMn(SO). <b>2020</b> , 5, 5429-5435	3
680	Mesoporous FeP/RGO nanocomposites as anodes for sodium ion batteries with enhanced specific capacity and long cycling life. <b>2020</b> , 44, 5396-5403	8
679	Fast synthesis of Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> system synthesized by microwave-assisted hydrothermal method: Electrical properties. <b>2020</b> , 46, 23834-23839	9
678	Ab initio study of P-doped borocarbonitride nanosheet as anode material for Li-ion and Na-ion batteries. <b>2020</b> , 25, 101409	3
677	Strain engineering of two-dimensional multilayered heterostructures for beyond-lithium-based rechargeable batteries. <b>2020</b> , 11, 3297	79
676	High-performance CoSbS-based Na-ion battery anodes. <b>2020</b> , 17, 100470	2
675	Electroactive Covalent Organic Frameworks: Design, Synthesis, and Applications. <b>2020</b> , 32, e2002038	64
674	N-doped carbon confined Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> derived from an organophosphonic acid as a high-performance cathode for sodium-ion batteries. <b>2020</b> , 844, 156118	14
673	Identifying suitable ionic liquid electrolytes for Al dual-ion batteries: role of electrochemical window, conductivity and voltage. <b>2020</b> , 1, 1354-1363	9
672	Temperature-Dependent Na-Ion Conduction and Its Pathways in the Crystal Structure of the Layered Battery Material Na <sub>2</sub> Ni <sub>2</sub> TeO <sub>6</sub> . <b>2020</b> , 124, 4421-4429	12
671	Porous Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C as cathode material for high-rate sodium-ion batteries by sacrificed template method. <b>2020</b> , 26, 5011-5018	4
670	Na <sub>3</sub> (TiOPO <sub>4</sub> ) <sub>2</sub> F microspheres as a long-life anode for Na-ion batteries. <b>2020</b> , 402, 126118	6
669	Towards enhanced sodium storage of anatase TiO <sub>2</sub> via a dual-modification approach of Mo doping combined with AlF coating. <b>2020</b> , 12, 15896-15904	7
668	Synthesis and Electrochemical Properties of Ni <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> with Porous Hierarchical Structures for Na-Ion Batteries. <b>2020</b> , 49, 5508-5522	6
667	Enhancing the Electrochemical Performance of NaCrO <sub>2</sub> through Structural Defect Control. <b>2020</b> , 3, 7216-7227	3
666	Influence of sodium content on the thermal behavior of low vacancy Prussian white cathode material. <b>2020</b> , 49, 3570-3579	14
665	In situ healing of dendrites in a potassium metal battery. <b>2020</b> , 117, 5588-5594	45
664	A computational study on the BN-yne sheet application in the Na-ion batteries. <b>2020</b> , 97, 107567	3

663	Insights into the phase transformation of NiCo <sub>2</sub> S <sub>4</sub> @rGO for sodium-ion battery electrode. <b>2020</b> , 338, 135900	26
662	Synthesis of in-situ doped hydrazine-oxalyl chloride based polyamides and their ionic conductivity studies. <b>2020</b> , 141, 109424	2
661	The Cathode Choice for Commercialization of Sodium-Ion Batteries: Layered Transition Metal Oxides versus Prussian Blue Analogs. <b>2020</b> , 30, 1909530	122
660	In situ growth of metal-organic framework-derived CoTe <sub>2</sub> nanoparticles@nitrogen-doped porous carbon polyhedral composites as novel cathodes for rechargeable aluminum-ion batteries. <b>2020</b> , 8, 5535-5545 <sup>31</sup>	
659	Colloidal Antimony Sulfide Nanoparticles as a High-Performance Anode Material for Li-ion and Na-ion Batteries. <b>2020</b> , 10, 2554	16
658	Quasi-solid sodium ions electrolyte of (Na) <sub>2</sub> O·B <sub>2</sub> O <sub>3</sub> ·SiO <sub>2</sub> ·H <sub>2</sub> O system hydrated glass. <b>2020</b> , 43, 1	
657	A carboxylate group-based organic anode for sustainable and stable sodium ion batteries. <b>2020</b> , 453, 227904	21
656	Theoretical identification of layered MXene phase Na <sub>x</sub> Ti <sub>4</sub> C <sub>2</sub> O <sub>4</sub> as superb anodes for rechargeable sodium-ion batteries. <b>2020</b> , 8, 11177-11187	12
655	Structural evolution and electrochemistry of the Mn-Rich P <sub>2</sub> [Na <sub>2</sub> /3Mn <sub>0.9</sub> Ti <sub>0.05</sub> Fe <sub>0.05</sub> O <sub>2</sub> positive electrode material. <b>2020</b> , 341, 135978	9
654	Comprehensive insights and perspectives into the recent progress of electrode materials for non-aqueous K-ion battery. <b>2020</b> , 6, 431-454	12
653	Highly dispersed ultra-small nano Sn-SnSb nanoparticles anchored on N-doped graphene sheets as high performance anode for sodium ion batteries. <b>2020</b> , 512, 145686	19
652	Insights into the electrochemical Li/Na-exchange in layered LiCoO <sub>2</sub> cathode material. <b>2020</b> , 27, 377-386	15
651	Tin and Tin Compound Materials as Anodes in Lithium-Ion and Sodium-Ion Batteries: A Review. <b>2020</b> , 8, 141	25
650	General Synthesis of M <sub>x</sub> S (M = Co, Cu) Hollow Spheres with Enhanced Sodium-Ion Storage Property in Ether-Based Electrolyte. <b>2020</b> , 59, 1568-1577	10
649	Recent progress on metallic Sn- and Sb-based anodes for sodium-ion batteries. <b>2020</b> , 8, 2913-2933	46
648	Mechanically Coupled Phase-Field Modeling of Microstructure Evolution in Sodium Ion Batteries Particles of Na <sub>x</sub> FePO <sub>4</sub> . <b>2020</b> , 167, 020508	3
647	One-pot synthesis of Bi-reduced graphene oxide composite using supercritical acetone as anode for Na-ion batteries. <b>2020</b> , 387, 124111	12
646	A mixed polyanion NaFe <sub>1-x</sub> (VO) <sub>x</sub> PO <sub>4</sub> glass-ceramic cathode system for safe and large-scale economic Na-ion battery applications. <b>2020</b> , 44, 2897-2906	5

- 645 Recent progress in the syntheses and applications of multishelled hollow nanostructures. **2020**, 4, 1105-1149 33
- 644 Lignin-derived electrochemical energy materials and systems. **2020**, 14, 650-672 37
- 643 Self-assembled N-doped MoS<sub>2</sub>/carbon spheres by naturally occurring acid-catalyzed reaction for improved sodium-ion batteries. **2020**, 387, 124144 30
- 642 Metal-organic frameworks as a platform for clean energy applications. **2020**, 2, 100027 377
- 641 Ultrastable Li-ion battery anodes by encapsulating SnS nanoparticles in sulfur-doped graphene bubble films. **2020**, 12, 3941-3949 27
- 640 Se-doped Bi<sub>2</sub>S<sub>3</sub> nanoneedles grown on the three-dimensional carbon foam as a self-supported anode for high-performance sodium ion batteries. **2020**, 825, 153901 10
- 639 Understanding the redox process upon electrochemical cycling of the P2-Na<sub>0.78</sub>Co<sub>1/2</sub>Mn<sub>1/3</sub>Ni<sub>1/6</sub>O<sub>2</sub> electrode material for sodium-ion batteries. **2020**, 3, 22
- 638 Green route synthesis of Li<sup>+</sup> ion nanoparticles for application in large discharge capacity of batteries. **2020**, 50, 205-209 2
- 637 An acid-assisted vacuum filtration approach towards flexible PDI/SWCNT cathodes for highly stable organic lithium ion batteries. **2020**, 338, 135771 7
- 636 One-step synthesis of Co<sub>9</sub>S<sub>8</sub>@Ni<sub>3</sub>S<sub>2</sub> heterostructure for enhanced electrochemical performance as sodium ion battery anode material and hydrogen evolution electrocatalyst. **2020**, 285, 121230 6
- 635 Polyanion-type electrode materials for advanced sodium-ion batteries. **2020**, 10, 100072 26
- 634 Gemischte polyanionische Verbindungen als positive Elektroden für die kostengünstige elektrochemische Energiespeicherung. **2020**, 132, 9342-9349 5
- 633 Mixed Polyanionic Compounds as Positive Electrodes for Low-Cost Electrochemical Energy Storage. **2020**, 59, 9255-9262 39
- 632 Superior lithium storage performance of polyacrylonitrile-modified NASICON structure Na<sub>3</sub>V<sub>2</sub>(PO<sub>4</sub>)<sub>3</sub> materials. **2020**, 56, 1073-1077 1
- 631 Space charge limited current conduction in thermoelectric electrospun NaCo<sub>2</sub>O<sub>4</sub> nanofibers. **2020**, 126, 1 3
- 630 Optimal sizing of a fuel processor for auxiliary power applications of a fuel cell-powered passenger car. **2020**, 45, 26005-26019 7
- 629 Three-dimensional VS<sub>4</sub> consisting of uniform nanosheets as excellent anode material for sodium ion batteries. **2020**, 834, 155204 13
- 628 The insight into promoting sodium storage mechanism of CrPO<sub>4</sub>-type NaV<sub>3</sub>(PO<sub>4</sub>)<sub>3</sub> anode material for sodium-ion batteries. **2020**, 463, 228194 2

627	Recent advances in crystalline carbon dots for superior application potential. <b>2020</b> , 1, 525-553	37
626	Synthesis of polyvalent ion reaction of MoS/CoS-RGO anode materials for high-performance sodium-ion batteries and sodium-ion capacitors. <b>2020</b> , 575, 42-53	24
625	Wood-Derived Carbon with Selectively Introduced C=O Groups toward Stable and High Capacity Anodes for Sodium Storage. <b>2020</b> , 12, 27499-27507	33
624	Electrolytes and Interphases in Sodium-Based Rechargeable Batteries: Recent Advances and Perspectives. <b>2020</b> , 10, 2000093	107
623	Quasi-solid-state zinc-ion battery based on $\text{EMnO}_2$ cathode with husk-like morphology. <b>2020</b> , 345, 136189	9
622	High performance electrospun nanofiber coated polypropylene membrane as a separator for sodium ion batteries. <b>2020</b> , 460, 228060	12
621	Scalable synthesizing nanospherical $\text{Na}_4\text{Fe}_3(\text{PO}_4)_2(\text{P}_2\text{O}_7)$ growing on MCNTs as a high-performance cathode material for sodium-ion batteries. <b>2020</b> , 461, 228130	18
620	Synthesis and ion conduction mechanism of a new sodium ion conducting solid polymer electrolytes. <b>2020</b> , 33, 5081-5084	2
619	Application of hexa-peri-hexabenzocoronene nanographene and its B, N, and Bn doped forms in Na-ion batteries: A density functional theory study. <b>2020</b> , 704, 137979	3
618	Sodiophilic Decoration of a Three-Dimensional Conductive Scaffold toward a Stable Na Metal Anode. <b>2020</b> , 8, 5452-5463	17
617	Hydrogenated dual-shell sodium titanate cubes for sodium-ion batteries with optimized ion transportation. <b>2020</b> , 8, 15829-15833	7
616	Design principles of pseudocapacitive carbon anode materials for ultrafast sodium and potassium-ion batteries. <b>2020</b> , 8, 7756-7764	10
615	The Use of Phosphorus in Sodium-Ion Batteries (A Review). <b>2020</b> , 56, 1-17	6
614	Surface Modification of Fe S /C Anode via Ultrathin Amorphous TiO Layer for Enhanced Sodium Storage Performance. <b>2020</b> , 16, e2000745	10
613	Excellent Cycling Stability of Sodium Anode Enabled by a Stable Solid Electrolyte Interphase Formed in Ether-Based Electrolytes. <b>2020</b> , 30, 2001151	27
612	Ultrahigh capacity 2D anode materials for lithium/sodium-ion batteries: an entirely planar B7P2 monolayer with suitable pore size and distribution. <b>2020</b> , 8, 10301-10309	13
611	Rational design of high nitrogen-doped and core-shell/mesoporous carbon nanospheres with high rate capability and cycling longevity for pseudocapacitive sodium storage. <b>2020</b> , 8, 9768-9775	10
610	A quantum mechanical study on the application of inorganic BC <sub>2</sub> N nanotubes in the Na-ion batteries. <b>2020</b> , 116, 107886	1


609	Effect of the interfacial protective layer on the NaFe <sub>0.5</sub> Ni <sub>0.5</sub> O <sub>2</sub> cathode for rechargeable sodium-ion batteries. <b>2020</b> , 8, 13964-13970	6
608	Insights into the Storage Mechanism of Layered VS <sub>2</sub> Cathode in Alkali Metal-Ion Batteries. <b>2020</b> , 10, 1904118	30
607	Revealing the Intercalation Mechanisms of Lithium, Sodium, and Potassium in Hard Carbon. <b>2020</b> , 10, 2000283	79
606	CoreShell Structure and X-Doped (X = Li, Zr) Comodified O <sub>3</sub> -NaNi <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> : Excellent Electrochemical Performance as Cathode Materials of Sodium-Ion Batteries. <b>2020</b> , 8, 1901504	5
605	Tremella-like porous carbon derived from one-step electroreduction of molten carbonates with superior rate capability for sodium-ion batteries. <b>2020</b> , 26, 2899-2907	2
604	Three-dimensional ordered macroporous ZnO/ZnS heterostructure on carbon cloth as a free-standing anode with high areal capacity for sodium-ion batteries. <b>2020</b> , 835, 155156	16
603	Amorphous carbon coated SnO nanosheets on hard carbon hollow spheres to boost potassium storage with high surface capacitive contributions. <b>2020</b> , 574, 174-181	44
602	Electrochemical Energy Storage Capability of Pyrenetetron Derivatives Tailored by Nitrogen Dopants. <b>2020</b> , 124, 10815-10822	3
601	Conductive metal-organic frameworks: Recent advances in electrochemical energy-related applications and perspectives. <b>2020</b> , 2, 203-222	37
600	K <sup>+</sup> and Mg <sup>2+</sup> co-doped bipolar Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> : An ultrafast electrode for symmetric sodium ion full cell. <b>2020</b> , 461, 228149	25
599	Ambient-Temperature All-Solid-State Sodium Batteries with a Laminated Composite Electrolyte. <b>2021</b> , 31, 2002144	25
598	Exploring Na-ion technological advances: Pathways from energy to power. <b>2021</b> , 39, 1118-1131	0
597	Recent advances in electrospun electrode materials for sodium-ion batteries. <b>2021</b> , 54, 225-241	34
596	MXenes for Non-Lithium-Ion (Na, K, Ca, Mg, and Al) Batteries and Supercapacitors. <b>2021</b> , 11, 2000681	74
595	The Layered Oxides in Lithium and Sodium-Ion Batteries: A Solid-State Chemistry Approach. <b>2021</b> , 11, 2001201	31
594	Free standing copper incorporated carbon nanofibers based flexible anodes for high performance sodium ion batteries. <b>2021</b> , 27, 1359-1369	1
593	Effect of K/Zr co-doping on the elevated electrochemical performance of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C cathode material for sodium ion batteries. <b>2021</b> , 27, 181-190	9
592	Ultra-high pseudocapacitance enhanced anode of N, P dual-doped carbon nanosheet derived from biomass toward high performance sodium ion battery. <b>2021</b> , 2, 129-139	1



