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Room-temperature stationary sodium-ion batteries for large-scale electric energy storage

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2170	Understanding hydrothermal transformation from Mn <sub>2</sub> O <sub>3</sub> particles to Na <sub>0.55</sub> Mn <sub>2</sub> O <sub>4</sub> ·1.5H <sub>2</sub> O nanosheets, nanobelts, and single crystalline ultra-long Na <sub>4</sub> Mn <sub>9</sub> O <sub>18</sub> nanowires. <b>2015</b> , 5, 18275	20
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2168	Li-ion batteries: basics, progress, and challenges. <b>2015</b> , 3, 385-418	441
2167	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

2166	Sb Nanoparticles Encapsulated in a Reticular Amorphous Carbon Network for Enhanced Sodium Storage. <b>2015</b> , 11, 5381-7	60
2165	A High-Power Symmetric Na-Ion Pseudocapacitor. <b>2015</b> , 25, 5778-5785	94
2164	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
2163	In Situ X-Ray Diffraction Studies on Structural Changes of a P2 Layered Material during Electrochemical Desodiation/Sodiation. <b>2015</b> , 25, 3227-3237	97
2162	Superior Na-Storage Performance of Low-Temperature-Synthesized Na <sub>3</sub> (VO <sub>1-x</sub> PO <sub>4</sub> ) <sub>2</sub> F <sub>(1+2x)</sub> (0 ≤ x ≤ 1) Nanoparticles for Na-Ion Batteries. <b>2015</b> , 54, 9911-6	149
2161	P2-NaCo <sub>(0.5)</sub> Mn <sub>(0.5)</sub> O <sub>2</sub> as a Positive Electrode Material for Sodium-Ion Batteries. <b>2015</b> , 16, 3408-12	20
2160	Recent Advances and Prospects of Cathode Materials for Sodium-Ion Batteries. <b>2015</b> , 27, 5343-64	746
2159	Superior Na-Storage Performance of Low-Temperature-Synthesized Na <sub>3</sub> (VO <sub>1-x</sub> PO <sub>4</sub> ) <sub>2</sub> F <sub>1+2x</sub> (0 ≤ x ≤ 1) Nanoparticles for Na-Ion Batteries. <b>2015</b> , 127, 10049-10054	28
2158	A High-Voltage and Ultralong-Life Sodium Full Cell for Stationary Energy Storage. <b>2015</b> , 54, 11701-5	112
2157	Combined Experimental and Computational Studies of a Na <sub>2</sub> Ni <sub>1-x</sub> C <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
2156	Photopolymer Electrolytes for Sustainable, Upscalable, Safe, and Ambient-Temperature Sodium-Ion Secondary Batteries. <b>2015</b> , 8, 3668-76	68
2155	Novel K <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C Bundled Nanowires as Superior Sodium-Ion Battery Electrode with Ultrahigh Cycling Stability. <b>2015</b> , 5, 1500716	140
2154	Alkali-Ion Storage Behaviour in Spinel Lithium Titanate Electrodes. <b>2015</b> , 2, 1678-1681	3
2153	Hierarchical carbon framework wrapped Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as a superior high-rate and extended lifespan cathode for sodium-ion batteries. <b>2015</b> , 27, 5895-900	372
2152	Prototype Sodium-Ion Batteries Using an Air-Stable and Co/Ni-Free O <sub>3</sub> -Layered Metal Oxide Cathode. <b>2015</b> , 27, 6928-33	398
2151	Natriumionenbatterien für die elektrochemische Energiespeicherung. <b>2015</b> , 127, 3495-3513	98
2150	Hard Carbon Anodes for Na-Ion Batteries: Toward a Practical Use. <b>2015</b> , 2, 1917-1920	83
2149	A Novel High Capacity Positive Electrode Material with Tunnel-Type Structure for Aqueous Sodium-Ion Batteries. <b>2015</b> , 5, 1501005	127

2148	Fe-Based Tunnel-Type Na <sub>0.61</sub> [Mn <sub>0.27</sub> Fe <sub>0.34</sub> Ti <sub>0.39</sub> ]O <sub>2</sub> Designed by a New Strategy as a Cathode Material for Sodium-Ion Batteries. <b>2015</b> , 5, 1501156	100
2147	A layered P2- and O3-type composite as a high-energy cathode for rechargeable sodium-ion batteries. <b>2015</b> , 54, 5894-9	245
2146	NMR Studies of Solvent-Free Ceramic Composite Polymer Electrolytes-A Brief Review. <b>2015</b> , 5, 915-23	9
2145	From lithium to sodium: cell chemistry of room temperature sodium-air and sodium-sulfur batteries. <b>2015</b> , 6, 1016-55	307
2144	Electrochemical properties and morphological evolution of pitaya-like Sb@C microspheres as high-performance anode for sodium ion batteries. <b>2015</b> , 3, 5708-5713	92
2143	Tin and Tin Compounds for Sodium Ion Battery Anodes: Phase Transformations and Performance. <b>2015</b> , 48, 1657-65	379
2142	Highly Ordered Three-Dimensional Ni-TiO <sub>2</sub> Nanoarrays as Sodium Ion Battery Anodes. <b>2015</b> , 27, 4274-4280	124
2141	Enhancing sodium-ion battery performance with interlayer-expanded MoS <sub>2</sub> /BEO nanocomposites. <b>2015</b> , 15, 453-461	219
2140	Low-Cost Orthorhombic Na <sub>x</sub> [FeTi]O <sub>4</sub> (x = 1 and 4/3) Compounds as Anode Materials for Sodium-Ion Batteries. <b>2015</b> , 27, 4374-4379	32
2139	An open-framework iron fluoride and reduced graphene oxide nanocomposite as a high-capacity cathode material for Na-ion batteries. <b>2015</b> , 3, 10258-10266	54
2138	Electrochemical characterization of NaFePO <sub>4</sub> as positive electrode in aqueous sodium-ion batteries. <b>2015</b> , 291, 40-45	83
2137	Improvement of Energy Capacity with Vitamin C Treated Dual-Layered Graphene-Sulfur Cathodes in Lithium-Sulfur Batteries. <b>2015</b> , 8, 2883-91	19
2136	Advances and challenges of sodium ion batteries as post lithium ion batteries. <b>2015</b> , 5, 53129-53154	218
2135	Porous hollow Fe <sub>2</sub> O <sub>3</sub> @TiO <sub>2</sub> core-shell nanospheres for superior lithium/sodium storage capability. <b>2015</b> , 3, 13807-13818	80
2134	Inorganic/Organic Hybrid Ionic Liquid Electrolytes for Na Secondary Batteries. <b>2015</b> , 162, A1409-A1414	23
2133	Binding energy referencing for XPS in alkali metal-based battery materials research (I): Basic model investigations. <b>2015</b> , 351, 492-503	47
2132	Dendrite-Free Polygonal Sodium Deposition with Excellent Interfacial Stability in a NaAlCl <sub>4</sub> /Li <sub>2</sub> SO <sub>4</sub> Inorganic Electrolyte. <b>2015</b> , 7, 27206-14	57
2131	Electrochemically Expandable Soft Carbon as Anodes for Na-Ion Batteries. <b>2015</b> , 1, 516-22	167