591	Effects of calcination temperature on electrochemical properties of cathode material Na <sub>4</sub> MnV(PO <sub>4</sub> ) <sub>3</sub> /C synthesized by sol-gel method for sodium-ion batteries. <b>2021</b> , 850, 156707	6
590	PAANa-induced ductile SEI of bare micro-sized FeS enables high sodium-ion storage performance. <b>2021</b> , 64, 105-114	9
589	Nanoscale surface modification of P2-type Na <sub>0.65</sub> [Mn <sub>0.70</sub> Ni <sub>0.16</sub> Co <sub>0.14</sub> ]O <sub>2</sub> cathode material for high-performance sodium-ion batteries. <b>2021</b> , 404, 126446	10
588	2D MOF-derived CoS <sub>1.097</sub> nanoparticle embedded S-doped porous carbon nanosheets for high performance sodium storage. <b>2021</b> , 405, 126638	7
587	Advanced metal-organic frameworks for aqueous sodium-ion rechargeable batteries. <b>2021</b> , 53, 396-406	13
586	Graphene oxide: An emerging electromaterial for energy storage and conversion. <b>2021</b> , 55, 323-344	56
585	Optimizing high voltage Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> cathode for achieving high rate sodium-ion batteries with long cycle life. <b>2021</b> , 403, 126291	20
584	Mn-doped NaFeO <sub>2</sub> from a low purity-Fe precursor and its performance as cathode for Sodium-Ion Battery. <b>2021</b> , 51, 383-390	2
583	Advances and perspectives on transitional metal layered oxides for potassium-ion battery. <b>2021</b> , 34, 211-228	17
582	Metal-organic framework derived in-situ nitrogen-doped carbon-encapsulated CuS nanoparticles as high-rate and long-life anode for sodium ion batteries. <b>2021</b> , 854, 157132	11
581	Theoretical investigation of halides encapsulated Na@B <sub>40</sub> nanocages for potential applications as anodes for sodium ion batteries. <b>2021</b> , 121, 105437	10
580	Recent advances in vanadium-based cathode materials for rechargeable zinc ion batteries. <b>2021</b> , 5, 744-762	14
579	Low temperature and rapid microwave sintering of Na <sub>3</sub> Zr <sub>2</sub> Si <sub>2</sub> PO <sub>12</sub> solid electrolytes for Na-Ion batteries. <b>2021</b> , 481, 228924	20
578	Inorganic sodium solid-state electrolyte and interface with sodium metal for room-temperature metal solid-state batteries. <b>2021</b> , 34, 28-44	20
577	Unraveling the Voltage Failure Mechanism in Metal Sulfide Anodes for Sodium Storage and Improving Their Long Cycle Life by Sulfur-Doped Carbon Protection. <b>2021</b> , 31, 2007266	23
576	Recent progress of phosphorus composite anodes for sodium/potassium ion batteries. <b>2021</b> , 34, 436-460	34
575	Facile synthesis of hierarchical porous Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C composites with high-performance Na storage properties. <b>2021</b> , 481, 228828	11
574	Feasibility of Ca <sub>12</sub> O <sub>12</sub> Nanocluster in Lithium and Sodium Atom/Ion Batteries: DFT Study. <b>2021</b> , 31, 1006-1014	4

573	On the irreversible sodiation of tin disulfide. <b>2021</b> , 79, 105458	6
572	New strategy for increasing sodium-ion uptake in silicon oxycarbides. <b>2021</b> , 404, 126520	6
571	Sodium manganese-rich layered oxides: Potential candidates as positive electrode for Sodium-ion batteries. <b>2021</b> , 34, 682-707	13
570	Sb-based intermetallics and nanocomposites as stable and fast Na-ion battery anodes. <b>2021</b> , 409, 127380	8
569	High capacity and mobility in germanium sulfide/graphene (GeS/Gr) van der Waals heterostructure as anode materials for sodium-ion batteries: A first-principles investigation. <b>2021</b> , 536, 147779	7
568	Microstructure evolution and intermediate phase-induced varying solubility limits and stress reduction behavior in sodium ion batteries particles of $\text{Na}_x\text{FePO}_4$ (0. <b>2021</b> , 483, 229187	4
567	Process analysis and study of factors affecting the lithium carbonate crystallization from sulfate media during lithium extraction. <b>2021</b> , 199, 105532	7
566	A chemical map of NaSICON electrode materials for sodium-ion batteries. <b>2021</b> , 9, 281-292	38
565	Functionalized MTiCT MXenes (M = Cr and Mo; T = F, O, and OH) as high performance electrode materials for sodium ion batteries. <b>2021</b> , 23, 1038-1049	6
564	Dual-Manipulation on $\text{P2-Na}_{0.67}\text{Ni}_{0.33}\text{Mn}_{0.67}\text{O}_2$ Layered Cathode toward Sodium-Ion Full Cell with Record Operating Voltage Beyond 3.5 V. <b>2021</b> , 35, 620-629	30
563	A new perspective on the composition-structure-property relationships on Nb/Mo/Cr-doped O3-type layered oxide as cathode materials for sodium-ion batteries. <b>2021</b> , 413, 127824	3
562	Mesocarbon microbeads with superior anode performance for sodium-ion batteries. <b>2021</b> , 27, 677-682	1
561	Theory of coupled ion-electron transfer kinetics. <b>2021</b> , 367, 137432	14
560	Anode performance of NaOH-etched mesocarbon microbeads for sodium-ion batteries. <b>2021</b> , 264, 114934	0
559	PVP-assisted synthesis of ultrafine transition metal oxides encapsulated in nitrogen-doped carbon nanofibers as robust and flexible anodes for sodium-ion batteries. <b>2021</b> , 174, 325-334	8
558	PVDF-HFP/PMMA/TPU-based gel polymer electrolytes composed of conductive $\text{Na}_3\text{Zr}_2\text{Si}_2\text{PO}_{12}$ filler for application in sodium ions batteries. <b>2021</b> , 359, 115532	12
557	Shape-Induced Kinetics Enhancement in Layered $\text{P2-Na}_{0.67}\text{Ni}_{0.33}\text{Mn}_{0.67}\text{O}_2$ Porous Microcuboids Enables High Energy/Power Sodium-Ion Full Battery. <b>2021</b> , 4, 456-463	4
556	Thermodynamics and kinetics of 2D g-GeC monolayer as an anode materials for Li/Na-ion batteries. <b>2021</b> , 485, 229318	21

555	Selenizing CoMoO nanoparticles within electrospun carbon nanofibers towards enhanced sodium storage performance. <b>2021</b> , 586, 663-672	4
554	Design of hollow carbon-based materials derived from metal-organic frameworks for electrocatalysis and electrochemical energy storage. <b>2021</b> , 9, 3880-3917	41
553	Revealing sodium-ion diffusion in alluaudite-type $\text{Na}_4\text{M}_{1+x}(\text{MoO}_4)_3$ (M = Mg, Zn, Cd) from $^{23}\text{Na}$ MAS NMR and ab initio studies. <b>2021</b> , 293, 121800	2
552	Recent Progress and Challenges in the Optimization of Electrode Materials for Rechargeable Magnesium Batteries. <b>2021</b> , 17, e2004108	18
551	All-Solid-State Sodium Batteries with a Polyethylene Glycol Diacrylate/ $\text{Na}_3\text{Zr}_2\text{Si}_2\text{PO}_{12}$ Composite Electrolyte. <b>2021</b> , 2, 2000061	6
550	Ionic Conductivity of $\text{Na}_3\text{V}_2\text{P}_3\text{O}_{12}$ as a Function of Electrochemical Potential and its Impact on Battery Performance. <b>2021</b> , 4, 479-484	5
549	One dimensional $\text{SbO}_2/\text{Sb}_2\text{O}_3@\text{NC}$ microrod as anode for lithium-ion and sodium-ion batteries. <b>2021</b> , 2, 425-432	3
548	Few-layered $\text{MoS}_2$ with expanded interplanar spacing strongly encapsulated inside compact carbon spheres by CB interaction as ultra-stable sodium-ion batteries anode. <b>2021</b> , 858, 157675	11
547	Protein-Engineered Functional Materials for Bioelectronics. <b>2021</b> , 31, 2006744	12
546	C- $\text{Na}_3\text{V}_{1.96}\text{Fe}_{0.04}(\text{PO}_4)_3/\text{Fe}_2\text{P}$ nanoclusters with stable charge-transfer interface for high-power sodium ion batteries. <b>2021</b> , 404, 126974	10
545	Neurons-system-like structured $\text{SnS}_2/\text{CNTs}$ composite for high-performance sodium-ion battery anode. <b>2021</b> , 40, 1383-1390	34
544	Battery-nanogenerator hybrid systems. <b>2021</b> , 61-68	
543	Bulk $\text{Ti}_3\text{C}_2\text{T}_x$ anodes for superior sodium storage performance: the unique role of O-termination. <b>2021</b> , 5, 2810-2823	5
542	Organic cation (DMPI) intercalated graphite anode for high voltage next generation dual-ion batteries. <b>2021</b> , 2, 5213-5223	1
541	Understanding and mitigation of $\text{NaTi}_2(\text{PO}_4)_3$ degradation in aqueous Na-ion batteries.	6
540	$\text{MC}_2$ (M = Y, Zr, Nb, and Mo) monolayers containing $\text{C}_2$ dimers: prediction of anode materials for high-performance sodium ion batteries.	1
539	Gel Polymer Electrolyte Membranes Boosted with Sodium-Conductive $\gamma$ -Alumina Nanoparticles: Application for Na-Ion Batteries. <b>2021</b> , 4, 623-632	8
538	Effects of low doping on the improvement of cathode materials $\text{Na}_{3+x}\text{V}_2\text{M}_x(\text{PO}_4)_3$ (M = $\text{Co}^{2+}$ , $\text{Cu}^{2+}$ ; x = 0.010.05) for SIBs. <b>2021</b> , 9, 17380-17389	5

537	SEI Formation on Sodium Metal Electrodes in Superconcentrated Ionic Liquid Electrolytes and the Effect of Additive Water. <b>2021</b> , 13, 5706-5720	8
536	Commercialisation of high energy density sodium-ion batteries: Faradion's journey and outlook. <b>2021</b> , 9, 8279-8302	24
535	Na <sub>3</sub> VO <sub>4</sub> as a new anode material for lithium-ion batteries. <b>2021</b> , 45, 11506-11511	4
534	A theoretical study on the intercalation and diffusion of AlF in graphite: its application in rechargeable batteries. <b>2021</b> , 23, 19579-19589	1
533	Stable alkali metal anodes enabled by crystallographic optimization  review. <b>2021</b> , 9, 20957-20984	8
532	Highly crystalline antimony oxide octahedron: an efficient anode for sodium-ion batteries. <b>2021</b> , 32, 3809-3818	1
531	Nanostructured intermetallic InSb as a high-capacity and high-performance negative electrode for sodium-ion batteries. <b>2021</b> , 5, 3825-3835	1
530	Intrinsic enhancement of the rate capability and suppression of the phase transition p-type doping in Fe-Mn based P2-type cathodes used for sodium ion batteries. <b>2021</b> , 23, 5438-5446	0
529	Hybrid perovskite-like iodobismuthates as low-cost and stable anode materials for lithium-ion battery applications. <b>2021</b> , 9, 2689-2693	8
528	MOF-derived porous carbon nanofibers wrapping Sn nanoparticles as flexible anodes for lithium/sodium ion batteries. <b>2021</b> , 32, 165401	17
527	In situ construction of a stable interface induced by the SnS <sub>2</sub> ultra-thin layer for dendrite restriction in a solid-state sodium metal battery. <b>2021</b> , 9, 16039-16045	1
526	Investigation of alkali and alkaline earth solvation structures in tetraglyme solvent. <b>2021</b> , 23, 26120-26129	1
525	Organic electrode materials for non-aqueous, aqueous, and all-solid-state Na-ion batteries. <b>2021</b> , 9, 19083-19185	5
524	Preparation of intergrown P/O-type biphasic layered oxides as high-performance cathodes for sodium ion batteries. <b>2021</b> , 9, 13151-13160	6
523	Optimization of prismatic type layered electrode materials for high performance sodium battery. <b>2021</b> , 45, 8497-8507	1
522	Chalcogenide-based inorganic sodium solid electrolytes. <b>2021</b> , 9, 5134-5148	7
521	K <sup>+</sup> -stabilized nanostructured amorphous manganese dioxide: excellent electrochemical properties as cathode material for sodium-ion batteries. <b>2021</b> , 27, 1559-1567	2
520	Stable sodium metal anodes with a high utilization enabled by an interfacial layer composed of yolk-shell nanoparticles. <b>2021</b> , 9, 13200-13208	4