2130	Ultrafast high-volumetric sodium storage of folded-graphene electrodes through surface-induced redox reactions. <b>2015</b> , 1, 112-118	69
2129	Preparation of $M_{1/3}Ni_{1/3}Mn_{2/3}O_2$ ( $M = Mg$ or $Zn$ ) and its performance as the cathode material of aqueous divalent cations battery. <b>2015</b> , 182, 971-978	21
2128	Role of $Na^+$ Interstitials and Dopants in Enhancing the $Na^+$ Conductivity of the Cubic $Na_3PS_4$ Superionic Conductor. <b>2015</b> , 27, 8318-8325	137
2127	A novel intercalation cathode material for sodium-based batteries. <b>2015</b> , 52, 9-12	1
2126	P2-type $Na_{0.66}Ni_{0.33}Zn_xMn_{0.67}O_2$ as new high-voltage cathode materials for sodium-ion batteries. <b>2015</b> , 281, 18-26	213
2125	Ambient temperature sodium-sulfur batteries. <b>2015</b> , 11, 2108-14	233
2124	Nanocrystalline $TiO_2(B)$ as Anode Material for Sodium-Ion Batteries. <b>2015</b> , 162, A3052-A3058	93
2123	High rate capability and superior cycle stability of a flower-like $Sb_2S_3$ anode for high-capacity sodium ion batteries. <b>2015</b> , 7, 3309-15	137
2122	Carbonized common filter paper decorated with $Sn@C$ nanospheres as additive-free electrodes for sodium-ion batteries. <b>2015</b> , 87, 70-77	39
2121	$Na_2S$ -carbon nanotube fabric electrodes for room-temperature sodium-sulfur batteries. <b>2015</b> , 21, 4233-7	93
2120	A new O3-type layered oxide cathode with high energy/power density for rechargeable Na batteries. <b>2015</b> , 51, 4693-6	74
2119	Micro-nano structure $Na_2MnPO_4F/C$ as cathode material with excellent sodium storage properties. <b>2015</b> , 145, 269-272	27
2118	Atomic-scale structure evolution in a quasi-equilibrated electrochemical process of electrode materials for rechargeable batteries. <b>2015</b> , 27, 2134-49	56
2117	Cathodically induced antimony for rechargeable Li-ion and Na-ion batteries: The influences of hexagonal and amorphous phase. <b>2015</b> , 282, 358-367	51
2116	Removal of interstitial $H_2O$ in hexacyanometallates for a superior cathode of a sodium-ion battery. <b>2015</b> , 137, 2658-64	458
2115	Nanostructured Mo-based electrode materials for electrochemical energy storage. <b>2015</b> , 44, 2376-404	498
2114	Binder-free $V_2O_5$ cathode for greener rechargeable aluminum battery. <b>2015</b> , 7, 80-4	234
2113	Electrochemical Performance of Chemically and Solid State-Derived Chevrel Phase $Mo_6T_8$ ( $T = S, Se$ ) Positive Electrodes for Sodium-Ion Batteries. <b>2015</b> , 119, 5771-5782	30

2112	Photovoltaic self-consumption in buildings: A review. <b>2015</b> , 142, 80-94		511
2111	Na-deficient O3-type cathode material Na <sub>0.8</sub> [Ni <sub>0.3</sub> Co <sub>0.2</sub> Ti <sub>0.5</sub> ]O <sub>2</sub> for room-temperature sodium-ion batteries. <b>2015</b> , 158, 258-263		38
2110	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
2109	Sustainable, heat-resistant and flame-retardant cellulose-based composite separator for high-performance lithium ion battery. <b>2014</b> , 4, 3935		173
2108	Recent Development on Anodes for Na-Ion Batteries. <b>2015</b> , 55, 486-507		151
2107	Sodium ion storage properties of WS <sub>2</sub> decorated three-dimensional reduced graphene oxide microspheres. <b>2015</b> , 7, 3965-70		119
2106	Self-assembled alluaudite Na <sub>2</sub> Fe <sub>(3-x)</sub> Mn <sub>x</sub> (PO <sub>4</sub> ) <sub>3</sub> micro/nanocompounds for sodium-ion battery electrodes: a new insight into their electronic and geometric structure. <b>2015</b> , 21, 851-60		60
2105	The emerging chemistry of sodium ion batteries for electrochemical energy storage. <b>2015</b> , 54, 3431-48		1542
2104	High-performance symmetric sodium-ion batteries using a new, bipolar O3-type material, Na <sub>0.8</sub> Ni <sub>0.4</sub> Ti <sub>0.6</sub> O <sub>2</sub> . <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 1237-1244	35.4	193
2103	Electrochemical and structural study of layered P2-type Na <sub>(2/3)</sub> Ni <sub>(1/3)</sub> Mn <sub>(2/3)</sub> O <sub>2</sub> as cathode material for sodium-ion battery. <b>2015</b> , 10, 661-6		67
2102	High cyclability of carbon-coated TiO <sub>2</sub> nanoparticles as anode for sodium-ion batteries. <b>2015</b> , 157, 142-148		104
2101	Sodium Storage Behavior in Natural Graphite using Ether-based Electrolyte Systems. <b>2015</b> , 25, 534-541		502
2100	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
2099	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
2098	3D MoS <sub>2</sub> @Graphene Microspheres Consisting of Multiple Nanospheres with Superior Sodium Ion Storage Properties. <b>2015</b> , 25, 1780-1788		436
2097	Sodium storage in Na-rich Na <sub>x</sub> FeFe(CN) <sub>6</sub> nanocubes. <b>2015</b> , 12, 386-393		183
2096	Recent progress in theoretical and computational investigations of Li-ion battery materials and electrolytes. <b>2015</b> , 17, 4799-844		190
2095	Electrochemical performance of rod-like Sb <sub>2</sub> S <sub>3</sub> composite as anodes for Li-ion and Na-ion batteries. <b>2015</b> , 3, 3276-3280		82

2094	Sodium iron hexacyanoferrate with high Na content as a Na-rich cathode material for Na-ion batteries. <b>2015</b> , 8, 117-128	221
2093	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
2092	Low-surface-area hard carbon anode for na-ion batteries via graphene oxide as a dehydration agent. <b>2015</b> , 7, 2626-31	188
2091	Non-aqueous semi-solid flow battery based on Na-ion chemistry. P2-type Na <sub>(x)</sub> Ni <sub>(0.22)</sub> Co <sub>(0.11)</sub> Mn <sub>(0.66)</sub> O <sub>(2)</sub> -NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> . <b>2015</b> , 51, 7298-301	44
2090	Pure Single-Crystalline NaVO Nanobelts as Superior Cathode Materials for Rechargeable Sodium-Ion Batteries. <b>2015</b> , 2, 1400018	99
2089	Novel sodium bismuth sulfide nanostructures: a promising anode materials for sodium-ion batteries with high capacity. <b>2015</b> , 21, 1967-1972	18
2088	Microstructure and electro-optical properties of Cu/Ni co-doped AZO transparent conducting thin films by sol-gel method. <b>2015</b> , 26, 1151-1158	2
2087	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
2086	New layered metal oxides as positive electrode materials for room-temperature sodium-ion batteries. <b>2015</b> , 24, 038202	29
2085	Nanostructured alkali cation incorporated EMnO <sub>2</sub> cathode materials for aqueous sodium-ion batteries. <b>2015</b> , 3, 7780-7785	56
2084	A new low-voltage plateau of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as an anode for Na-ion batteries. <b>2015</b> , 51, 6381-3	108
2083	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
2082	Recent developments in electrode materials for sodium-ion batteries. <b>2015</b> , 3, 9353-9378	357
2081	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
2080	Correlations between electrochemical Na <sup>+</sup> storage properties and physiochemical characteristics of holey graphene nanosheets. <b>2015</b> , 3, 17282-17289	43
2079	Enhanced sodium storage property of copper nitrate hydrate by carbon nanotube. <b>2015</b> , 755, 92-99	4
2078	Properties and sodium insertion behavior of Phenolic Resin-based hard carbon microspheres obtained by a hydrothermal method. <b>2015</b> , 755, 87-91	34
2077	New Mechanistic Insights on Na-Ion Storage in Nongraphitizable Carbon. <b>2015</b> , 15, 5888-92	492

2076	A sulfonated polyaniline with high density and high rate Na-storage performances as a flexible organic cathode for sodium ion batteries. <b>2015</b> , 51, 14354-6	66
2075	High-Performance Olivine NaFePO <sub>4</sub> Microsphere Cathode Synthesized by Aqueous Electrochemical Displacement Method for Sodium Ion Batteries. <b>2015</b> , 7, 17977-84	108
2074	Facile synthesis of rutile TiO <sub>2</sub> mesocrystals with enhanced sodium storage properties. <b>2015</b> , 3, 17412-17416	72
2073	Self-wrapped Sb/C nanocomposite as anode material for High-performance sodium-ion batteries. <b>2015</b> , 16, 479-487	124
2072	Carbon nanotube@layered nickel silicate coaxial nanocables as excellent anode materials for lithium and sodium storage. <b>2015</b> , 3, 16551-16559	49
2071	Na <sub>2</sub> CoSiO <sub>4</sub> as a novel positive electrode material for sodium-ion capacitors. <b>2015</b> , 158, 300-303	23
2070	Revealing and suppressing surface Mn(II) formation of Na <sub>0.44</sub> MnO <sub>2</sub> electrodes for Na-ion batteries. <b>2015</b> , 16, 186-195	98
2069	Preliminary study of high energy density Zn/Ni flow batteries. <b>2015</b> , 294, 574-579	20
2068	Iso-Oriented Anatase TiO <sub>2</sub> Mesocages as a High Performance Anode Material for Sodium-Ion Storage. <b>2015</b> , 5, 11960	61
2067	Ex situ electrochemical sodiation/desodiation observation of CoO <sub>x</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
2066	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
2065	Designing an advanced P2-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
2064	Update on anode materials for Na-ion batteries. <b>2015</b> , 3, 17899-17913	341
2063	Flexible metal-organic frameworks as superior cathodes for rechargeable sodium-ion batteries. <b>2015</b> , 3, 16590-16597	79
2062	First-principles investigation on structural and electrochemical properties of NaCoO <sub>2</sub> for rechargeable Na-ion batteries. <b>2015</b> , 22, 2036-2042	3
2061	Fast discharge process of layered cobalt oxides due to high Na <sup>+</sup> diffusion. <b>2015</b> , 5, 9006	52
2060	Lithium Titanate-Based Anode Materials. <b>2015</b> , 157-187	5
2059	Retracted Article: Mesoporous amorphous FeOF nanococoons for high-rate and long-life rechargeable sodium-ion batteries. <b>2015</b> , 3, 16716-16727	22

2058	FeOOH: An Earth-Abundant High-Capacity Negative Electrode Material for Sodium-Ion Batteries. <b>2015</b> , 27, 5340-5348	49
2057	A fluorophosphate glass/ceramic electrolyte with superior ionic conductivity and stability for Na-ion batteries. <b>2015</b> , 3, 17558-17562	19
2056	Peanut shell derived hard carbon as ultralong cycling anodes for lithium and sodium batteries. <b>2015</b> , 176, 533-541	186
2055	Humic acid as promising organic anodes for lithium/sodium ion batteries. <b>2015</b> , 51, 14708-11	62
2054	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
2053	Important Role of Functional Groups for Sodium Ion Intercalation in Expanded Graphite. <b>2015</b> , 27, 5402-5406	62
2052	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
2051	Improved sodium-storage performance of stannous sulfide@reduced graphene oxide composite as high capacity anodes for sodium-ion batteries. <b>2015</b> , 293, 784-789	79
2050	VO <sub>2</sub> /rGO nanorods as a potential anode for sodium- and lithium-ion batteries. <b>2015</b> , 3, 14750-14758	86
2049	Carbon-coated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanocomposite as a novel high rate cathode material for aqueous sodium ion batteries. <b>2015</b> , 646, 522-527	61
2048	Organic Cathode Materials for Rechargeable Batteries. <b>2015</b> , 637-671	7
2047	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
2046	A spray drying approach for the synthesis of a Na <sub>2</sub> C <sub>6</sub> H <sub>2</sub> O <sub>4</sub> /CNT nanocomposite anode for sodium-ion batteries. <b>2015</b> , 3, 13193-13197	56
2045	Insights into the Transport of Alkali Metal Ions Doped into a Plastic Crystal Electrolyte. <b>2015</b> , 27, 2666-2672	24
2044	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
2043	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
2042	On the Way Toward Understanding Solution Chemistry of Lithium Polysulfides for High Energy Li <sup>+</sup> Redox Flow Batteries. <b>2015</b> , 5, 1500113	103
2041	Vanadium-based polyoxometalate as new material for sodium-ion battery anodes. <b>2015</b> , 288, 270-277	61



2040	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
2039	Aerosol-assisted rapid synthesis of SnS-C composite microspheres as anode material for Na-ion batteries. <b>2015</b> , 8, 1595-1603	104
2038	A High-Rate and Ultralong-Life Sodium-Ion Battery Based on NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Nanocubes with Synergistic Coating of Carbon and Rutile TiO <sub>2</sub> . <b>2015</b> , 11, 3744-9	106
2037	Ether-based electrolyte enabled Na/FeS <sub>2</sub> rechargeable batteries. <b>2015</b> , 54, 18-22	107
2036	Synthesis of Carbon coated Nano-Na <sub>4</sub> Ni <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> P <sub>2</sub> O <sub>7</sub> as a Novel Cathode Material for Hybrid Supercapacitors. <b>2015</b> , 169, 447-455	29
2035	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
2034	Roll-to-roll fabrication of organic nanorod electrodes for sodium ion batteries. <b>2015</b> , 13, 537-545	73
2033	Improved Electrochemical Performance of Fe-Substituted NaNi <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> Cathode Materials for Sodium-Ion Batteries. <b>2015</b> , 7, 8585-91	162
2032	Graphene nanosheets, carbon nanotubes, graphite, and activated carbon as anode materials for sodium-ion batteries. <b>2015</b> , 3, 10320-10326	180
2031	FeSe <sub>2</sub> Microspheres as a High-Performance Anode Material for Na-Ion Batteries. <b>2015</b> , 27, 3305-9	483
2030	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
2029	A Composite Gel Polymer/Glass Fiber Electrolyte for Sodium-Ion Batteries. <b>2015</b> , 5, 1402235	114
2028	Ambient-Temperature Sodium Sulfur Batteries with a Sodiated Nafion Membrane and a Carbon Nanofiber-Activated Carbon Composite Electrode. <b>2015</b> , 5, 1500350	124
2027	Fast preparation of Na <sub>0.44</sub> MnO <sub>2</sub> nanorods via a high NaOH concentration hydrothermal soft chemical reaction and their lithium storage properties. <b>2015</b> , 17, 1	15
2026	High performance Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C composite electrode for sodium-ion capacitors. <b>2015</b> , 21, 2633-2638	20
2025	Highly crystalline Prussian blue/graphene composites for high-rate performance cathodes in Na-ion batteries. <b>2015</b> , 5, 37545-37552	55
2024	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
2023	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

2022	A 3D porous interconnected NaVPO <sub>4</sub> F/C network: preparation and performance for Na-ion batteries. <b>2015</b> , 5, 40065-40069		33
2021	Improved electrochemical performance of CoS <sub>2</sub> -MWCNT nanocomposites for sodium-ion batteries. <b>2015</b> , 51, 10486-9		184
2020	Hydrated vanadium pentoxide with superior sodium storage capacity. <b>2015</b> , 3, 8070-8075		146
2019	A Na/MnO <sub>2</sub> Primary Cell Employing Poorly Crystalline MnO <sub>2</sub> . <b>2015</b> , 162, A839-A844		4
2018	Ti-substituted tunnel-type NaMnO <sub>2</sub> oxide as a negative electrode for aqueous sodium-ion batteries. <b>2015</b> , 6, 6401		265
2017	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
2016	Fe <sub>2</sub> O <sub>3</sub> -reduced graphene oxide composites synthesized via microwave-assisted method for sodium ion batteries. <b>2015</b> , 166, 12-16		118
2015	Inexpensive antimony nanocrystals and their composites with red phosphorus as high-performance anode materials for Na-ion batteries. <b>2015</b> , 5, 8418		57
2014	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
2013	A phase-transfer assisted solvo-thermal strategy for low-temperature synthesis of Na <sub>3</sub> (VO <sub>1-x</sub> PO <sub>4</sub> ) <sub>2</sub> F <sub>1+2x</sub> cathodes for sodium-ion batteries. <b>2015</b> , 51, 7160-3		51
2012	Nanoeffects promote the electrochemical properties of organic Na <sub>2</sub> C <sub>8</sub> H <sub>4</sub> O <sub>4</sub> as anode material for sodium-ion batteries. <b>2015</b> , 13, 450-457		116
2011	An electrochemical investigation of rutile TiO <sub>2</sub> microspheres anchored by nanoneedle clusters for sodium storage. <b>2015</b> , 17, 15764-70		66
2010	P <sub>2</sub> -Na <sub>0.6</sub> [Cr <sub>0.6</sub> Ti <sub>0.4</sub> ]O <sub>2</sub> cation-disordered electrode for high-rate symmetric rechargeable sodium-ion batteries. <b>2015</b> , 6, 6954		345
2009	Fabrication and Shell Optimization of Synergistic TiO <sub>2</sub> -MoO <sub>3</sub> Core-Shell Nanowire Array Anode for High Energy and Power Density Lithium-Ion Batteries. <b>2015</b> , 25, 3524-3533		223
2008	Sodium-difluoro(oxalato)borate (NaDFOB): a new electrolyte salt for Na-ion batteries. <b>2015</b> , 51, 9809-12		40
2007	Exceptionally highly performing Na-ion battery anode using crystalline SnO <sub>2</sub> nanoparticles confined in mesoporous carbon. <b>2015</b> , 3, 11960-11969		61
2006	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
2005	Thermal and Transport Properties of Na[N(SO <sub>2</sub> F) <sub>2</sub> ][N-Methyl-N-propylpyrrolidinium][N(SO <sub>2</sub> F) <sub>2</sub> ] Ionic Liquids for Na Secondary Batteries. <b>2015</b> , 119, 7648-7655		93