519	Carbon Anode Materials: A Detailed Comparison between Na-ion and K-ion Batteries. <b>2021</b> , 11, 2003640	52
518	MeTFSI (Me = Li, Na) Solvation in Ethylene Carbonate and Fluorinated Ethylene Carbonate: A Molecular Dynamics Study. <b>2021</b> , 125, 1248-1258	4
517	Freestanding Sodium Vanadate/Carbon Nanotube Composite Cathodes with Excellent Structural Stability and High Rate Capability for Sodium-Ion Batteries. <b>2021</b> , 13, 816-826	8
516	High-performance sodium-ion capacitors with SnS <sub>2</sub> /ZnS-reduced graphene oxide anodes and biomass waste-derived porous carbon cathodes. <b>2021</b> , 27, 1781-1794	2
515	Hierarchical Triple-Shelled MnCo O Hollow Microspheres as High-Performance Anode Materials for Potassium-Ion Batteries. <b>2021</b> , 17, e2007597	14
514	Synthesis and comparison of in-situ carbon-decorated sodium manganese vanadium phosphate cathode and sodium-ion full-cell configurations. <b>2021</b> , 2, 1544-1553	3
513	Predictive Maintenance and Intelligent Sensors in Smart Factory: Review. <b>2021</b> , 21,	49
512	NASICON-Type Na <sub>3</sub> Zr <sub>2</sub> Si <sub>2</sub> PO <sub>12</sub> Solid-State Electrolytes for Sodium Batteries**. <b>2021</b> , 8, 1035-1047	15
511	Electrochemical Activity of Lignin Based Composite Membranes. <b>2021</b> , 13,	2
510	Effect of TiO <sub>2</sub> Nano-Filler on Electrical Properties of Na <sup>+</sup> Ion Conducting PEO/PVDF Based Blended Polymer Electrolyte. <b>2021</b> , 31, 3430-3440	3
509	Transport of Sodium Ions in Solids: Progress in First-Principle Theoretical Formulation of Potential Solid Sodium-Ion Electrolytes. <b>2021</b> , 4, 1096-1107	2
508	Moisture-Driven Degradation Pathways in Prussian White Cathode Material for Sodium-Ion Batteries. <b>2021</b> , 13, 10054-10063	13
507	Studies on the Sodium Storage Performances of Na <sub>3</sub> Al <sub>x</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @C Composites from Calculations and Experimental Analysis. <b>2021</b> , 4, 1120-1129	3
506	Manipulating metal-sulfur interactions for achieving high-performance S cathodes for room temperature Li/Na-sulfur batteries. <b>2021</b> , 3, 253-270	7
505	Enabling Stable Zn Anode via a Facile Alloying Strategy and 3D Foam Structure. <b>2021</b> , 8, 2002184	23
504	High-Capacity and Stable Sodium-Sulfur Battery Enabled by Confined Electrocatalytic Polysulfides Full Conversion. <b>2021</b> , 31, 2100666	14
503	One-step large-scale fabrication of Bi@N-doped carbon for ultrahigh-rate and long-life sodium-ion battery anodes. <b>2021</b> , 56, 11000-11010	4
502	Sodium-ion-conducting solid polymer electrolyte: temperature-dependent ionic parameters and solid-state polymer battery fabrication. 1	2

501	P2-Type Na <sub>0.67</sub> Mn <sub>0.5</sub> Fe <sub>0.5</sub> O <sub>2</sub> Synthesized by Solution Combustion Method as an Efficient Cathode Material for Sodium-Ion Batteries. <b>2021</b> , 168, 030512	2
500	Characterization of solid biopolymer electrolytes based on kappa-carrageenan with Magnesium nitrate hexahydrate and its application to electrochemical devices. <b>2021</b> , 60, 1317-1330	
499	Theoretical investigation of the intercalation mechanism of VS <sub>2</sub> /MXene heterostructures as anode materials for metal-ion batteries. <b>2021</b> , 543, 148772	13
498	Interlayer Design of Pillared Graphite by Na-Halide Cluster Intercalation for Anode Materials of Sodium-Ion Batteries. <b>2021</b> , 6, 9492-9499	
497	Studies on the interaction of Na <sup>+</sup> ion with binary mixture of carbonate-ester solvents: A density functional theory approach. <b>2021</b> , 1849, 012024	1
496	Fundamental theoretical design of Na-ion and K-ion based double antiperovskite X <sub>6</sub> SOA <sub>2</sub> (X = Na, K; A = Cl, Br and I) halides: Potential candidate for energy storage and harvester. <b>2021</b> , 45, 13442-13460	5
495	Two-Dimensional CuGaSe <sub>2</sub> @ZnSe-NC Heterostructures for Enhanced Sodium Ion Storage. <b>2021</b> , 4, 2761-2768	2
494	Heteroatom-doped nanoporous carbon with high rate performance as anode for sodium-ion batteries. <b>2021</b> , 32, 8295-8303	0
493	Metal-Organic Frameworks and Their Derivatives: Designing Principles and Advances toward Advanced Cathode Materials for Alkali Metal Ion Batteries. <b>2021</b> , 17, e2006424	17
492	MOF-derived Al-doped Na <sub>2</sub> FePO <sub>4</sub> F/mesoporous carbon nanonetwork composites as high-performance cathode material for sodium-ion batteries. <b>2021</b> , 373, 137905	6
491	Insight into Ion Diffusion Dynamics/Mechanisms and Electronic Structure of Highly Conductive Sodium-Rich NaLaZrSiPO (0 ≤ x ≤ 0.5) Solid-State Electrolytes. <b>2021</b> , 13, 13132-13138	5
490	Revealing capacity fading in Sb-based anodes using symmetric sodium-ion cells. <b>2021</b> , 4, 024007	1
489	<sup>23</sup> Na Solid-State NMR Analyses for Na-Ion Batteries and Materials. <b>2021</b> , 4, 1267-1278	0
488	Research Progress toward Room Temperature Sodium Sulfur Batteries: A Review. <b>2021</b> , 26,	14
487	Environmental Impact of Energy Systems Integrated with Electrochemical Accumulators and Powered by Renewable Energy Sources in a Life-Cycle Perspective. <b>2021</b> , 11, 2770	1
486	Micronanostructured Design of Dendrite-Free Zinc Anodes and Their Applications in Aqueous Zinc-Based Rechargeable Batteries. <b>2021</b> , 2, 2000128	33
485	An Emerging Energy Storage System: Advanced Na-Se Batteries. <b>2021</b> , 15, 5876-5903	15
484	Effects of bismuth doping on the physical and electrochemical properties of Na <sub>3</sub> V <sub>2-x</sub> Bi <sub>x</sub> (PO <sub>4</sub> ) <sub>3</sub> /C (0 ≤ x ≤ 0.07) composite cathode materials. <b>2021</b> , 27, 2409-2419	2

483	Gradual Development of Maricite NaMnPO <sub>4</sub> with the Influence of Diol Chain Length on the Polyol Process of Surpassed Sodium Intercalation. <b>2021</b> , 60, 5861-5868	2
482	Highly Stable Zero-Stain Na <sub>2</sub> MoO <sub>4</sub> /C Nanocomposite Anode for Long Life Na-Ion Batteries. <b>2021</b> , 4, 4638-4645	
481	Metallic-State MoS Nanosheets with Atomic Modification for Sodium Ion Batteries with a High Rate Capability and Long Lifespan. <b>2021</b> , 13, 19894-19903	10
480	A VCMXene/graphene heterostructure as a sustainable electrode material for metal ion batteries. <b>2021</b> , 33,	5
479	Nanometer-size Na cluster formation in micropore of hard carbon as origin of higher-capacity Na-ion battery. <b>2021</b> , 7,	9
478	Sustainable paths to a circular economy: reusing aged Li-ion FePO <sub>4</sub> cathodes within Na-ion cells. <b>2021</b> , 4, 034002	1
477	The Mystery from Tetragonal NaVPO <sub>4</sub> F to Monoclinic NaVPO <sub>4</sub> F: Crystal Presentation, Phase Conversion, and Na-Storage Kinetics. <b>2021</b> , 11, 2100627	2
476	Impact of Polypyrrole Functionalization on the Anodic Performance of Boron Nitride Nanosheets: Insights From First-Principles Calculations. <b>2021</b> , 9, 670833	5
475	Mn doping on Mössbauer spectroscopy of maricite-NaFePO <sub>4</sub> as cathode material. <b>2021</b> , 330, 427	1
474	Controllable construction of yolk-shell Sn <sub>2</sub> O <sub>3</sub> @void@C and its advantages in Na-ion storage. <b>2021</b> , 40, 2392-2401	6
473	Comparison of Ionic Transport Properties of Non-Aqueous Lithium and Sodium Hexafluorophosphate Electrolytes. <b>2021</b> , 168, 040538	6
472	Engineering hard carbon with high initial coulomb efficiency for practical sodium-ion batteries. <b>2021</b> , 492, 229656	12
471	Sodium de-insertion processes in single Na TMO <sub>2</sub> particles studied by an electrochemical collision method: O3 phases versus P2 phases. <b>2021</b> , 125, 107000	0
470	Electrochemical storage behavior of NiCo <sub>2</sub> O <sub>4</sub> nanoparticles anode with structural and morphological evolution in lithium-ion and sodium-ion batteries. <b>2021</b> , 45, 15036-15048	4
469	Layered P3-Type KFeMnTiO as a Low-Cost and Zero-Strain Electrode Material for both Potassium and Sodium Storage. <b>2021</b> , 13, 18897-18904	4
468	Recent advances in anode materials for potassium-ion batteries: A review. 1	23
467	Crystal, interfacial and morphological control of electrode materials for nonaqueous potassium-ion batteries. <b>2021</b> , 37, 101074	16
466	Optimizing the Mg Doping Concentration of Na <sub>3</sub> V <sub>2</sub> Mgx(PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> /C for Enhanced Sodiation/Desodiation Properties. <b>2021</b> , 9, 6962-6971	4

465	Interface-Driven Thermoelectric Switching Performance of VO <sup>+</sup> -Diffused Soda-Lime Glass. <b>2021</b> , 15, 2100077	
464	Ultra-stable carbon-coated sodium vanadium phosphate as cathode material for sodium-ion battery. <b>1</b>	11
463	The study of sodium-vanadium oxide NaV <sub>3</sub> O <sub>8</sub> as an electrode material for all-solid-state sodium-ion batteries. <b>2021</b> , 864, 158516	0
462	Pentary transition-metals Na-ion layered oxide cathode with highly reversible O <sub>3</sub> -P <sub>3</sub> phase transition. <b>2021</b> , 412, 128704	4
461	Ultrafine TiO <sub>2</sub> Nanoparticle Supported Nitrogen-Rich Graphitic Porous Carbon as an Efficient Anode Material for Potassium-Ion Batteries. <b>2021</b> , 2, 2100042	2
460	A comprehensive review on recent advances of polyanionic cathode materials in Na-ion batteries for cost effective energy storage applications. <b>2021</b> , 10, e400	6
459	Sodium superionic conductor NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> surface layer modified P <sub>2</sub> -type Na <sub>2</sub> /3Ni <sub>1</sub> /3Mn <sub>2</sub> /3O <sub>2</sub> as high-performance cathode for sodium-ion batteries. <b>2021</b> , 494, 229771	7
458	Robust, freestanding, and bendable multi-walled carbon nanotube buckypapers as electrode materials for quasi-solid-state potassium-ion supercapacitors. <b>2021</b> , 115, 108354	3
457	MOF derived double-carbon layers boosted the lithium/sodium storage performance of SnO nanoparticles. <b>2021</b> , 32,	2
456	P <sub>2</sub> -Na <sub>2</sub> /3Mn <sub>0.8</sub> M <sub>0.1</sub> M <sub>0.1</sub> O <sub>2</sub> (M = Zn, Fe and M <sup>?</sup> = Cu, Al, Ti): A Detailed Crystal Structure Evolution Investigation. <b>2021</b> , 33, 3905-3914	3
455	Architecturing aligned orthorhombic Nb <sub>2</sub> O <sub>5</sub> nanowires toward sodium-ion hybrid capacitor and Lithium-Sulfur battery applications. <b>2021</b> , 27, 100236	8
454	Potential Applications of MoS <sub>2</sub> /M <sub>2</sub> CS <sub>2</sub> (M = Ti, V) Heterostructures as Anode Materials for Metal-Ion Batteries. <b>2021</b> , 125, 10226-10234	4
453	Controllable Insertion Mechanism of Expanded Graphite Anodes Employing Conversion Reaction Pillars for Sodium-Ion Batteries. <b>2021</b> , 13, 24070-24080	8
452	Aluminum and lithium sulfur batteries: a review of recent progress and future directions. <b>2021</b> , 33,	3
451	Ionic Liquid (IL) Laden Metal-Organic Framework (IL-MOF) Electrolyte for Quasi-Solid-State Sodium Batteries. <b>2021</b> , 13, 24662-24669	10
450	Origin of High Ionic Conductivity of Sc-Doped Sodium-Rich NASICON Solid-State Electrolytes. <b>2021</b> , 31, 2102129	9
449	Sulfur vacancies and morphology dependent sodium storage properties of MoS and its sodiation/desodiation mechanism. <b>2021</b> , 589, 147-156	11
448	Li <sup>+</sup> Redox Enhanced Sodium Metal Batteries by Using Graphene Oxide Encapsulated Mesoporous Carbon Sphere Cathode. <b>2021</b> , 31, 2101637	2



447	Controlling intercalation sites of hard carbon for enhancing Na and K storage performance. <b>2021</b> , 411, 128490	21
446	Recent Advances on Sodium-Ion Batteries and Sodium Dual-Ion Batteries: State-of-the-Art Na+ Host Anode Materials. <b>2021</b> , 1, 2100014	32
445	Nanostructured arrays for metal-ion battery and metal-air battery applications. <b>2021</b> , 493, 229722	8
444	Na FePO <sub>4</sub> /F/Biocarbon Nanocomposite Hollow Microspheres Derived from Biological Cell Template as High-Performance Cathode Material for Sodium-Ion Batteries. <b>2021</b> , 27, 9022-9030	3
443	Recent developments of Na <sub>4</sub> M <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> (P <sub>2</sub> O <sub>7</sub> ) as the cathode material for alkaline-ion rechargeable batteries: challenges and outlook. <b>2021</b> , 37, 243-273	10
442	Rapid mechanochemical synthesis of polyanionic cathode with improved electrochemical performance for Na-ion batteries. <b>2021</b> , 12, 2848	29
441	Enhanced Performance of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene) Electrodes in Concentrated ZnCl <sub>2</sub> Solutions: A Combined Electrochemical and EQCM-D Study. <b>2021</b> , 38, 535-541	13
440	Investigations on Na-ion conducting electrolyte based on sodium alginate biopolymer for all-solid-state sodium-ion batteries. <b>2021</b> , 25, 2009-2020	4
439	Tailoring nanostructured transition metal phosphides for high-performance hybrid supercapacitors. <b>2021</b> , 38, 101201	19
438	Life cycle costing of thermal energy storage system using CAPEX and OPEX. <b>2021</b> , 35, 3223-3229	
437	Structural Origins of Voltage Hysteresis in the Na-Ion Cathode P <sub>2</sub> -Na[MgMn]O: A Combined Spectroscopic and Density Functional Theory Study. <b>2021</b> , 33, 4890-4906	7
436	Doping-induced polymorph transformation to boost ultrafast sodium storage in hierarchical CoSe <sub>2</sub> -carbon arrays. <b>2021</b> , 20, 100631	6
435	Oxygen Vacancy Engineering in Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> for Boosting Sodium Storage Kinetics. <b>2021</b> , 8, 2100188	9
434	Chemical Heterointerface Engineering on Hybrid Electrode Materials for Electrochemical Energy Storage.. <b>2021</b> , 5, e2100444	21
433	Synergetic Strategy for the Fabrication of Self-Standing Distorted Carbon Nanofibers with Heteroatom Doping for Sodium-Ion Batteries. <b>2021</b> , 6, 15686-15697	4
432	Flexible sodium-ion batteries using electrodes from Samanea saman tree leaf-derived carbon quantum dots decorated with SnO <sub>2</sub> and NaVO <sub>3</sub> . <b>2021</b> , 5, 354-374	3
431	Growth of cobalt hexacyanoferrate particles through electrodeposition and chemical etching of cobalt precursors on reticulated vitreous carbon foams for Na-ion electrochemical storage. <b>2021</b> , 116, 106603	3
430	High ionic conductivity and dendrite-resistant NASICON solid electrolyte for all-solid-state sodium batteries. <b>2021</b> , 20, 100691	16

429	Self-Assembled VS4 Hierarchitectures with Enhanced Capacity and Stability for Sodium Storage.	9
428	Optical and AC conductivity behavior of sodium orthosilicate Na <sub>2</sub> CoSiO <sub>4</sub> . <b>2021</b> , 867, 159099	2
427	Universal synthesis of free-standing metal-sulfides@Metal@Multi-walled carbon nanotube anode for high-performance sodium ion battery. <b>2021</b> , 414, 128732	5
426	A computational study on the novel defects of graphene quantum dot as a promising anode material for sodium ion battery. <b>2021</b> , 265, 124484	2
425	Forging Inspired Processing of Sodium-Fluorinated Graphene Composite as Dendrite-Free Anode for Long-Life Na//O <sub>2</sub> Cells.	1
424	Anion-Derived Solid-Electrolyte Interphase Enables Long Life Na-Ion Batteries Using Superconcentrated Ionic Liquid Electrolytes. <b>2021</b> , 6, 2481-2490	6
423	Spartina alterniflora-derived porous carbon using as anode material for sodium-ion battery. <b>2021</b> , 777, 146120	2
422	Flexible polytriphenylamine-based cathodes with reinforced energy-storage capacity for high-performance sodium-ion batteries. 1	0
421	Black Phosphorus/Nanocarbons Constructing a Dual-Carbon Conductive Network for High-Performance Sodium-Ion Batteries. 1	1
420	Hydrothermal synthesis of MnO <sub>2</sub> nanorods for highly efficient zinc-ion storage. <b>2021</b> , 27, 3943-3950	1
419	SnS/SnS <sub>2</sub> /rGO heterostructure with fast kinetics enables compact sodium ion storage. <b>2021</b> , 28, 100259	7
418	Nanostructured MoS <sub>2</sub> -, SnS <sub>2</sub> -, and WS <sub>2</sub> -Based Anode Materials for High-Performance Sodium-Ion Batteries via Chemical Methods: A Review Article. <b>2021</b> , 9, 2100179	0
417	Size Effect of Organosulfur and In Situ Formed Oligomers Enables High-Utilization Na-Organosulfur Batteries. <b>2021</b> , 33, e2100824	4
416	Recent Advances in Electrode Materials with Anion Redox Chemistry for Sodium-Ion Batteries. <b>2021</b> , 2021, 1-22	9
415	Novel antimony phosphate loaded on grid-like N, S-doped carbon for facilitating sodium-ion storage. <b>2021</b> , 415, 128942	5
414	Germanene Nanosheets: Achieving Superior Sodium-Ion Storage via Pseudointercalation Reactions. <b>2021</b> , 2, 2100041	7
413	Conjugated microporous polymers for energy storage: Recent progress and challenges. <b>2021</b> , 85, 105958	32
412	Metal-organic framework derived FeS/MoS <sub>2</sub> composite as a high performance anode for sodium-ion batteries. <b>2021</b> , 869, 159348	7

411	Construction of high performance N-doped Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> /C cathode assisting by plasma enhanced chemical vapor deposition for sodium-ion batteries. <b>2021</b> , 383, 138370	1
410	3D Printed Micro-Electrochemical Energy Storage Devices: From Design to Integration. <b>2021</b> , 31, 2104909	20
409	Iron substitution in Na <sub>4</sub> VMn(PO <sub>4</sub> ) <sub>3</sub> as a strategy for improving the electrochemical performance of sodium-ion batteries. <b>2021</b> , 895, 115533	4
408	Effects of Cr doping on structural and electrochemical properties of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanostructure for sodium-ion battery anode. <b>2021</b> , 59, 465-472	6
407	Modelling of GO/PPy/CB and rGO/PPy/CB nanocomposite supercapacitors using an electrical equivalent circuit. <b>2021</b> , 27, 4531-4547	0
406	Influence of Flow Field Design on Zinc Deposition and Performance in a Zinc-Iodide Flow Battery. <b>2021</b> , 13, 41563-41572	1
405	Recent advances in emerging nonaqueous K-ion batteries: from mechanistic insights to practical applications. <b>2021</b> , 39, 305-346	9
404	Insights of the Electrochemical Reversibility of P2-Type Sodium Manganese Oxide Cathodes via Modulation of Transition Metal Vacancies. <b>2021</b> , 13, 38305-38314	4
403	Solid Electrolyte Interphase Composition Regulation via Coating AlF <sub>3</sub> for a High-Performance Hard Carbon Anode in Sodium-Ion Batteries. <b>2021</b> , 4, 8242-8251	1
402	Machine Learning-Aided Materials Design Platform for Predicting the Mechanical Properties of Na-Ion Solid-State Electrolytes. <b>2021</b> , 4, 7862-7869	4
401	Hydrogenated borophene/blue phosphorene: A novel two-dimensional donor-acceptor heterostructure with shrunken interlayer distance as a potential anode material for Li/Na ion batteries. <b>2021</b> , 155, 110108	2
400	Feasibility of using the anode functionalized with Calix[4]pyridine in lithium and sodium atom/ion batteries: DFT study. <b>2021</b> , 1202, 113332	
399	Heat treatment-induced Co <sup>3+</sup> enrichment in CoFePBA to enhance OER electrocatalytic performance. <b>2021</b> ,	3
398	Carbon nanotube-based nanomaterials for high-performance sodium-ion batteries: Recent advances and perspectives. <b>2021</b> , 873, 159742	23
397	P2-K <sub>0.76</sub> Fe <sub>0.2</sub> Mg <sub>0.1</sub> Mn <sub>0.7</sub> O <sub>2</sub> made from earth-abundant elements for rechargeable potassium ion battery. e277	0
396	Cobalt Selenide Hollow Polyhedron Encapsulated in Graphene for High-Performance Lithium/Sodium Storage. <b>2021</b> , 17, e2102893	13
395	Na <sub>9</sub> In(MoO <sub>4</sub> ) <sub>6</sub> : synthesis, crystal structure, and Na <sup>+</sup> ion diffusion. <b>2021</b> , 27, 4281-4293	0
394	Synthesis of High-Performance Hard Carbon from Waste Coffee Ground as Sodium Ion Battery Anode Material: A Review. 1044, 25-39	

393	Graphdiyne $\pi$ -Two-Dimensional Cathode for Aluminum Dual-Ion Batteries with High Specific Capacity and Diffusivity. <b>2021</b> , 4, 7786-7799	1
392	Green chemical delithiation of lithium iron phosphate for energy storage application. <b>2021</b> , 418, 129191	4
391	Accessing a high-voltage nonaqueous hybrid flow battery with a sodium-methylphenothiazine chemistry and a sodium-ion solid electrolyte. e281	0
390	Black phosphorus-based materials for energy storage and electrocatalytic applications. <b>2021</b> , 3, 042002	1
389	Sodium and lithium incorporated cathode materials for energy storage applications - A focused review. <b>2021</b> , 506, 230098	3
388	Size Effects in Sodium Ion Batteries. <b>2021</b> , 2106047	7
387	Review on recent progress in Manganese-based anode materials for sodium-ion batteries.	2
386	Superior Sodium Storage Properties in the Anode Material NiCr S for Sodium-Ion Batteries: An X-ray Diffraction, Pair Distribution Function, and X-ray Absorption Study Reveals a Conversion Mechanism via Nickel Extrusion. <b>2021</b> , 33, e2101576	3
385	Solid-state Li metal battery enabled by cold sintering at 120 $^{\circ}$ C. <b>2021</b> , 20, 100476	3
384	Highly Graphitic N-Doped Biomass-Derived Hard Carbon with a Low Operating Potential for Potassium-Ion Batteries. 2100644	1
383	Recent progress of asymmetric solid-state electrolytes for lithium/sodium-metal batteries. <b>2021</b> , 3, 100058	10
382	Materials design and fundamental understanding of tellurium-based electrochemistry for rechargeable batteries. <b>2021</b> , 40, 166-188	6
381	Bimetallic alloy SbSn nanodots filled in electrospun N-doped carbon fibers for high performance Na-ion battery anode. <b>2021</b> , 389, 138246	3
380	Electrochemical lithium and sodium insertion studies in 3D metal oxy-phosphate framework MoWO <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> for battery applications. <b>2021</b> , 25, 2675	
379	NaFSI and NaTFSI Solutions in Ether Solvents from Monoglyme to Poly(ethylene oxide)-A Molecular Dynamics Study. <b>2021</b> , 125, 10293-10303	1
378	Layered Na <sub>x</sub> CoO <sub>2</sub> -based cathodes for advanced Na-ion batteries: review on challenges and advancements. <b>2021</b> , 27, 4549	1
377	Impact of Synthesis Conditions in Na-Rich Prussian Blue Analogues. <b>2021</b> , 13, 42682-42692	4
376	Corn stalks derived hierarchical porous carbon as ultra-efficient anode materials for sodium-ion batteries. <b>2021</b> , 120, 108626	3

375	High-safety separators for lithium-ion batteries and sodium-ion batteries: advances and perspective. <b>2021</b> , 41, 522-545	37
374	Electrophoretic deposition of metal-organic framework derived porous copper oxide anode for lithium and sodium ion rechargeable cells. <b>2021</b> , 879, 160462	4
373	Ni-doped Co <sub>3</sub> O <sub>4</sub> spheres decorated on CNTs nest-like conductive framework as efficiently stable hybrid anode for Na-ion batteries. <b>2021</b> , 47, 27854-27862	0
372	Synthesis of NiS <sub>2</sub> /reduced graphene oxide nanocomposites as anodes materials for high-performance Sodium and Potassium ion batteries. <b>2021</b> , 142, 111430	7
371	Improvement of electrochemical performance of Mn-Fe based compound Na <sub>0.69</sub> Mn(0.92 $\times$ )Fe <sub>0.08</sub> Mg <sub>x</sub> O <sub>2</sub> . <b>2021</b> , 878, 160427	1
370	Achieving highly reversible and fast sodium storage of Na <sub>4</sub> V <sub>2</sub> Mn(PO <sub>4</sub> ) <sub>3</sub> /C-rGO composite with low-fraction rGO via spray-drying technique. <b>2021</b> , 89, 106462	14
369	Conductive metal-organic frameworks for electrochemical energy conversion and storage. <b>2021</b> , 446, 214119	19
368	Recent progress on heterostructure materials for next-generation sodium/potassium ion batteries. <b>2021</b> , 151, 111640	10
367	High performance anode for sodium-ion batteries: Calcium pre-intercalated layered vanadium oxide/carbon composite. <b>2021</b> , 424, 130378	4
366	SnSe <sub>2</sub> monolayer is a promising Na host material: A DFT study. <b>2021</b> , 136, 106175	0
365	Strategies to improve the performance of phosphide anodes in sodium-ion batteries. <b>2021</b> , 90, 106475	11
364	Two dimension transition metal boride Y <sub>2</sub> B <sub>2</sub> as a promising anode in Li-ion and Na-ion batteries. <b>2021</b> , 200, 110776	4
363	A high rate and long-cycle-life anode based on micrometer-sized Pb powder for sodium-ion batteries. <b>2021</b> , 886, 161240	1
362	Sodium hypophosphite-assist pyrolysis of coal pitch to synthesis P-doped carbon nanosheet anode for ultrafast and long-term cycling sodium-ion batteries. <b>2022</b> , 889, 161678	1
361	Microstructure controlled synthesis of Ni, N-codoped CoP/carbon fiber hybrids with improving reaction kinetics for superior sodium storage. <b>2022</b> , 99, 184-192	3
360	Tin phosphide-carbon composite as a high-performance anode active material for sodium-ion batteries with high energy density. <b>2022</b> , 64, 463-474	4
359	Effective resistance to dendrite growth of NASICON solid electrolyte with lower electronic conductivity. <b>2022</b> , 427, 130899	4
358	The improved cycling stability and rate capability of Nb-doped NaV <sub>3</sub> O <sub>8</sub> cathode for sodium-ion batteries. <b>2022</b> , 890, 161885	5