2004	Additive-free sodium titanate nanotube array as advanced electrode for sodium ion batteries. <b>2015</b> , 13, 687-692	58
2003	Is TiO (B) the Future of Titanium-Based Battery Materials?. <b>2015</b> , 80, 785-795	64
2002	A novel Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> -based high-performance lithium-ion electrode at elevated temperature. <b>2015</b> , 3, 4938-4944	59
2001	Direct Observation of the Redistribution of Sulfur and Polysulfides in LiS Batteries During the First Cycle by In Situ X-Ray Fluorescence Microscopy. <b>2015</b> , 5, 1500072	74
2000	A study of a novel Na ion battery and its anodic degradation using sodium rich prussian blue cathode coupled with different titanium based oxide anodes. <b>2015</b> , 286, 276-289	17
1999	Discrete Li-occupation versus pseudo-continuous Na-occupation and their relationship with structural change behaviors in Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> . <b>2015</b> , 5, 8810	34
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1997	Improving the capacity of sodium ion battery using a virus-templated nanostructured composite cathode. <b>2015</b> , 15, 2917-21	63
1996	High-Capacity, High-Rate BiSb Alloy Anodes for Lithium-Ion and Sodium-Ion Batteries. <b>2015</b> , 27, 3096-3101	221
1995	Sn-doped TiO <sub>2</sub> nanotubes as superior anode materials for sodium ion batteries. <b>2015</b> , 51, 8261-4	116
1994	Improved Dielectric Properties and Energy Storage Density of Poly(vinylidene fluoride-co-hexafluoropropylene) Nanocomposite with Hydantoin Epoxy Resin Coated BaTiO <sub>3</sub> . <b>2015</b> , 7, 8061-9	217
1993	A polyimide based all-organic sodium ion battery. <b>2015</b> , 3, 10453-10458	117
1992	A Layered P <sub>2</sub> - and O <sub>3</sub> -Type Composite as a High-Energy Cathode for Rechargeable Sodium-Ion Batteries. <b>2015</b> , 127, 5992-5997	44
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1947	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
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1893	Penta-graphene: A Promising Anode Material as the Li/Na-Ion Battery with Both Extremely High Theoretical Capacity and Fast Charge/Discharge Rate. <b>2016</b> , 8, 35342-35352	107
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1891	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
1890	Mesoporous soft carbon as an anode material for sodium ion batteries with superior rate and cycling performance. <b>2016</b> , 4, 6472-6478	227
1889	The relation between the structure and electrochemical performance of sodiated iron phosphate in sodium-ion batteries. <b>2016</b> , 314, 1-9	22
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1887	Enhanced high-rate performance of manganese substituted $\text{Na}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ as cathode for sodium-ion batteries. <b>2016</b> , 313, 73-80	99
1886	Electrochemical characterization of $\text{NaFe}_2(\text{CN})_6$ Prussian Blue as positive electrode for aqueous sodium-ion batteries. <b>2016</b> , 210, 352-357	45
1885	Uniform distribution of 1-D $\text{SnO}_2$ nanorod arrays anchored on 2-D graphene sheets for reversible sodium storage. <b>2016</b> , 154, 54-60	16
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1882	Hollow $\text{K}_0.27\text{MnO}_2$ Nanospheres as Cathode for High-Performance Aqueous Sodium Ion Batteries. <b>2016</b> , 8, 14564-71	66
1881	High Performance Liquid Metal Battery with Environmentally Friendly Antimony-Tin Positive Electrode. <b>2016</b> , 8, 12830-5	52
1880	Carbon- and Binder-Free $\text{NiCo}_2\text{O}_4$ Nanoneedle Array Electrode for Sodium-Ion Batteries: Electrochemical Performance and Insight into Sodium Storage Reaction. <b>2016</b> , 11, 45	23
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1878	Saltwater as the energy source for low-cost, safe rechargeable batteries. <b>2016</b> , 4, 7207-7213	18
1877	Study of tin-sulphur-carbon nanocomposites based on electrically exploded tin as anode for sodium battery. <b>2016</b> , 315, 218-223	17
1876	pH-regulative synthesis of Na <sub>3</sub> (VPO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> nanoflowers and their improved Na cycling stability. <b>2016</b> , 4, 7178-7184	60
1875	Symmetric full cells assembled by using self-supporting Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> bipolar electrodes for superior sodium energy storage. <b>2016</b> , 4, 7155-7159	69
1874	Tire-derived carbon composite anodes for sodium-ion batteries. <b>2016</b> , 316, 232-238	63
1873	Understanding the Size-Dependent Sodium Storage Properties of Na <sub>2</sub> C <sub>6</sub> O <sub>6</sub> -Based Organic Electrodes for Sodium-Ion Batteries. <b>2016</b> , 16, 3329-34	147
1872	Biotechnology humic acids-based electrospun carbon nanofibers as cost-efficient electrodes for lithium-ion batteries. <b>2016</b> , 203, 66-73	11
1871	Li-Substituted Co-Free Layered P <sub>2</sub> /O <sub>3</sub> Biphasic Na <sub>0.67</sub> Mn <sub>0.55</sub> Ni <sub>0.25</sub> Ti <sub>0.2</sub> Li <sub>x</sub> O <sub>2</sub> as High-Rate-Capability Cathode Materials for Sodium Ion Batteries. <b>2016</b> , 120, 9007-9016	71
1870	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
1869	Methoxypolyethylene glycol functionalized carbon nanotube composites with high permittivity and low dielectric loss. <b>2016</b> , 86, 57-65	32
1868	In situ quantization of ferroferric oxide embedded in 3D microcarbon for ultrahigh performance sodium-ion batteries. <b>2016</b> , 4, 8822-8829	39
1867	Long cycle life microporous spherical carbon anodes for sodium-ion batteries derived from furfuryl alcohol. <b>2016</b> , 4, 6271-6275	38
1866	Nanostructured electrode materials for lithium-ion and sodium-ion batteries via electrospinning. <b>2016</b> , 59, 287-321	109
1865	Graphene wrapped NASICON-type Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> nanoparticles as a ultra-high rate cathode for sodium ion batteries. <b>2016</b> , 24, 130-138	49
1864	Highly-crystalline lanthanide doped and carbon encapsulated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanosheets as an anode material for sodium ion batteries with superior electrochemical performance. <b>2016</b> , 207, 275-283	11
1863	Emerging non-lithium ion batteries. <b>2016</b> , 4, 103-129	180
1862	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
1861	In operando Synchrotron XRD/XAS Investigation of Sodium Insertion into the Prussian Blue Analogue Cathode Material Na <sub>1.32</sub> Mn[Fe(CN) <sub>6</sub> ] <sub>0.83</sub> ·xH <sub>2</sub> O. <b>2016</b> , 200, 305-313	42

1860	Stability of Ionic Liquids against Sodium Metal: A Comparative Study of 1-Ethyl-3-methylimidazolium Ionic Liquids with Bis(fluorosulfonyl)amide and Bis(trifluoromethylsulfonyl)amide. <b>2016</b> , 120, 9628-9636	38
1859	Novel 1.5 V anode materials, ATiOPO <sub>4</sub> (A = NH <sub>4</sub> , K, Na), for room-temperature sodium-ion batteries. <b>2016</b> , 4, 7141-7147	26
1858	Layered P2-type Na <sub>0.5</sub> Ni <sub>0.25</sub> Mn <sub>0.75</sub> O <sub>2</sub> as a high performance cathode material for sodium-ion batteries. <b>2016</b> , 206, 199-206	55
1857	Highly stable linear carbonate-containing electrolytes with fluoroethylene carbonate for high-performance cathodes in sodium-ion batteries. <b>2016</b> , 320, 49-58	63
1856	Sodiation vs. Lithiation of FePO <sub>4</sub> : A comparative kinetic study. <b>2016</b> , 216, 412-419	17
1855	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
1854	Synthesis of FeS@C-N hierarchical porous microspheres for the applications in lithium/sodium ion batteries. <b>2016</b> , 688, 790-797	57
1853	Engineering Hierarchical Hollow Nickel Sulfide Spheres for High-Performance Sodium Storage. <b>2016</b> , 26, 7479-7485	142
1852	P2-type Na <sub>0.67</sub> Mn <sub>0.72</sub> Ni <sub>0.14</sub> Co <sub>0.14</sub> O <sub>2</sub> with K <sup>+</sup> doping as new high rate performance cathode material for sodium-ion batteries. <b>2016</b> , 216, 51-57	48
1851	Core-shell hexacyanoferrate for superior Na-ion batteries. <b>2016</b> , 329, 290-296	43
1850	Tuning the carbon content on TiO <sub>2</sub> nanosheets for optimized sodium storage. <b>2016</b> , 219, 163-169	9
1849	Electrochemical performance of fulvic acid-based electrospun hard carbon nanofibers as promising anodes for sodium-ion batteries. <b>2016</b> , 334, 170-178	38
1848	Electrochemical Intercalation of Potassium into Graphite. <b>2016</b> , 26, 8103-8110	426
1847	Effects of pore size and surface charge on Na ion storage in carbon nanopores. <b>2016</b> , 18, 30761-30769	19
1846	Highly Stable Iron- and Manganese-Based Cathodes for Long-Lasting Sodium Rechargeable Batteries. <b>2016</b> , 28, 7241-7249	43
1845	Rod-like Ordered Mesoporous Carbons with Various Lengths as Anode Materials for Sodium Ion Battery. <b>2016</b> , 218, 285-293	17
1844	Self-Assembled Synthesis of Mesocrystalline TiO <sub>2</sub> @C-rGO Hybrid Nanostructures for Highly Reversible Sodium Storage. <b>2016</b> , 16, 6605-6612	19
1843	Polyaniline-based electrodes: recent application in supercapacitors and next generation rechargeable batteries. <b>2016</b> , 13, 150-160	31

1842	Ab initio prediction of a silicene and graphene heterostructure as an anode material for Li- and Na-ion batteries. <b>2016</b> , 4, 16377-16382	108
1841	A ceramic/polymer composite solid electrolyte for sodium batteries. <b>2016</b> , 4, 15823-15828	108
1840	Flaky CoS <sub>2</sub> and graphene nanocomposite anode materials for sodium-ion batteries with improved performance. <b>2016</b> , 6, 70632-70637	53
1839	Boron Substituted NaV(P B O) Cathode Materials with Enhanced Performance for Sodium-Ion Batteries. <b>2016</b> , 3, 1600112	64
1838	Investigating non-fluorinated anions for sodium battery electrolytes based on ionic liquids. <b>2016</b> , 71, 48-51	29
1837	The importance of solid electrolyte interphase formation for long cycle stability full-cell Na-ion batteries. <b>2016</b> , 27, 664-672	33
1836	Insights into the Effects of Zinc Doping on Structural Phase Transition of P2-Type Sodium Nickel Manganese Oxide Cathodes for High-Energy Sodium Ion Batteries. <b>2016</b> , 8, 22227-37	128
1835	Poly(anthraquinonyl sulfide) cathode for potassium-ion batteries. <b>2016</b> , 71, 5-8	192
1834	Symmetric Electrodes for Electrochemical Energy-Storage Devices. <b>2016</b> , 3, 1600115	49
1833	Sodium Bis(fluorosulfonyl)imide/Poly(ethylene oxide) Polymer Electrolytes for Sodium-Ion Batteries. <b>2016</b> , 3, 1741-1745	52
1832	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
1831	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
1830	A floral variant of mesoporous carbon as an anode material for high performance sodium and lithium ion batteries. <b>2016</b> , 6, 78235-78240	12
1829	Crystal and electronic structure changes during the charge-discharge process of Na <sub>4</sub> Co <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> P <sub>2</sub> O <sub>7</sub> . <b>2016</b> , 326, 220-225	25
1828	Cu <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> /C composite as a high-capacity cathode material for rechargeable Na-ion batteries. <b>2016</b> , 27, 420-429	22
1827	Metal-organic framework derived CuO hollow spheres as high performance anodes for sodium ion battery. <b>2016</b> , 31, 497-500	13
1826	Nanoengineering to Achieve High Sodium Storage: A Case Study of Carbon Coated Hierarchical Nanoporous TiO Microfibers. <b>2016</b> , 3, 1600013	39
1825	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

1824	SnO <sub>2</sub> -Reduced Graphene Oxide Nanocomposites via Microwave Route as Anode for Sodium-Ion Battery. <b>2016</b> , 68, 2607-2612	8
1823	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
1822	A Selectively Permeable Membrane for Enhancing Cyclability of Organic Sodium-Ion Batteries. <b>2016</b> , 28, 9182-9187	59
1821	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
1820	Size-Tunable Olive-Like Anatase TiO <sub>2</sub> Coated with Carbon as Superior Anode for Sodium-Ion Batteries. <b>2016</b> , 12, 5554-5563	65
1819	Rational selection of amorphous or crystalline VO cathode for sodium-ion batteries. <b>2016</b> , 18, 25645-25654	41
1818	Jahn-Teller Assisted Na Diffusion for High Performance Na Ion Batteries. <b>2016</b> , 28, 6575-6583	89
1817	In Operando XRD and TXM Study on the Metastable Structure Change of NaNi <sub>1/3</sub> Fe <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> under Electrochemical Sodium-Ion Intercalation. <b>2016</b> , 6, 1601306	95
1816	Tuning the Phase Stability of Sodium Metal Pyrophosphates for Synthesis of High Voltage Cathode Materials. <b>2016</b> , 28, 6724-6730	12
1815	Recent progress of silicon composites as anode materials for secondary batteries. <b>2016</b> , 6, 87778-87790	48
1814	Advanced sodium-ion batteries using superior low cost pyrolyzed anthracite anode: towards practical applications. <b>2016</b> , 5, 191-197	173
1813	Liquid Phase Exfoliated MoS <sub>2</sub> Nanosheets Percolated with Carbon Nanotubes for High Volumetric/Areal Capacity Sodium-Ion Batteries. <b>2016</b> , 10, 8821-8	221
1812	A sulfurization-based oligomeric sodium salt as a high-performance organic anode for sodium ion batteries. <b>2016</b> , 52, 11207-10	27
1811	O <sub>3</sub> -type NaNi <sub>0.33</sub> Li <sub>0.17</sub> Ti <sub>0.5</sub> O <sub>2</sub> -based electrode for symmetric sodium ion cell. <b>2016</b> , 329, 1-7	24
1810	Unlocking the electrochemistry abilities of nanoscaled Na <sub>2/3</sub> Ni <sub>1/4</sub> Mn <sub>3/4</sub> O <sub>2</sub> thin films. <b>2016</b> , 215, 550-555	7
1809	In Situ Transmission Electron Microscopy Observation of Sodiation/Desodiation in a Long Cycle, High-Capacity Reduced Graphene Oxide Sodium-Ion Battery Anode. <b>2016</b> , 28, 6528-6535	59
1808	Hierarchical porous nanocomposite architectures from multi-wall carbon nanotube threaded mesoporous NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanocrystals for high-performance sodium electrodes. <b>2016</b> , 327, 580-590	42
1807	Understanding sodium-ion diffusion in layered P <sub>2</sub> and P <sub>3</sub> oxides via experiments and first-principles calculations: a bridge between crystal structure and electrochemical performance. <b>2016</b> , 8, e266-e266	74