357	Perovskite fluoride KMF <sub>3</sub> (M = Ni or Co)@reduced graphene oxide anode for Na-based dual-ion batteries. <b>2022</b> , 891, 161905		0
356	A safe, low-cost and high-efficiency presodiation strategy for pouch-type sodium-ion capacitors with high energy density. <b>2022</b> , 64, 442-450		13
355	Nitrogen-doped TiO <sub>2</sub> nanotube anode enabling improvement of electronic conductivity for fast and long-term sodium storage. <b>2022</b> , 889, 161612		3
354	High-crystallinity and high-rate Prussian Blue analogues synthesized at the oil/water interface. <b>2021</b> , 8, 2008-2016		6
353	Carbon-Based Nanocomposites: Processing, Electronic Properties and Applications. <b>2021</b> , 97-122		
352	Three-dimensional microspheres constructed with MoS nanosheets supported on multiwalled carbon nanotubes for optimized sodium storage. <b>2021</b> , 13, 9328-9338		6
351	A conjugated tetracarboxylate anode for stable and sustainable Na-ion batteries. <b>2021</b> , 57, 2360-2363		4
350	Potassium-ion batteries: outlook on present and future technologies. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 2186-2243	35-4	130
349	Applications of quantum dots in batteries. <b>2021</b> , 287-318		0
348	Revealing the Sodium Storage Behavior of Biomass-Derived Hard Carbon by Using Pure Lignin and Cellulose as Model Precursors.		
347	A mechanistic study of electrode materials for rechargeable batteries beyond lithium ions by in situ transmission electron microscopy. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 2670-2707	35-4	10
346	Recent progress in water-in-salt and water-in-salt hybrid-electrolyte-based high voltage rechargeable batteries. <b>2021</b> , 5, 1619-1654		7
345	PANI/g-C <sub>3</sub> N <sub>4</sub> composite over ZnCo <sub>2</sub> O <sub>4</sub> /Ni-foam, a bi-functional electrode as a supercapacitor and electrochemical glucose sensor. <b>2021</b> , 5, 3987-4001		2
344	Crucial Challenges and Recent Optimization Progress of Metal-Sulfur Battery Electrolytes. <b>2021</b> , 35, 1966-1988		14
343	Recent progress of emerging cathode materials for sodium ion batteries. <b>2021</b> , 5, 3735-3764		43
342	Prediction of chemically ordered dual transition metal carbides (MXenes) as high-capacity anode materials for Na-ion batteries. <b>2021</b> , 13, 7234-7243		5
341	Enhanced Reversible Sodium-Ion Intercalation by Synergistic Coupling of Few-Layered MoS <sub>2</sub> and S-Doped Graphene. <b>2017</b> , 27, 1702562		116
340	Nano Polymorphism-Enabled Redox Electrodes for Rechargeable Batteries. <b>2021</b> , 33, e2004920		13

- 339 A Halogen-Free and Flame-Retardant Sodium Electrolyte Compatible with Hard Carbon Anodes. 2101135 2
- 338 Selenium Impregnated Monolithic Carbons as Free-Standing Cathodes for High Volumetric Energy Lithium and Sodium Metal Batteries. **2018**, 8, 1701918 103
- 337 Conductive Na<sub>2</sub>Zn<sub>2</sub>TeO<sub>6</sub> Filler Modified Gel Polymer Electrolyte Membranes for Application in Sodium-Ions Batteries. **2020**, 7, 5021-5028 1
- 336 General One-Pot Synthesis of Transition-Metal Phosphide/Nitrogen-Doped Carbon Hybrid Nanosheets as Ultrastable Anodes for Sodium-Ion Batteries. **2018**, 24, 1253-1258 22
- 335 Carbon Nanosheet Anode for Sodium-Ion Storage and Its Application in Sodium-Ion Hybrid Capacitors. **2020**, 5, 5824-5830 3
- 334 Glasses and Glass-Ceramics for Solid-State Battery Applications. **2019**, 1697-1754 2
- 333 Synthesis of high-performance Mo<sub>2</sub>S<sub>3</sub>/NiS<sub>2</sub>-RGO anode materials and its applications in sodium-ion batteries and sodium-ion capacitors. **2020**, 26, 4499-4510 6
- 332 Anodic lithium ion battery material with negative thermal expansion. **2020**, 46, 19127-19134 3
- 331 Nd<sup>3+</sup> doped BaSnF<sub>4</sub> solid electrolyte for advanced room-temperature solid-state fluoride ion batteries. **2020**, 46, 20521-20528 5
- 330  $\text{V}_2\text{O}_5$ : A new high voltage cathode material for sodium-ion battery. **2017**, 252, 4-11 22
- 329 Upgrading agricultural biomass for sustainable energy storage: Bioprocessing, electrochemistry, mechanism. **2020**, 31, 274-309 17
- 328 Rod-shaped monoclinic CoMo<sub>2</sub>S<sub>4</sub> with exceptionally reversible phase conversion for sodium storage. **2020**, 838, 155613 6
- 327 Solid state reaction-enabled in situ construction of ultrafine CoS nanoparticles encapsulated within heteroatom-doped carbon scaffold for high performance sodium-ion batteries. **2020**, 110, 71-78 5
- 326 Sodium-ion diffusion in alluaudite Na<sub>5</sub>In(MoO<sub>4</sub>)<sub>4</sub>. **2020**, 351, 115328 7
- 325 Synthesis of micro-sized porous antimony via vapor dealloying for high-performance Na-ion battery anode. **2020**, 352, 115365 3
- 324 Comparative Study of Li-CO and Na-CO Batteries with Ru@CNT as a Cathode Catalyst. **2021**, 13, 480-490 14
- 323 Revisiting the NaNiMnO Cathode: Oxygen Redox Chemistry and Oxygen Release Suppression. **2020**, 6, 232-240 66
- 322 Polymer based solid complexes for electrolytes in sodium ion battery applications. **2020**, 3

321	Exploration of MXene/polyaniline composites as promising anode materials for sodium ion batteries. <b>2021</b> , 54, 064001	4
320	Rechargeable Na-CO Batteries Starting from Cathode of NaCO and Carbon Nanotubes. <b>2018</b> , 2018, 6914626	21
319	Effect of Vinylene Carbonate Electrolyte Additive on the Surface Chemistry and Pseudocapacitive Sodium-Ion Storage of TiO <sub>2</sub> Nanosheet Anodes. <b>2021</b> , 7, 1	4
318	Solvent-Dictated Sodium Sulfur Redox Reactions: Investigation of Carbonate and Ether Electrolytes. <b>2020</b> , 13, 836	13
317	Triclinic Na <sub>3.12</sub> Co <sub>2.44</sub> (P <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> as a High Redox Potential Cathode Material for Na-Ion Batteries. <b>2020</b> , 11, 187-194	2
316	Pyro-synthesis of Na <sub>2</sub> FeP <sub>2</sub> O <sub>7</sub> Nano-plates as Cathode for Sodium-ion Batteries with Long Cycle Stability. <b>2016</b> , 53, 406-410	7
315	Mechanisms of Na adsorption on graphene and graphene oxide: density functional theory approach. <b>2015</b> , 16, 116-120	65
314	Recent progress in the synthesis and applications of vertically aligned carbon nanotube materials. <b>2021</b> , 10, 1592-1623	2
313	Reliability of electrode materials for supercapacitors and batteries in energy storage applications: a review. 1	1
312	Rechargeable Sodium-Ion Battery Based on Polyazaacene Analogue Anode. <b>2021</b> , 27, 16754-16759	0
311	Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Revisited: A High-Resolution Solid-State NMR Study.	1
310	Ultrafast synthesis of hard carbon anodes for sodium-ion batteries. <b>2021</b> , 118,	9
309	Toward High Performance All Solid-State Na Batteries: Investigation of Electrolytes Comprising NaPF <sub>6</sub> , Poly(ethylene oxide) and TiO <sub>2</sub> .	3
308	Peculiarities of Phase Formation in Mn-Based Na Superionic Conductor (NaSiCon) Systems: The Case of Na Mn Ti (PO) (0.0 $\square$ 1.5).. <b>2021</b> , 33, 8394-8403	2
307	Development and Evaluation of Sn Foil Anode for Sodium-Ion Batteries. <b>2021</b> , e2102618	3
306	Improved Na <sup>+</sup> ion storage capacity of Na <sub>2</sub> O-Bi <sub>2</sub> O <sub>3</sub> glass anode network: effect of TiO <sub>2</sub> nanocrystals. <b>2022</b> , 28, 307	0
305	Na-ion conductivity of NaFeO <sub>2</sub> synthesized from an EDTA chelate complex. <b>2021</b> , 134, 108913	1
304	Transport properties and solvation state of magnesium salts dissolved in propylene carbonate and $\epsilon$ -butyrolactone: A comparison with monovalent cation counterparts. <b>2021</b> , 344, 117692	1



- 303 Facile Synthesis of  $\beta$ -Fe<sub>2</sub>O<sub>3</sub> Nanorods Derived from  $\beta$ -FeOOH Nanorods and Its Application as Anode Materials for Rechargeable Sodium-Ion Batteries. **2014**, 883-890
- 302 Decorated and Modified Graphenes as Electrodes in Na and Li-Ion Batteries. **2017**, 153-162
- 301 Reversible intercalation of lithium and sodium ions into layered and tunnel structured manganese oxides: one-dimensional versus two-dimensional diffusion. **2017**, 1
- 300 The ion dependent change in the mechanism of charge storage of chemically preintercalated bilayered vanadium oxide electrodes. **2017**, 1
- 299 Carbon Nanomaterials for Na-Ion Batteries. **2017**, 27-37
- 298 Unveiled Correlations between Electron Affinity and Solvation in Redox Potential of Quinone-Based Sodium-Ion Batteries. 1
- 297 General Introduction. **2019**, 1-28
- 296 Carbon-Based Materials for Advanced Potassium-Ion Batteries Anode. **2019**, 347-368
- 295 Cathode Materials, Samples, Pristine, Layered, Doping, Discharge Capacity. **2019**, 73-161
- 294 Effect of annealing on electrochemical stability of chemically preintercalated bilayered vanadium oxide cathodes in batteries. **2019**,
- 293 Polymer Electrolyte Membranes Consisting of PVA-g-POEM Graft Copolymers for Supercapacitors. **2019**, 29, 323-328
- 292 How Temperature, Pressure, and Salt Concentration Affect Correlations in LiTFSI/EMIM-TFSI Electrolytes: A Molecular Dynamics Study. **2021**, 125, 12292-12302 1
- 291  $\text{EVO}_2$ /carbon nanotubes core-shelled microspheres and their applications for advanced cathode in aqueous zinc ion batteries. **2021**, 400, 139425 2
- 290 Stable Na-ion supercapacitor under non-ambient conditions using maricite- $\text{NaMnPO}_4$  nanoparticles. **2021**, 516, 230679 4
- 289 Siloxane-Modified, Silica-Based Ionogel as a Pseudosolid Electrolyte for Sodium-Ion Batteries. **2021**, 4, 154-163 3
- 288 Chemical Stability and Degradation Mechanism of Solid Electrolytes/Aqueous Media at a Steady State for Long-Lasting Sodium Batteries. **2021**, 33, 126-135 6
- 287 The role and the necessary features of electrolytes for microsupercapacitors. **2022**, 47-116 0
- 286 Effect of carbon shell over  $\text{NaCrO}_2$  core by  $\text{C}_2\text{H}_2$  decomposition to enhance electrochemical properties for rechargeable Sodium-ion batteries. **2022**, 573, 151449 0

- 285 PBA composites and their derivatives in energy and environmental applications. **2022**, 451, 214260 12
- 284 Pseudocapacitance-boosted ultrafast and stable Na-storage in NiTe coupled with N-doped carbon nanosheets for advanced sodium-ion half/full batteries. **2021**, 50, 17241-17248 1
- 283 High-Temperature Battery Technologies: Na-S. 1-35
- 282 Metal Sulfides for K-Ion Batteries. **2020**, 313-336
- 281 Clarifying the Roles of Cobalt and Nickel in the Structural Evolution of Layered Cathodes for Sodium-Ion Batteries. **2021**, 21, 9619-9624 1
- 280 Self-Standing, Collector-Free Maricite NaFePO<sub>4</sub>/Carbon Nanofiber Cathode Endowed with Increasing Electrochemical Activity. 1
- 279 Investigation of Parameters Influencing the Producibility of Anodes for Sodium-Ion Battery Cells. **2021**, 171-181 1
- 278 Unraveling the Roles of La Substitution for Different Transition Metals on P2-Na<sub>0.67</sub>Mn<sub>0.6</sub>Ni<sub>0.2</sub>Co<sub>0.2</sub>O<sub>2</sub> Cathode Materials. **2020**, 167, 160506 2
- 277 A niobium-substituted sodium superionic conductor with conductivity higher than 5.5 mS cm<sup>-1</sup> prepared by solution-assisted solid-state reaction method. **2022**, 518, 230765 1
- 276 Insights into the diverse precursor-based micro-spherical hard carbons as anode materials for sodium-ion and potassium-ion batteries. 1
- 275 P2-Na<sub>0.55</sub>[Mg<sub>0.25</sub>Mn<sub>0.75</sub>]O<sub>2</sub>: An SEI-free anode for long-life and high-rate Na-ion batteries. **2022**, 45, 92-100 1
- 274 Pushing the boundaries of lithium battery research with atomistic modelling on different scales. 2
- 273 Improving the Comprehensive Performance of NaMnO for Sodium Ion Batteries by ZrO Atomic Layer Deposition. **2021**, 13, 54884-54893 1
- 272 Theoretical study of SnS<sub>2</sub> encapsulated in Graphene as a promising anode material for K-ion batteries. **2021**,
- 271 Rechargeable Mg/Li, Mg/Na, and Mg/K Hybrid Batteries Based on Layered VS. **2021**, 13, 57252-57263 0
- 270 Promoting Electrochemical Performance of TiCO MXene-Based Electrodes of Alkali-Ion Batteries via S Doping: Theoretical Insight. **2021**, 13, 57306-57316 5
- 269 A review on energy storage devices based on rylene imide dyes: Synthesis, applications and challenges. **2021**, 310, 122487 5
- 268 Fabrication and testing of sodium-ion full cell with P2-Na<sub>0.67</sub> Ni<sub>0.167</sub> Co<sub>0.167</sub> Mn<sub>0.67</sub>O<sub>2</sub> (Na-NCM) and hard carbon in coin cell and 2 Ah prismatic cell configuration. **2021**,