1806	Hard Carbon Fibers Pyrolyzed from Wool as High-Performance Anode for Sodium-Ion Batteries. <b>2016</b> , 68, 2579-2584		19
1805	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
1804	Suitability of ionic liquid electrolytes for room-temperature sodium-ion battery applications. <b>2016</b> , 52, 10890-3		49
1803	Quantification of Honeycomb Number-Type Stacking Faults: Application to Na <sub>3</sub> Ni <sub>2</sub> BiO <sub>6</sub> Cathodes for Na-Ion Batteries. <b>2016</b> , 55, 8478-92		38
1802	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
1801	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
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1799	Electrochemical activity of Fe-MIL-100 as a positive electrode for Na-ion batteries. <b>2016</b> , 4, 13764-13770		12
1798	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
1797	Toothpaste-like Electrode: A Novel Approach to Optimize the Interface for Solid-State Sodium-Ion Batteries with Ultralong Cycle Life. <b>2016</b> , 8, 32631-32636		49
1796	NaCoSiO as a cathode material for sodium-ion batteries: structure, electrochemistry and diffusion pathways. <b>2016</b> , 18, 32744-32752		54
1795	One-step pyrolysis synthesis of octahedral Fe <sub>3</sub> O <sub>4</sub> /C nanocomposites as superior anodes for sodium-ion batteries. <b>2016</b> , 18, 9231-9235		13
1794	Kinetics of Na CF <sub>x</sub> and Li CF <sub>x</sub> systems. <b>2016</b> , 20, 3367-3373		10
1793	In situ TEM probing of crystallization form-dependent sodiation behavior in ZnO nanowires for sodium-ion batteries. <b>2016</b> , 30, 771-779		45
1792	3D-0D Graphene-FeO Quantum Dot Hybrids as High-Performance Anode Materials for Sodium-Ion Batteries. <b>2016</b> , 8, 26878-26885		125
1791	Carbon nanosheet frameworks derived from sodium alginate as anode materials for sodium-ion batteries. <b>2016</b> , 185, 530-533		7
1790	Hierarchical mesoporous octahedral K <sub>2</sub> Mn <sub>1-x</sub> CoxFe(CN) <sub>6</sub> as a superior cathode material for sodium-ion batteries. <b>2016</b> , 4, 16205-16212		51
1789	Wood-Derived Materials for Green Electronics, Biological Devices, and Energy Applications. <b>2016</b> , 116, 9305-74		802

1788	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
1787	Half and full sodium-ion batteries based on maize with high-loading density and long-cycle life. <b>2016</b> , 8, 15497-504	27
1786	A waste biomass derived hard carbon as a high-performance anode material for sodium-ion batteries. <b>2016</b> , 4, 13046-13052	183
1785	Partially Single-Crystalline Mesoporous Nb <sub>2</sub> O <sub>5</sub> Nanosheets in between Graphene for Ultrafast Sodium Storage. <b>2016</b> , 28, 7672-9	141
1784	Pinecone-like hierarchical anatase TiO <sub>2</sub> bonded with carbon enabling ultrahigh cycling rates for sodium storage. <b>2016</b> , 4, 12591-12601	70
1783	Synthesis of Monocrystalline Nanoframes of Prussian Blue Analogues by Controlled Preferential Etching. <b>2016</b> , 55, 8228-34	138
1782	A Lamellar Hybrid Assembled from Metal Disulfide Nanowall Arrays Anchored on a Carbon Layer: In Situ Hybridization and Improved Sodium Storage. <b>2016</b> , 28, 7774-82	122
1781	Recent Progress in Electrode Materials for Sodium-Ion Batteries. <b>2016</b> , 6, 1600943	686
1780	Synthesis of Monocrystalline Nanoframes of Prussian Blue Analogues by Controlled Preferential Etching. <b>2016</b> , 128, 8368-8374	25
1779	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
1778	Effect of Li <sub>1/3</sub> Mn <sub>2/3</sub> -Substitution on Electrochemical Performance of P2-Na <sub>0.74</sub> CoO <sub>2</sub> Cathode for Sodium-ion Batteries. <b>2016</b> , 222, 862-866	6
1777	Design and synthesis of the superionic conductor Na <sub>10</sub> SnP <sub>2</sub> S <sub>12</sub> . <b>2016</b> , 7, 11009	193
1776	NaMV(PO) (M = Mn, Fe, Ni) Structure and Properties for Sodium Extraction. <b>2016</b> , 16, 7836-7841	146
1775	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
1774	Sodium-deficient O <sub>3</sub> Na <sub>0.9</sub> Mn <sub>0.4</sub> Fe <sub>0.5</sub> Ti <sub>0.1</sub> O <sub>2</sub> as a cathode material for sodium-ion batteries. <b>2016</b> , 6, 103238-103241	5
1773	Amorphous FeO/Graphene Composite Nanosheets with Enhanced Electrochemical Performance for Sodium-Ion Battery. <b>2016</b> , 8, 30899-30907	134
1772	Nitrogen-doped TiO <sub>2</sub> nanospheres for advanced sodium-ion battery and sodium-ion capacitor applications. <b>2016</b> , 4, 18278-18283	111
1771	Chemical Inhibition Method to Synthesize Highly Crystalline Prussian Blue Analogs for Sodium-Ion Battery Cathodes. <b>2016</b> , 8, 31669-31676	102



1770	Core/Double-Shell Structured NaV(PO)F@C Nanocomposite as the High Power and Long Lifespan Cathode for Sodium-Ion Batteries. <b>2016</b> , 8, 31709-31715	110
1769	Carbon-Coated NaV(PO) Anchored on Freestanding Graphite Foam for High-Performance Sodium-Ion Cathodes. <b>2016</b> , 8, 32360-32365	40
1768	Enhanced Performance by Enlarged Nano-pores of Holly Leaf-derived Lamellar Carbon for Sodium-ion Battery Anode. <b>2016</b> , 6, 26246	28
1767	Sodium vanadate nanowires @ polypyrrole with synergetic core-shell structure for enhanced reversible sodium-ion storage. <b>2016</b> , 137, 130-137	25
1766	Room-Temperature All-solid-state Rechargeable Sodium-ion Batteries with a Cl-doped Na <sub>3</sub> PS <sub>4</sub> Superionic Conductor. <b>2016</b> , 6, 33733	147
1765	An O <sub>3</sub> -type NaNi <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> cathode for sodium-ion batteries with improved rate performance and cycling stability. <b>2016</b> , 4, 17660-17664	131
1764	Flash-induced reduced graphene oxide as a Sn anode host for high performance sodium ion batteries. <b>2016</b> , 4, 18306-18313	39
1763	Gamma titanium phosphate as an electrode material for Li-ion and Na-ion storage: performance and mechanism. <b>2016</b> , 4, 18084-18090	6
1762	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	
1761	Sodium-Deficient O <sub>3</sub> -Na <sub>0.9</sub> [Ni <sub>0.4</sub> Mn <sub>x</sub> Ti <sub>0.6-x</sub> ]O <sub>2</sub> Layered-Oxide Cathode Materials for Sodium-Ion Batteries. <b>2016</b> , 33, 538-544	39
1760	Going Beyond Lithium Hybrid Capacitors: Proposing a New High-Performing Sodium Hybrid Capacitor System for Next-Generation Hybrid Vehicles Made with Bio-Inspired Activated Carbon. <b>2016</b> , 6, 1502199	112
1759	Superior Sodium Storage in Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> Nanotube Arrays through Surface Engineering. <b>2016</b> , 6, 1502568	189
1758	MoS <sub>2</sub> -Quantum-Dot-Interspersed Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Nanosheets with Enhanced Performance for Li- and Na-Ion Batteries. <b>2016</b> , 26, 3349-3358	115
1757	Prussian Blue@C Composite as an Ultrahigh-Rate and Long-Life Sodium-Ion Battery Cathode. <b>2016</b> , 26, 5315-5321	241
1756	Two-Dimensional Materials for Beyond-Lithium-Ion Batteries. <b>2016</b> , 6, 1600025	418
1755	Defect-Controlled Formation of Triclinic Na <sub>2</sub> CoP <sub>2</sub> O <sub>7</sub> for 4 V Sodium-Ion Batteries. <b>2016</b> , 55, 6662-6	55
1754	Apple-Biowaste-Derived Hard Carbon as a Powerful Anode Material for Na-Ion Batteries. <b>2016</b> , 3, 292-298	162
1753	Na <sub>2</sub> Co <sub>3</sub> [Fe(CN) <sub>6</sub> ] <sub>2</sub> : A promising cathode material for lithium-ion and sodium-ion batteries. <b>2016</b> , 685, 344-349	14