267	Effect of Zn-substitution induced structural regulation on sodium storage performance of Fe-based Prussian blue. <b>2021</b> , 433, 133739	3
266	Confinement of TiO <sub>2</sub> quantum dots in graphene nanoribbons for high-performance lithium and sodium ion batteries. <b>2021</b> , 898, 162856	4
265	Eliciting Specific Electrochemical Reaction Behavior by Rational Design of a Red Phosphorus Electrode for Sodium-Ion Batteries. <b>2021</b> , 11,	0
264	Low-Temperature Synthesis of Amorphous FePO@rGO Composites for Cost-Effective Sodium-Ion Batteries. <b>2021</b> , 13, 57442-57450	4
263	Na Diffusion in Hard Carbon Studied with Positive Muon Spin Rotation and Relaxation.	0
262	Post-Synthetic and In Situ Vacancy Repairing of Iron Hexacyanoferrate Toward Highly Stable Cathodes for Sodium-Ion Batteries. <b>2021</b> , 14, 9	1
261	Ultrafast and Ultrastable Heteroarchitected Porous Nanocube Anode Composed of CuS/FeS Embedded in Nitrogen-Doped Carbon for Use in Sodium-Ion Batteries. <b>2021</b> , e2105310	6
260	Facile strategy of using conductive additive supported NaMnPO <sub>4</sub> nanoparticles for delivering high performance Na-ion supercapacitors. <b>2022</b> , 902, 163733	2
259	Flexible Composite Solid Electrolyte with 80 wt% Na <sub>3.4</sub> Zr <sub>1.9</sub> Zn <sub>0.1</sub> Si <sub>2.2</sub> P <sub>0.8</sub> O <sub>12</sub> for Solid-State Sodium Batteries. <b>2022</b> ,	4
258	Dual-carbon decorated Na <sub>3</sub> Mn <sub>2</sub> (P <sub>2</sub> O <sub>7</sub> )(PO <sub>4</sub> ) nanocomposite via freeze drying: A zero-strain cathode material for sodium ion batteries. <b>2022</b> , 521, 230927	2
257	Inhibiting structural degeneration of MoSe <sub>2</sub> anode with dual-layer protection for highly robust Na-ion battery. <b>2022</b> , 278, 125681	2
256	Introducing the potency of new boron-based heterocyclic anion receptor additives to regulate the solvation and transport properties of Li-ions in ethylene carbonate electrolyte of Li-Ion battery: An atomistic molecular dynamics study. <b>2022</b> , 521, 230962	2
255	Atomic layer deposition-based synthesis of TiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> thin-film coatings on nanoparticle powders for sodium-ion batteries with enhanced cyclic stability. <b>2022</b> , 897, 163113	1
254	Construction of three-dimensional electronic interconnected Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C as cathode for sodium ion batteries. <b>2022</b> , 899, 163363	3
253	Design and synthesis of Mo <sub>2</sub> C/N, S co-doped porous carbon composites with enhanced electrochemical performance for sodium-ion batteries. <b>2022</b> , 901, 163618	0
252	Tailoring interphase structure to enable high-rate, durable sodium-ion battery cathode. <b>2022</b> , 68, 564-571	1
251	2D MoS <sub>2</sub> -MoSe <sub>2</sub> and MoS <sub>2</sub> -NbS <sub>2</sub> Lateral Hetero Structures as Anode Materials for LIBs/SIBs.	1
250	Fluorine-Doped Hard Carbon as the Advanced Performance Anode Material of Sodium-Ion Batteries. 1	1

- 249 Ionic liquids for sustainable energy-storage devices. **2022**, 189-205
- 248 First-Principles Plane-Wave-Based Exploration of Cathode and Anode Materials for Li- and Na-Ion Batteries Involving Complex Nitrogen-Based Anions. **2022**, 34, 652-668 2
- 247 Insights into the intermolecular interactions and temperature-concentration dependence of transport in ionic liquid-based EMIMFSI/LiTFSI electrolytes. 0
- 246 Si-based polymer-derived ceramics for energy conversion and storage. **2022**, 11, 197-246 2
- 245 Nanotechnology for Batteries. **2022**, 29-48
- 244 Understanding doping effects on P2  $\text{Na}_x\text{Mn}_{1-x}\text{MyO}_2$  (M=Li, Mg, Al, Ti, V, Cr, Fe, Co, Ni) cathode materials for Na-ion batteries. **2022**, 6, 0
- 243 Enhancing storage performance of P2-type  $\text{Na}_{2/3}\text{Fe}_{1/2}\text{Mn}_{1/2}\text{O}_2$  cathode materials by  $\text{Al}_2\text{O}_3$  coating. **2022**, 32, 262-272 0
- 242 Research progress and future aspects: Metal selenides as effective electrodes. **2022**, 47, 13-43 8
- 241 Phase stability and sodium-vacancy orderings in a NaSICON electrode. **2021**, 10, 209-217 4
- 240 Nanostructured nonoxide nanomaterials an introduction. **2022**, 1-24 0
- 239 Stabilizing Microsized Sn Anodes for Na-Ion Batteries with Extended Ether Electrolyte Chemistry. 1
- 238 Progress in electrolyte and interface of hard carbon and graphite anode for sodium-ion battery. 9
- 237 Porous carbons for energy storage and conversion. **2022**, 239-540
- 236 Structure, Composition, Transport Properties, and Electrochemical Performance of the Electrode-Electrolyte Interphase in Non-Aqueous Na-Ion Batteries. 2101773 1
- 235 Constructing effective interface for room-temperature Beta- $\text{Al}_2\text{O}_3$  based sodium metal batteries. **2022**, 523, 231034 1
- 234 MXenes and their composites for lithium- and sodium-ion battery applications. **2022**, 307-341
- 233 Ion-Selective Covalent Organic Framework Membranes as a Catalytic Polysulfide Trap to Arrest the Redox Shuttle Effect in Lithium-Sulfur Batteries.. **2022**, 5
- 232 Molybdenum Disulfide/Tin Disulfide Ultrathin Nanosheets as Cathodes for Sodium-Carbon Dioxide Batteries.. **2022**, 3

231	The advent of manganese-substituted sodium vanadium phosphate-based cathodes for sodium-ion batteries and their current progress: a focused review. <b>2022</b> , 10, 1022-1046	5
230	Beyond Li-Ion Batteries: Future of Sustainable Large Scale Energy Storage System. <b>2022</b> ,	
229	A superior Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> -based cathode enhanced by Nb-doping for high-performance sodium-ion battery. <b>2022</b> , 10, 010701	0
228	The effect of N-doping on the electronic structure property and the li and Na storage capacity of graphene nanomaterials: A first-principles study. <b>2022</b> , 403, 139719	0
227	Nitrogen-doped porous carbon derived from bimetallic zeolitic imidazolate frameworks for electrochemical Li <sup>+</sup> /Na <sup>+</sup> storage. <b>2022</b> , 26, 683-693	0
226	Oxide cathodes for sodium-ion batteries: Designs, challenges, and perspectives.	4
225	Energy storage mechanism of MXene-Based sodium/potassium titanate for high performance electrode. <b>2022</b> ,	0
224	EFFECT OF THERMAL TREATMENT ON THE PHASE FORMATION AND ELECTRICAL PROPERTIES OF RICE HUSK SILICA BASED NaFeSiO <sub>4</sub> PRECURSORS. <b>2022</b> , 0-0	0
223	Encapsulation of 2D MoS <sub>2</sub> nanosheets into 1D carbon nanobelts as anodes with enhanced lithium/sodium storage properties.	1
222	Developing High-Performance Flexible Zinc Ion Capacitors from Agricultural Waste-Derived Carbon Sheets. <b>2022</b> , 10, 1471-1481	1
221	Carbon-coated FePO <sub>4</sub> nanoparticles as stable cathode for Na-ion batteries: A promising full cell with a Na <sub>15</sub> Pb <sub>4</sub> anode. <b>2022</b> , 409, 139997	3
220	Biomass hard carbon of high initial coulombic efficiency for sodium-ion batteries: Preparation and application. <b>2022</b> , 410, 140017	2
219	A combined first principles and experimental study on Al-doped Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> cathode for rechargeable Na batteries. <b>2022</b> , 434, 128184	1
218	Reduced Graphene Oxide Aerogels with Functionalization-Mediated Disordered Stacking for Sodium-Ion Batteries. <b>2022</b> , 8, 12	0
217	Electronic transport properties of NASICON structured NaFe <sub>2</sub> (PO <sub>4</sub> )(SO <sub>4</sub> ) <sub>2</sub> : A potential cathode material for Na-ion batteries, synthesized using ultrasound-assisted, indirect microwave heating technique. <b>2022</b> , 313, 131763	0
216	Nitrogen enriched mesoporous carbon spheres as efficient anode material for long cycle Li/Na ion batteries.	0
215	Carbon-Encapsulated Ni Se /CoSe Heterostructured Nanospheres: Sodium/Potassium-Ion Storage Anode with Prominent Electrochemical Properties.. <b>2022</b> , e2107258	1
214	Improving Sodium Storage Performance of Hard Carbon Anodes in Cyclic Ether Electrolytes by an Anion Receptor Additive.	1

213	Nitrogen and sulfur co-doped hierarchically mesoporous carbon derived from biomass as high-performance anode materials for superior sodium storage. <b>2022</b> , 526, 231019	3
212	Design of High-Performance Antimony / MXene Hybrid Electrodes for Sodium-Ion Batteries.	1
211	Phosphorus-carbon covalent bond induced kinetics modulation of vanadium diphosphide for room- and high-temperature sodium-ion batteries. <b>2022</b> , 46, 5948-5953	
210	Design of 3D topological nodal-net porous carbon for sodium-ion battery anodes. <b>2022</b> , 10, 7754-7763	1
209	Exploring a novel two-dimensional metallic YC sheet applied as an anode material for sodium-ion batteries.. <b>2022</b> ,	0
208	Synthesis of Nani0.5mn0.5o2 Cathode Materials for Sodium-Ion Batteries Via Spray Pyrolysis Method.	
207	Metal organic framework-based nanostructure materials: applications for non-lithium ion battery electrodes.	0
206	Enhanced Electrochemical Performance of O3-Type Nani0.5mn0.3co0.2o2 Cathodes for Sodium-Ion Batteries Via Al-Doping.	
205	MOF-supported crystalline ionic liquid: new type of solid electrolyte for enhanced and high ionic conductivity.. <b>2022</b> ,	2
204	Novel Gel-Polymer Electrolytes for Sodium-Ion Secondary Batteries - An Electrochemical Impedance Spectroscopic Studies. 1053, 119-124	
203	Na Adsorption on Para Boron-Doped AGNR for Sodium-Ion Batteries (SIBs): A First Principles Analysis. <b>2022</b> , 51, 2095-2106	0
202	Transport and Electrochemical Properties of Na x Fe 1-y Mn y O 2 -Cathode Materials for Na-Ion batteries. Experimental and Theoretical Studies. <b>2022</b> , 10, 2101105	
201	A High Performance Solid-state Na-CO 2 Battery with Poly (vinylidene fluoride-co-hexafluoropropylene)Na 3.2 Zr 1.9 Mg 0.1 Si 2 PO 12 Electrolyte.	1
200	First principles study on sodium de-intercalation from NaMnPO4. <b>2022</b> ,	0
199	Unlocking Oxygen Charge Compensation for Stabilized High-Voltage Structure in P2-Type Sodium-Ion Cathode.. <b>2022</b> , e2200498	2
198	Current advancement on anode materials for Na-ion batteries: Review. <b>2022</b> ,	0
197	Improve the Electrochemical Performance of Na2Ti3O7 Nanorod through Pitch Coating. <b>2022</b> , 10, 4247-4257	0
196	High-Performance Cycling of Na Metal Anodes in Phosphonium and Pyrrolidinium Fluoro(sulfonyl)imide Based Ionic Liquid Electrolytes.. <b>2022</b> ,	1

195	Recent Advances in Biomass-Derived Carbon Materials for Sodium-Ion Energy Storage Devices.. <b>2022</b> , 12,	0
194	Tetrahedral Alignment and Covalent Bonding Enable Fast Sodium Conduction in Na <sub>3</sub> XS <sub>4</sub> (X = P, V).	0
193	Bismuth and its nanocomposite: Reaction mechanism and rational nanocomposite fabrication process for superior sodium-ion battery anodes.	1
192	Improvement of ionic conductivity and densification of Na <sub>3</sub> Zr <sub>2</sub> Si <sub>2</sub> PO <sub>12</sub> solid electrolyte rapidly prepared by microwave sintering. <b>2022</b> ,	0
191	Inorganic cathode materials for potassium ion batteries. <b>2022</b> , 25, 100982	0
190	A First-Principles Study on the Multilayer Graphene Nanosheets Anode Performance for Boron-Ion Battery.. <b>2022</b> , 12,	1
189	Revealing the sodium storage behavior of biomass-derived hard carbon by using pure lignin and cellulose as model precursors. <b>2022</b> , 189, 630-638	3
188	Superior diffusion kinetics and electrochemical properties of <del>A</del> type NaMn <sub>0.89</sub> Co <sub>0.11</sub> O <sub>2</sub> as cathode for sodium-ion batteries. 1	0
187	Nitrogen-doped hard carbon derived from agro-food waste of mushroom bags biomass as an anode material for sodium-ion batteries. 1	0
186	Electrochemical Zintl Cluster Bi <sub>22</sub> Induced chemically bonded bismuth / graphene oxide composite for sodium-ion batteries. <b>2022</b> , 413, 140174	1
185	Realization of high cycle life bismuth oxychloride Na-ion anode in glyme-based electrolyte. <b>2022</b> , 529, 231227	1
184	Establishing substitution rules of functional groups for high-capacity organic anode materials in Na-ion batteries. <b>2022</b> , 533, 231383	0
183	Boosting the cycling stability of hard carbon with NaODFB-based electrolyte at high temperature. <b>2022</b> , 24, 100866	0
182	Achieving in-situ hybridization of NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> and N-doped carbon through a one-pot solid state reaction for high performance sodium-ion batteries. <b>2022</b> , 310, 123036	0
181	Nickel-cobalt selenide@N-doped carbon towards high-performance anode materials for sodium-ion batteries. <b>2022</b> , 51, 104522	1
180	DFT studies on electrochemical properties of halide ions doped GDY-28 nanoflake for Na-ion battery applications. <b>2022</b> , 145, 106651	0
179	High-Performance Na-Ion Conducting Polymer Gel Membrane for Supercapacitor Applications. <b>2022</b> , 4, 280-288	5
178	Schiff-bases for sustainable battery and supercapacitor electrodes. <b>2021</b> , 1, 20210128	2