1752	Preparation of Prussian Blue Submicron Particles with a Pore Structure by Two-Step Optimization for Na-Ion Battery Cathodes. <b>2016</b> , 8, 16078-86	71
1751	Scalable synthesis and superior performance of TiO <sub>2</sub> -reduced graphene oxide composite anode for sodium-ion batteries. <b>2016</b> , 22, 555-562	19
1750	Hierarchical tubular structures constructed from rutile TiO <sub>2</sub> nanorods with superior sodium storage properties. <b>2016</b> , 211, 77-82	26
1749	Na <sub>3</sub> V <sub>2</sub> O <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F-MWCNT nanocomposites as a stable and high rate cathode for aqueous and non-aqueous sodium-ion batteries. <b>2016</b> , 324, 421-427	72
1748	Unveiling the Role of Co in Improving the High-Rate Capability and Cycling Performance of Layered Na <sub>0.7</sub> Mn <sub>0.7</sub> Ni <sub>0.3-x</sub> CoxO <sub>2</sub> Cathode Materials for Sodium-Ion Batteries. <b>2016</b> , 8, 15439-48	96
1747	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
1746	Enhanced conversion reaction kinetics in low crystallinity SnO <sub>2</sub> /CNT anodes for Na-ion batteries. <b>2016</b> , 4, 10964-10973	102
1745	Facile solvothermal synthesis of NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C porous plates as electrode materials for high-performance sodium ion batteries. <b>2016</b> , 325, 474-481	33
1744	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
1743	Scandium-Substituted Na <sub>3</sub> Zr <sub>2</sub> (SiO <sub>4</sub> ) <sub>2</sub> (PO <sub>4</sub> ) Prepared by a Solution-Assisted Solid-State Reaction Method as Sodium-Ion Conductors. <b>2016</b> , 28, 4821-4828	146
1742	Graphene-supported TiO <sub>2</sub> nanospheres as a high-capacity and long-cycle life anode for sodium ion batteries. <b>2016</b> , 4, 11351-11356	58
1741	A Si/C nanocomposite anode by ball milling for highly reversible sodium storage. <b>2016</b> , 70, 8-12	57
1740	Ab initio prediction of borophene as an extraordinary anode material exhibiting ultrafast directional sodium diffusion for sodium-based batteries. <b>2016</b> , 61, 1138-1144	85
1739	Surface modification of battery electrodes via electroless deposition with improved performance for Na-ion batteries. <b>2016</b> , 18, 14782-6	19
1738	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
1737	A rechargeable Na-Zn hybrid aqueous battery fabricated with nickel hexacyanoferrate and nanostructured zinc. <b>2016</b> , 321, 257-263	95
1736	Sodium Ion Transport Mechanisms in Antiperovskite Electrolytes Na <sub>3</sub> OBr and Na <sub>4</sub> OI <sub>2</sub> : An in Situ Neutron Diffraction Study. <b>2016</b> , 55, 5993-8	48
1735	Flexible additive free H <sub>2</sub> V <sub>3</sub> O <sub>8</sub> nanowire membrane as cathode for sodium ion batteries. <b>2016</b> , 18, 12074-9	60

1734	Reversible Calcium Ion Batteries Using a Dehydrated Prussian Blue Analogue Cathode. <b>2016</b> , 207, 22-27	97
1733	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
1732	Towards safer sodium-ion batteries via organic solvent/ionic liquid based hybrid electrolytes. <b>2016</b> , 324, 712-721	57
1731	Zero-Strain Na <sub>2</sub> FeSiO <sub>4</sub> as Novel Cathode Material for Sodium-Ion Batteries. <b>2016</b> , 8, 17233-8	80
1730	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
1729	Core-Shell Structured o-LiMnO <sub>2</sub> @Li <sub>2</sub> CO <sub>3</sub> Nanosheet Array Cathode for High-Performance, Wide-Temperature-Tolerance Lithium-Ion Batteries. <b>2016</b> , 8, 16116-24	26
1728	High Anodic Performance of Co 1,3,5-Benzenetricarboxylate Coordination Polymers for Li-Ion Battery. <b>2016</b> , 8, 15352-60	135
1727	A polyimide/MWCNTs composite as high performance anode for aqueous Na-ion batteries. <b>2016</b> , 6, 53319-53323	7
1726	Graphene-Modified TiO <sub>2</sub> Microspheres Synthesized by a Facile Spray-Drying Route for Enhanced Sodium-Ion Storage. <b>2016</b> , 33, 545-552	36
1725	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
1724	Poly(anthraquinonyl imide) as a high capacity organic cathode material for Na-ion batteries. <b>2016</b> , 4, 11491-11497	65
1723	Ultrafast and Highly Reversible Sodium Storage in Zinc-Antimony Intermetallic Nanomaterials. <b>2016</b> , 26, 543-552	72
1722	Alkali-Metal-Ion-Functionalized Graphene Oxide as a Superior Anode Material for Sodium-Ion Batteries. <b>2016</b> , 22, 8152-7	17
1721	ZnS nanoparticles embedded in reduced graphene oxide as high performance anode material of sodium-ion batteries. <b>2016</b> , 191, 435-443	97
1720	High performance sodium storage of Fe-doped mesoporous anatase TiO <sub>2</sub> /amorphous carbon composite. <b>2016</b> , 666, 254-261	36
1719	Na-Ion Battery Anodes: Materials and Electrochemistry. <b>2016</b> , 49, 231-40	750
1718	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
1717	Synthesis, structural, and electrochemical properties of NaCo(PO <sub>3</sub> ) <sub>3</sub> cathode for sodium-ion batteries. <b>2016</b> , 20, 1241-1250	7

1716	Probing the Sodiation-Desodiation Reactions in Nano-sized Iron Fluoride Cathode. <b>2016</b> , 191, 307-316	25
1715	First-Principles Investigation of the Na <sup>+</sup> Ion Transport Property in Oxyfluorinated Titanium(IV) Phosphate Na <sub>3</sub> Ti <sub>2</sub> P <sub>2</sub> O <sub>10</sub> F. <b>2016</b> , 120, 1438-1445	7
1714	Carbon-coated Mo <sub>3</sub> Sb <sub>7</sub> composite as anode material for sodium ion batteries with long cycle life. <b>2016</b> , 307, 173-180	36
1713	Production of hollow and porous Fe <sub>2</sub> O <sub>3</sub> from industrial mill scale and its potential for large-scale electrochemical energy storage applications. <b>2016</b> , 4, 2597-2604	61
1712	Self-assembly of disordered hard carbon/graphene hybrid for sodium-ion batteries. <b>2016</b> , 305, 156-160	58
1711	Sodium titanate cuboid as advanced anode material for sodium ion batteries. <b>2016</b> , 305, 200-208	42
1710	Layered nickel sulfide-reduced graphene oxide composites synthesized via microwave-assisted method as high performance anode materials of sodium-ion batteries. <b>2016</b> , 302, 202-209	97
1709	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	354 113
1708	Significant enhancement of the cycling performance and rate capability of the P/C composite via chemical bonding (PC). <b>2016</b> , 4, 505-511	87
1707	Identification of the critical synthesis parameters for enhanced cycling stability of Na-ion anode material Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> . <b>2016</b> , 104, 125-130	24
1706	Mesocrystalline coordination polymer as a promising cathode for sodium-ion batteries. <b>2016</b> , 52, 1957-60	25
1705	A high performance hybrid battery based on aluminum anode and LiFePO <sub>4</sub> cathode. <b>2016</b> , 52, 1713-6	48
1704	How simple are the models of Na intercalation in aqueous media?. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 955-961	354 44
1703	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
1702	Graphene mediated improved sodium storage in nanocrystalline anatase TiO <sub>2</sub> for sodium ion batteries with ether electrolyte. <b>2016</b> , 52, 1428-31	43
1701	Porous Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @C nanoparticles enwrapped in three-dimensional graphene for high performance sodium-ion batteries. <b>2016</b> , 4, 1180-1185	95
1700	Synthesis of three dimensional extended conjugated polyimide and application as sodium-ion battery anode. <b>2016</b> , 287, 516-522	66
1699	A perylene anhydride crystal as a reversible electrode for K-ion batteries. <b>2016</b> , 2, 63-68	119