177	Biphasic $\beta$ -Type $\text{NaMn}_{0.89}\text{Fe}_{0.11}\text{O}_2$ as a Cathode for Sodium-Ion Batteries: Structural Insight and High-Performance Relation. <b>2022</b> , 5, 116-125	1
176	Effect of sintering temperature and holding time on the crystal phase, microstructure, and ionic conductivity of NASICON-type $33\text{Na}_2\text{O}-40\text{ZrO}_2-40\text{SiO}_2-10\text{P}_2\text{O}_5$ solid electrolytes. <b>2022</b> , 128, 1	0
175	Ion Mobility in Triple Sodium Molybdates and Tungstates with a NASICON Structure. <b>2022</b> , 134, 42-50	1
174	Inhibiting the cyclization of PAN by carboxyl groups for carbon nanofibers with balanced $\text{Na}^+$ storage performance and ICE. <b>2022</b> , 153447	
173	Electrolytes for Rechargeable Aluminum Batteries. <b>2022</b> , 100960	2
172	Direct ink writing of conductive materials for emerging energy storage systems. 1	3
171	Sodium-Conducting Ionic Liquid Electrolytes: Electrochemical Stability Investigation. <b>2022</b> , 12, 4174	1
170	Expanded solid-solution behavior and charge-discharge asymmetry in $\text{Na}_x\text{CrO}_2$ Na-ion battery electrodes. <b>2022</b> , 535, 231317	0
169	High-Voltage, Highly Reversible Sodium Batteries Enabled by Fluorine-Rich Electrode/Electrolyte Interphases.. <b>2022</b> , e2200209	0
168	Recent advances in Fe-based metal-organic frameworks derivatives for batteries applications.	2
167	3d Fluorine-Doped Carbon@ $\text{Ti}_3\text{C}_2$ Mxene as Anode Material for High Performance Potassium Ion Batteries.	
166	Ether-based electrolytes for sodium ion batteries.. <b>2022</b> ,	20
165	Sub-1 nm MoC Quantum Dots Decorating N-Doped Graphene as Advanced Electrocatalysts of Flexible Hybrid Alkali-Acid Zn-Quinone Battery.. <b>2022</b> , e2201144	0
164	Deriving activated carbon using microwave combustion technique and its energy storage applications: a topical review. 1	0
163	Can P- and Oxidized P-doped Graphene be a Good Anode for Na-Ion Batteries?: A First-Principles Assessment.	0
162	Electrochemical performance of ZIF-derived $\text{Co}_3\text{Sn}_{0.7}/\text{Co}_3\text{Sn}_2@\text{NC}$ with heterostructure as anode material for sodium-ion batteries. <b>2022</b> , 380, 115927	
161	Ti-substituted $\text{O}_3$ -type layered oxide cathode material with high-voltage stability for sodium-ion batteries.. <b>2022</b> , 622, 1037-1044	1
160	Carbon-Based Nanocomposites: Processing, Electronic Properties, and Applications.	



159	Adjusting Morphological Properties of Organic Electrode Material for Efficient Sodium-ion Batteries by Isomers Strategy. <b>2022,</b>	1
158	Structural, dielectric, electrical and optical properties of a double perovskite: BaNaFeWO <sub>6</sub> for some device applications. <b>2022,</b> 1265, 133353	1
157	Anthraquinone and its Derivatives as Sustainable Materials for Electrochemical Applications   Joint Experimental and Theoretical Investigation of the Redox Potential in Solution.	0
156	Unraveling diffusion kinetics of honeycomb structured Na <sub>2</sub> Ni <sub>2</sub> TeO <sub>6</sub> as a high-potential and stable electrode for sodium-ion batteries.	3
155	Environmental Impact Assessment of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Cathode Production for Sodium-Ion Batteries. 2200049	2
154	Point defect formation energies in graphene from diffusion quantum Monte Carlo and density functional theory. <b>2022,</b> 105,	
153	Generalized synthesis of NaCrO <sub>2</sub> particles for high-rate sodium ion batteries prepared by microfluidic synthesis in segmented flow.	
152	Energy Storage Applications of MXene. <b>2022,</b> 139-169	
151	Sn-, Sb- and Bi-Based Anodes for Potassium Ion Battery.	0
150	Copper Substitution in P2-Type Sodium Layered Oxide To Mitigate Phase Transition and Enhance Cyclability of Sodium-Ion Batteries.	
149	Understanding of Sodium Storage Mechanism in Hard Carbons: Ongoing Development under Debate. 2200715	10
148	Low-solvation electrolytes for high-voltage sodium-ion batteries.	13
147	Graphyne Nanotubes as Promising Sodium-Ion Battery Anodes. <b>2022,</b> 12, 670	0
146	Optimizing ultramicroporous hard carbon spheres in carbonate ester-based electrolytes for enhanced sodium storage in half-/full-cell sodium-ion batteries. 0220007	3
145	Consecutive hybrid mechanism boosting Na <sup>+</sup> storage performance of dual-confined SnSe <sub>2</sub> in N, Se-doping double-walled hollow carbon spheres. <b>2022,</b>	2
144	Morphological dependent behaviour of CoMoO <sub>4</sub> anode: Lithium vs. sodium ion batteries. <b>2022,</b> 920, 165925	1
143	Enhanced rate performance and specific capacity in Ti-substituted P2-type layered oxide enabled by crystal structure and particle morphology modifications. <b>2022,</b> 448, 137662	1
142	Multi-Wall Carbon Nanotube-Induced Nanobelt Potassium Vanadate Composite as Cathode for Sodium-Ion Batteries.	

- 141 Origin of enhanced reversible Na ion storage in hard carbon anodes through p-type molecular doping. 0
- 140 Challenges and Applications of In Situ TEM for Sodium-Ion Batteries. 1,
- 139 Ammonium ion pre-intercalation stabilized tunnel h-WO<sub>3</sub> for fast NH<sub>4</sub><sup>+</sup> storage. 1
- 138 Vanadium dissolution at 30 °C and its suppression at a low temperature of 0 °C for a Na<sub>3</sub>V<sub>1.5</sub>Cr<sub>0.5</sub>(PO<sub>4</sub>)<sub>3</sub> cathode.
- 137 Activating Oxygen Redox in Layered Na<sub>x</sub>MnO<sub>2</sub> to Suppress Intrinsic Deficient Behavior and Enable Phase-Transition-Free Sodium Ion Cathode. 2202665 2
- 136 Recent Advances in Cu-Based Metal-Organic Frameworks and Their Derivatives for Battery Applications. 2022, 5, 7842-7873 0
- 135 Comprehensive Study of Sodium Copper Hexacyanoferrate, as a Sodium-Rich Low-Cost Positive Electrode for Sodium-Ion Batteries.
- 134 Tunable electronic properties of silicon nanowires as sodium-battery anodes.
- 133 Ultra-stable all-solid-state sodium metal batteries enabled by perfluoropolyether-based electrolytes. 10
- 132 Architecture Design of MXene-based Materials for Sodium-chemistry Based Batteries. 2022, 107590 0
- 131 Development of vanadium-based polyanion positive electrode active materials for high-voltage sodium-based batteries. 2022, 13, 2
- 130 Rational Design Hierarchical SnS<sub>2</sub> Uniformly Adhered to Three-Sided Carbon Active Sites to Enhance Sodium Storage. 0
- 129 Construction of Na<sub>3</sub>V<sub>2</sub>(PO<sub>4</sub>)<sub>2</sub>F<sub>3</sub>@C/CNTs Nanocomposites with Three-Dimensional Conductive Network as Cathode Materials for Sodium-Ion Batteries. 2022, 116613 0
- 128 A flexible [(DMPI<sup>+</sup>)(AlCl<sub>4</sub><sup>-</sup>)]/PVDF-HFP polymer gel electrolyte and its electrochemical performance for dual-graphite batteries. 2022, 289, 126468 1
- 127 Synthesis of NaNi<sub>0.5</sub>Mn<sub>0.5</sub>O<sub>2</sub> cathode materials for sodium-ion batteries via spray pyrolysis method. 2022, 922, 166283 0
- 126 The nitrogen-doped carbon coated Na<sub>4</sub>MnV(PO<sub>4</sub>)<sub>3</sub> as a high electrochemical performance cathode material for sodium-ion batteries. 2022, 601, 154218 1
- 125 Fabrication of Bi<sub>2</sub>Se<sub>3</sub>/Mo<sub>3</sub>Se<sub>4</sub> composite for efficient sodium storage. 2022, 923, 166462 2
- 124 The Future for Room-Temperature Sodium-Sulfur Batteries: From Persisting Issues to Promising Solutions and Practical Applications. 2205622 4

123	Structural, Electronic, Mechanical, and Thermodynamic Properties of Na Deintercalation from Olivine NaMnPO <sub>4</sub> : First-Principles Study. <b>2022</b> , 15, 5280	0
122	Sodium diffusion in scheelite-type Na <sub>2</sub> Zr(MoO <sub>4</sub> ) <sub>3</sub> and Na <sub>4</sub> Zr(MoO <sub>4</sub> ) <sub>4</sub> . <b>2022</b> ,	1
121	N-Doped Carbon-Layer-Modified Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as a High-Performance Cathode Material for Sodium-Ion Batteries.	1
120	In-situ Investigation and Application of Cyano-substituted Organic Electrode for Rechargeable Aqueous Na-ion Batteries. <b>2022</b> , 138652	3
119	Carbon Quantum Dot Modified Reduced Graphene Oxide Framework for Improved Alkali Metal Ion Storage Performance. 2202898	0
118	Highly Reversible Sodium Metal Battery Anodes via Alloying Heterointerfaces. 2203409	1
117	GaSb nanocomposite: New high-performance anode material for Na- and K-ion batteries. <b>2022</b> , 243, 110142	0
116	Improved electrochemical performance of B doped O <sub>3</sub> -NaMnO <sub>2</sub> for Na-ion battery. <b>2022</b> , 430, 141079	
115	Constructing low N/P ratio sodium-based batteries by reversible Na metal electrodeposition on sodiophilic zinc-metal-decorated hard carbons. <b>2022</b> , 544, 231862	1
114	Metal-cation-directed self-assembly of hierarchical MoS <sub>2</sub> nanotubes as high-performance anode for Na-ion batteries. <b>2022</b> , 261, 117953	
113	Enhanced electrochemical performance of O <sub>3</sub> -type NaNi <sub>0.5</sub> Mn <sub>0.3</sub> Co <sub>0.2</sub> O <sub>2</sub> cathodes for sodium-ion batteries via Al-doping. <b>2022</b> , 924, 166444	0
112	Balanced coordination enables low-defect Prussian blue for superfast and ultrastable sodium energy storage. <b>2022</b> , 102, 107708	0
111	Three-dimensional porous N-doped graphite carbon with embedded CoS <sub>2</sub> nanoparticles as advanced anode for sodium-ion batteries. <b>2022</b> , 603, 154481	1
110	Electrical conductivity and relaxation phenomena in Li <sub>2</sub> O-B <sub>2</sub> O <sub>3</sub> based glass and glass-ceramic: A comprehensive and comparative analysis. <b>2022</b> , 170, 110911	0
109	Brominated Porous Nitrogen-Doped Carbon Materials for Sodium-Ion Storage. <b>2022</b> , 8, 114	1
108	Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C cathode material with three-dimensional interconnected porous structure constructed using cotton soft tissue as carbon source. <b>2022</b> , 144, 109881	0
107	Tailored architectures of mesoporous carbon nanostructures: From synthesis to applications. <b>2022</b> , 46, 101607	1
106	Multi-wall carbon nanotube-induced nanobelt potassium vanadate composite as cathode for sodium-ion batteries. <b>2022</b> , 430, 141128	0

- 105 Improved Na-ion kinetics of 1T MoS<sub>2</sub> nanopatterned porous hard carbon as an ultra-long life anode. **2022**, 432, 141130 ○
- 104 Two-dimensional penta-siligraphene with high performance for non-lithium metal ions batteries anode materials. **2022**, 385, 116020 ○
- 103 In-situ fabricate highly ordered 3D Cervantite@TiO<sub>2</sub> nanoarrays integrated electrode as additive-free anode for lithium/sodium-ion batteries. **2022**, 548, 232054 ○
- 102 Common ion effect enhanced cobalt hexacyanoferrate for aqueous Na-ion battery. **2022**, 246, 110241 ○
- 101 High-sulfur-doped hard carbon for sodium-ion battery anodes with large capacity and high initial coulombic efficiency. **2022**, 6, 4338-4345 ○
- 100 Guest water hinders sodium-ion diffusion in low-defect Berlin green cathode material. **2022**, 51, 14712-14720 ○
- 99 Organosulfur Polymer-Based Cathode Materials for Rechargeable Batteries. 1
- 98 The origin of high Na<sup>+</sup> ion conductivity in Na<sub>1+x</sub>Zr<sub>2</sub>SixP<sub>3</sub>O<sub>12</sub> NASICON materials. **2022**, 24, 22154-22167 ○
- 97 High-Rate Formation Protocol Enables a High Ionic Conductivity Sei for Sodium-Ion Batteries. ○
- 96 Influence of the Cation on the Reaction Mechanism of Sodium Uptake and Release in Bivalent Transition Metal Thiophosphate Anodes: A Case Study of Fe<sub>2</sub>P<sub>2</sub>S<sub>6</sub>. ○
- 95 Graphene: A Path-Breaking Discovery for Energy Storage and Sustainability. **2022**, 15, 6241 ○
- 94 Adjusting the state of pitch anode for effective oxidation with suppressed graphitization and enhanced Na storage performances. ○
- 93 Comparative Electrochemical Study of Li<sup>+</sup>, Na<sup>+</sup> and Mg<sup>2+</sup>-ion Insertion into VO<sub>2</sub>(B) from Aqueous Nitrate Solutions. ○
- 92 Halogenated Carboxylates as Organic Anodes for Stable and Sustainable Sodium-Ion Batteries. **2022**, 14, 40784-40792 ○
- 91 Ultra-fast green microwave assisted synthesis of NaFePO<sub>4</sub>-C nanocomposites for sodium ion batteries and supercapacitors. **2022**, 12, ○
- 90 Synergy Effect of High-Stability of VS<sub>4</sub> Nanorods for Sodium Ion Battery. **2022**, 27, 6303 ○
- 89 Faceted Antimony Particles with Interiors Reinforced with Reduced Graphene Oxide as High-Performance Anode Material for Sodium-Ion Batteries. ○
- 88 Structure and function of hard carbon negative electrodes for sodium-ion batteries. **2022**, 4, 042001 ○

- 87 Honeycomb structured nano MOF for high-performance sodium-ion hybrid capacitor. **2022**, 139585 ○
- 86 Low-Cost and Scalable Ni-Prussian Blue Analogue//Functionalized Carbon based Na-Ion Systems for all Climate Operations. ○
- 85 Enhancement of electrical and electrochemical properties of sodium bromide incorporated with poly (ethylene oxide)/poly (vinylidene fluoride-hexafluoropropylene) solid blend polymer electrolytes for electrochemical double layer capacitors. **2022**, 55, 105726 ○
- 84 Sb/C Composite Embedded in SiOC Buffer Matrix via Sb/MOF-Driven Dispersion Property for Novel Anode Material in Sodium-Ion Batteries. ○
- 83 Investigation of the sodium storage mechanism of iron fluoride hydrate cathodes using X-ray absorption spectroscopy and mossbauer spectroscopy. **2022**, ○
- 82 Defect Engineering in Prussian Blue Analogs for High-Performance Sodium-Ion Batteries. 2202532 ○
- 81 Detailed Structural and Electrochemical Comparison between High Potential Layered P2-NaMnNi and Doped P2-NaMnNiMg Oxides. ○
- 80 Dual Protection Strategy by Constructing MXene-Coated Cu<sub>2</sub>Se/Cu<sub>1.8</sub>Se Heterojunction and CMK-3 Modification for High-Performance Aluminum-Ion Batteries. **2022**, 14, 48780-48788 ○
- 79 Synthesis and Application of an Aromatic Sulfonate Sodium Salt for Aqueous Sodium-Ion Battery Electrolytes. 2201045 ○
- 78 Rapid ultrasound welding toward compact Na/Beta-Al<sub>2</sub>O<sub>3</sub> interface realizing room-temperature solid-state sodium metal battery. **2023**, 54, 221-226 ○
- 77 Storage of Na in 2D SnS for Na ion batteries: A DFT Prediction. ○
- 76 High-rate formation protocol enables a high ionic conductivity SEI for sodium-ion batteries. **2023**, 554, 232298 ○
- 75 Recent advances of emerging oxyhydroxide for electrochemical energy storage applications. **2023**, 554, 232309 1
- 74 Recent Advances in the Multifunctional Natural Gum-Based Binders for High-Performance Rechargeable Batteries. **2022**, 15, 8552 1
- 73 Towards High-Performance Sodium-Ion Batteries: Starting from Electrode Materials. 17, 273-281 ○
- 72 Inlaying Bismuth Nanoparticles on Graphene Nanosheets by Chemical Bond for Ultralong-lifespan Aqueous Sodium Storage. ○
- 71 Inlaying Bismuth Nanoparticles on Graphene Nanosheets by Chemical Bond for Ultralong-lifespan Aqueous Sodium Storage. 1
- 70 Electrospun Fe<sub>1-x</sub>S@nitrogen-doped carbon fibers as anode material for sodium-ion batteries. **2023**, 929, 117095 ○

- 69 An Advanced Medium-Entropy Substituted Tunnel-Type Na<sub>0.44</sub>MnO<sub>2</sub> Cathode for High-Performance Sodium-Ion Batteries. ○
- 68 Lamellar-protuberant like p-FeS<sub>2</sub> rooted in mesoporous carbon sheets as high capacity anode for Na-ion batteries. **2023**, 439, 141650 ○
- 67 Na<sup>+</sup>/K<sup>+</sup>-codoped amorphous manganese oxide with enhanced performance for aqueous sodium-ion battery. **2023**, 937, 168344 ○
- 66 Ti<sub>3</sub>C<sub>2</sub>/fluorine-doped carbon as anode material for high performance potassium-ion batteries. **2023**, 938, 168430 1
- 65 Encapsulation of KTi<sub>2</sub>(PO<sub>4</sub>)<sub>3</sub> nanoparticles in porous N-doped carbon nanofibers as a free-standing electrode for superior Na/K-storage performance. **2023**, 937, 168358 ○
- 64 A solid-state Matryoshka doll-like microwave method for one-step rapid synthesis of composites of NiSe<sub>2</sub> and nitrogen-doped porous carbon for sodium storage. **2022**, 10, 18052-18062 ○
- 63 Hydration Structures and Dynamics of the Sodium Fluoride Aqueous Solutions at Various Temperatures: Molecular Dynamics Simulations. ○
- 62 Electrochemical energy storage and conversion: An overview. ○
- 61 Structural change-conductivity relationship in Na<sub>4-4x</sub>Zr<sub>2x</sub>NbxSi<sub>3</sub>O<sub>12</sub> solid electrolytes over a wide temperature range. ○
- 60 First-Principles Investigation of Charged Graphene as a Novel Cathode Material for Dual-Carbon Batteries. ○
- 59 Recent Advances in the Preparation and Performance of Porous Titanium-Based Anode Materials for Sodium-Ion Batteries. **2022**, 15, 9495 1
- 58 Microstructural and mechanical characterization of Na<sub>1+x</sub>Hf<sub>2</sub>Si<sub>2.3</sub>P<sub>0.7</sub>O<sub>10.85+0.5x</sub> and Na<sub>1+x</sub>Zr<sub>2</sub>P<sub>3-x</sub>Si<sub>x</sub>O<sub>12</sub> NASICON-type solid electrolytes. ○
- 57 Defect Chemistry in Zn<sub>3</sub>V<sub>4</sub>(PO<sub>4</sub>)<sub>6</sub>. **2023**, 9, 5 ○
- 56 Recent Advances in Surface Coatings of Layered Cathode Materials for High-Performance Sodium-Ion Batteries. ○
- 55 N-doped Nanocarbon Inserted NiCo-LDH Nanoplates on NF with High OER/ORR Performances for Zinc-Air Battery. ○
- 54 Recent Progress and Perspectives of Solid State Na-CO<sub>2</sub> Batteries. **2023**, 9, 36 ○
- 53 Three-Dimensional Silicene-Based Materials: A Universal Anode for Monovalent and Divalent Ion Batteries. ○
- 52 Boehmite/PAN nanocomposite fibrous separators with superior wettability and thermal properties for sodium-ion batteries with high electrochemical performances. **2023**, 940, 168864 ○

- 51 Agricultural Wastes for Full-Cell Sodium-Ion Batteries: Engineering Biomass Components to Maximize the Performance and Economic Prospects. **2023**, 11, 536-546 ○
- 50 Graphene Composite via Bacterial Cellulose Assisted Liquid Phase Exfoliation for Sodium-Ion Batteries. **2023**, 15, 203 ○
- 49 Interface Stability between Na<sub>3</sub>Zr<sub>2</sub>Si<sub>2</sub>PO<sub>12</sub> Solid Electrolyte and Sodium Metal Anode for Quasi-Solid-State Sodium Battery. **2023**, 9, 8 ○
- 48 Preparation and Characterization of Na-β-Al<sub>2</sub>O<sub>3</sub> Solid Electrolytes. **2022**, 11, 65-75 ○
- 47 Sustainable production and application of biochar for energy storage and conversion. **2023**, 333-364 ○
- 46 Phosphorous Nanocomposites as the Electrode Materials for High-Performance Na-Ion Batteries. ○
- 45 Structure-transport correlations in Na<sub>11</sub>Sn<sub>2</sub>SbSe<sub>12</sub> and its sulfide solid solutions. **2023**, 11, 011104 ○
- 44 Altering the Alkaline Metal Ions in Lepidocrocite-Type Layered Titanate for Sodium-Ion Batteries. **2023**, 15, 5028-5037 ○
- 43 Phase-separated bimetal enhanced sodium storage: Dimer-like Sn-Bi@C heterostructures with high capacity and long cycle life. **2023**, ○
- 42 Study on colloidal synthesis of ZnS nanospheres embedded in reduced graphene oxide materials for sodium-ion batteries and energy storage mechanism. **2023**, 943, 169076 ○
- 41 Excellent Structural Stability-Driven Cyclability in P2-Type Ti-Based Cathode for Na-Ion Batteries. **2023**, 6, 2440-2447 ○
- 40 Recent Advancement and Structural Engineering in Transition Metal Dichalcogenides for Alkali Metal Ions Batteries. **2023**, 16, 2559 ○
- 39 Enhancement of the Na<sub>2</sub>FePO<sub>4</sub>F@gC<sub>3</sub>N<sub>4</sub> electrochemical performance in view of its implementation in sodium-ion batteries. **2023**, 392, 116167 ○
- 38 Enhanced electrochemical properties of NASICON-type Na<sub>3</sub>Zr<sub>2</sub>Si<sub>2</sub>PO<sub>12</sub> solid electrolytes with Tb<sup>3+</sup>-ions-assisted sintering. **2023**, 393, 116185 ○
- 37 Sb/C composite embedded in SiOC buffer matrix via dispersion property control for novel anode material in sodium-ion batteries. **2023**, 568, 232908 ○
- 36 Boosting ion diffusion at Ni<sub>2</sub>P@3D nanostructure carbon network interface for superior and durable sodium-ion hybrid capacitor. **2023**, 453, 142363 ○
- 35 Tailoring the growth of iron hexacyanoferrates for high-performance cathode of sodium-ion batteries. **2023**, 946, 169284 ○
- 34 In situ and operando infrared spectroscopy of battery systems: Progress and opportunities. **2023**, 81, 472-491 ○

- 33 Tailored P2/O3 phase-dependent electrochemical behavior of Mn-based cathode for sodium-ion batteries. **2023**, 64, 107242 ○
- 32 3D microstructure evolution in  $\text{Na}_x\text{FePO}_4$  storage particles for sodium-ion batteries. **2023**, 565, 232902 ○
- 31 Recent advance on NASICON electrolyte in solid-state sodium metal batteries. **2023**, 56, 582-599 1
- 30 Enhancement in rate performance and high voltage structural stability of P3/O3  $\text{Na}_{0.9}\text{Fe}_{0.5}\text{Mn}_{0.45}\text{Ni}_{0.05}\text{O}_2$  layered oxide cathode. **2023**, 932, 117222 ○
- 29 Recent Progress in Solid Electrolytes for All-Solid-State Metal(Li/Na)Sulfur Batteries. **2023**, 9, 110 ○
- 28 The ENEA's 2019-2021 Three-Year Research Project on Electrochemical Energy Storage. **2023**, 10, ○
- 27 A High-Energy NASICON-Type  $\text{Na}_{3.2}\text{MnTi}_{0.8}\text{V}_{0.2}(\text{PO}_4)_3$  Cathode Material with Reversible 3.2-Electron Redox Reaction for Sodium-Ion Batteries. **2023**, 62, ○
- 26 A High-Energy NASICON-Type  $\text{Na}_{3.2}\text{MnTi}_{0.8}\text{V}_{0.2}(\text{PO}_4)_3$  Cathode Material with Reversible 3.2-Electron Redox Reaction for Sodium-Ion Batteries. **2023**, 135, ○
- 25 An overview of 2D metal sulfides and carbides as Na host materials for Na-ion batteries. **2023**, 461, 141924 ○
- 24 Hybrid polymer gels for energy applications. ○
- 23 Screening of electrode materials for ammonium ion batteries by high throughput calculation. **2023**, 13, 6548-6556 ○
- 22 High-power and low-cost sodium-ion batteries with a wide operation temperature from  $-20\text{ }^\circ\text{C}$  to  $30\text{ }^\circ\text{C}$ . ○
- 21 Recent Progress on Honeycomb Layered Oxides as a Durable Cathode Material for Sodium-Ion Batteries. 2201555 ○
- 20 Boosting the Initial Coulomb Efficiency of Sisal Fiber-Derived Carbon Anode for Sodium Ion Batteries by Microstructure Controlling. **2023**, 13, 881 ○
- 19 High Sodium-Ion Battery Capacity in Sulfur-Deficient Tin(II) Sulfide Thin Films with a Microrod Morphology. 2200396 ○
- 18 Progress in 3D-MXene Electrodes for Lithium/Sodium/Potassium/Magnesium/Zinc/Aluminum-Ion Batteries. **2023**, 6, ○
- 17 Comparative studies of hexagonal boron phosphide/ $\text{V}_2\text{CS}_2$  heterostructure and homogeneous bilayers as metal-ion battery anodes. **2023**, 25, 10011-10021 ○
- 16 A NiCoSex/CG heterostructure with strong interfacial interaction showing rapid diffusion kinetics as a flexible anode for high-rate sodium storage. ○



- 15 Synergistic Co-doping effect of CNTs and PVP in  $\text{Na}_4\text{MnCr}(\text{PO}_4)_3$  cathode as a strategy for improving the electrochemical performance of SIBs. **2023**, 108358
- 14 Two-dimensional polymer nanosheets as a high-performance organic anode for sodium-ion batteries. **2023**, 52, 4760-4767
- 13 Two-Dimensional Mesoporous Materials for Energy Storage and Conversion: Current Status, Chemical Synthesis and Challenging Perspectives. **2023**, 6,
- 12 Predicting the  $\text{Na}^+$  ion transport properties of NaSICON materials using density functional theory and Kinetic Monte Carlo.
- 11 Sodium Diffusion in Hard Carbon Studied by Small- and Wide-Angle Neutron Scattering and Muon Spin Relaxation. **2023**, 2462, 012048
- 10 Recent Advances in New-Generation Electrolytes for Sodium-Ion Batteries. **2023**, 16, 3169
- 9 Catalytic Defect-Repairing Using Manganese Ions for Hard Carbon Anode with High-Capacity and High-Initial-Coulombic-Efficiency in Sodium-Ion Batteries.
- 8 Fluorinated ethylene carbonate as additive to glyme electrolytes for robust sodium solid electrolyte interface. **2023**, 4, 101356
- 7 Sr-Doped NASICON-Structured Cathode with Enhanced Conductivity for Ultrafast and High-Stability Sodium-Ion Storage.
- 6 Low-Concentration Electrolyte Enables High-Voltage Positive Electrode  $\text{Na}_4\text{Co}_3(\text{PO}_4)_2\text{P}_2\text{O}_7$  with Good Cycle Stability.
- 5 Evaluating Electrochemical Properties of Layered  $\text{Na}_x\text{Mn}_{0.5}\text{Co}_{0.5}\text{O}_2$  Obtained at Different Calcined Temperatures. **2023**, 7, 33
- 4 Recent Progress and Prospects of NASICON Framework Electrodes for Na-ion Batteries. **2023**, 101128
- 3 Clarifying effects of in-plane cationic-ordering degree on anionic redox chemistry in Na-ion battery layered oxide cathodes. **2023**, 30, 101532
- 2 Boosting the Na-Ion Conductivity in the Cluster-Ion Based Anti-Perovskite  $\text{Na}_2\text{BH}_4\text{NH}_2$ .
- 1 Octahedral/Tetrahedral Vacancies in  $\text{Fe}_3\text{O}_4$  as K-Storage Sites: A Case of Anti-Spinel Structure Material Serving as High-Performance Anodes for PIBs.