1698	Integrating 3D Flower-Like Hierarchical Cu <sub>2</sub> NiSnS <sub>4</sub> with Reduced Graphene Oxide as Advanced Anode Materials for Na-Ion Batteries. <b>2016</b> , 8, 9178-84	57
1697	Inexpensive colloidal SnSb nanoalloys as efficient anode materials for lithium- and sodium-ion batteries. <b>2016</b> , 4, 7053-7059	75
1696	Life cycle assessment of sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 1744-1751	35.4 151
1695	Selective Ionic Transport Pathways in Phosphorene. <b>2016</b> , 16, 2240-7	68
1694	Na <sub>1+x</sub> Al <sub>x</sub> Ge <sub>2</sub> P <sub>3</sub> O <sub>12</sub> (x = 0.5) glass-ceramic as a solid ionic conductor for sodium ion. <b>2016</b> , 289, 113-117	20
1693	High-performance NaFePO <sub>4</sub> formed by aqueous ion-exchange and its mechanism for advanced sodium ion batteries. <b>2016</b> , 4, 4882-4892	86
1692	Eco-friendly Energy Storage System: Seawater and Ionic Liquid Electrolyte. <b>2016</b> , 9, 42-9	30
1691	Polypyrrole-promoted superior cyclability and rate capability of Na <sub>x</sub> Fe[Fe(CN) <sub>6</sub> ] cathodes for sodium-ion batteries. <b>2016</b> , 4, 6036-6041	72
1690	NaFe <sub>3</sub> (HPO <sub>3</sub> ) <sub>2</sub> ((H,F)PO <sub>2</sub> OH) <sub>6</sub> : A Potential Cathode Material and a Novel Ferrimagnet. <b>2016</b> , 55, 2558-64	10
1689	Water-in-Salt Electrolytes enable green and safe Li-ion batteries for large scale electric energy storage applications. <b>2016</b> , 4, 6639-6644	140
1688	Highly Crystallized Na <sub>0.44</sub> CoFe(CN) <sub>6</sub> with Suppressed Lattice Defects as Superior Cathode Material for Sodium-Ion Batteries. <b>2016</b> , 8, 5393-9	220
1687	MoS <sub>2</sub> nanosheets grown on amorphous carbon nanotubes for enhanced sodium storage. <b>2016</b> , 4, 4375-4379	66
1686	Enhanced Li- and Na-storage in Sb-Graphene nanocomposite anodes. <b>2016</b> , 76, 338-343	21
1685	Black Phosphorus as a High-Capacity, High-Capability Negative Electrode for Sodium-Ion Batteries: Investigation of the Electrode/Electrolyte Interface. <b>2016</b> , 28, 1625-1635	199
1684	O <sub>3</sub> -type Na[Fe <sub>1/3</sub> Ni <sub>1/3</sub> Ti <sub>1/3</sub> ]O <sub>2</sub> cathode material for rechargeable sodium ion batteries. <b>2016</b> , 4, 3431-3437	57
1683	High-rate performance electrospun Na <sub>0.44</sub> MnO <sub>2</sub> nanofibers as cathode material for sodium-ion batteries. <b>2016</b> , 310, 102-108	82
1682	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
1681	Performance validation of sodium-ion batteries using an ionic liquid electrolyte. <b>2016</b> , 46, 487-496	36

1680	A sodium-ion battery exploiting layered oxide cathode, graphite anode and glyme-based electrolyte. <b>2016</b> , 310, 26-31	118
1679	Effect of surface modification on high-surface-area carbon nanosheets anode in sodium ion battery. <b>2016</b> , 227, 1-8	30
1678	Enhancing the Anode Performance of Antimony through Nitrogen-Doped Carbon and Carbon Nanotubes. <b>2016</b> , 120, 3214-3220	52
1677	New insights into designing high-rate performance cathode materials for sodium ion batteries by enlarging the slab-spacing of the Na-ion diffusion layer. <b>2016</b> , 4, 3453-3461	82
1676	In Situ Binding Sb Nanospheres on Graphene via Oxygen Bonds as Superior Anode for Ultrafast Sodium-Ion Batteries. <b>2016</b> , 8, 7790-9	145
1675	Role of iron in Na <sub>1.5</sub> Fe <sub>0.5</sub> Ti <sub>1.5</sub> (PO <sub>4</sub> ) <sub>3</sub> /C as electrode material for Na-ion batteries studied by operando Mössbauer spectroscopy. <b>2016</b> , 237, 1	3
1674	Hollow Cobalt Selenide Microspheres: Synthesis and Application as Anode Materials for Na-Ion Batteries. <b>2016</b> , 8, 6449-56	105
1673	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
1672	A promising anode material for sodium-ion battery with high capacity and high diffusion ability: graphyne and graphdiyne. <b>2016</b> , 6, 25594-25600	87
1671	Investigations on Nb <sub>2</sub> C monolayer as promising anode material for Li or non-Li ion batteries from first-principles calculations. <b>2016</b> , 6, 27467-27474	96
1670	Ultrafine potassium titanate nanowires: a new Ti-based anode for sodium ion batteries. <b>2016</b> , 52, 6229-32	45
1669	Sodium modified molybdenum sulfide via molten salt electrolysis as an anode material for high performance sodium-ion batteries. <b>2016</b> , 18, 3204-13	36
1668	A Bi <sub>2</sub> S <sub>3</sub> @CNT nanocomposite as anode material for sodium ion batteries. <b>2016</b> , 167, 102-105	51
1667	Current trends and future challenges of electrolytes for sodium-ion batteries. <b>2016</b> , 41, 2829-2846	139
1666	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
1665	Iron-based sodium-ion full batteries. <b>2016</b> , 4, 1754-1761	38
1664	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
1663	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

1662	A 3.4 V Layered VOPO4 Cathode for Na-Ion Batteries. <b>2016</b> , 28, 682-688	74
1661	Expanded graphitic materials prepared from micro- and nanometric precursors as anodes for sodium-ion batteries. <b>2016</b> , 187, 496-507	28
1660	Carbonized-leaf Membrane with Anisotropic Surfaces for Sodium-ion Battery. <b>2016</b> , 8, 2204-10	124
1659	Enhanced Sodium Ion Storage Behavior of P2-Type Na(2/3)Fe(1/2)Mn(1/2)O2 Synthesized via a Chelating Agent Assisted Route. <b>2016</b> , 8, 2857-65	97
1658	Parametric study of hydrothermal soft chemical synthesis and application of Na0.44MnO2 nanorods for Li-ion battery cathode materials: Synthesis conditions and electrochemical performance. <b>2016</b> , 658, 588-594	15
1657	Electrospun nanofibers as a platform for advanced secondary batteries: a comprehensive review. <b>2016</b> , 4, 703-750	288
1656	Reinstating lead for high-loaded efficient negative electrode for rechargeable sodium-ion battery. <b>2016</b> , 304, 1-8	30
1655	Characteristics of an ionic liquid electrolyte for sodium-ion batteries. <b>2016</b> , 303, 203-207	77
1654	High-energy cobalt hexacyanoferrate and carbon micro-spheres aqueous sodium-ion capacitors. <b>2016</b> , 303, 347-353	77
1653	Biomass derived hierarchical porous carbons as high-performance anodes for sodium-ion batteries. <b>2016</b> , 188, 103-110	171
1652	Effect of PEDOT:PSS Coating on Manganese Oxide Nanowires for Lithium Ion Battery Anodes. <b>2016</b> , 187, 340-347	35
1651	Hydrogen-enriched porous carbon nanosheets with high sodium storage capacity. <b>2016</b> , 98, 213-220	65
1650	A superior low-cost amorphous carbon anode made from pitch and lignin for sodium-ion batteries. <b>2016</b> , 4, 96-104	250
1649	Pitch-derived amorphous carbon as high performance anode for sodium-ion batteries. <b>2016</b> , 2, 139-145	203
1648	Graphene oxide wrapped Na3V2(PO4)3/C nanocomposite as superior cathode material for sodium-ion batteries. <b>2016</b> , 42, 820-827	31
1647	Graphene-based materials for electrochemical energy storage devices: Opportunities and challenges. <b>2016</b> , 2, 107-138	314
1646	Phosphate Framework Electrode Materials for Sodium Ion Batteries. <b>2017</b> , 4, 1600392	200
1645	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

1644	Porous One-Dimensional Nanomaterials: Design, Fabrication and Applications in Electrochemical Energy Storage. <b>2017</b> , 29, 1602300	435
1643	Synthesis of Hierarchically Porous Nitrogen-Doped Carbon for Sodium-Ion Batteries. <b>2017</b> , 4, 1059-1065	19
1642	Carbon-Coated FeO/VO Hollow Microboxes Derived from Metal-Organic Frameworks as a High-Performance Anode Material for Lithium-Ion Batteries. <b>2017</b> , 9, 3757-3765	67
1641	A facile sol-gel route to prepare functional graphene nanosheets anchored with homogeneous cobalt sulfide nanoparticles as superb sodium-ion anodes. <b>2017</b> , 5, 3179-3185	61
1640	Low temperature carbonization of cellulose nanocrystals for high performance carbon anode of sodium-ion batteries. <b>2017</b> , 33, 37-44	130
1639	Superior sodium storage of novel VO <sub>2</sub> nano-microspheres encapsulated into crumpled reduced graphene oxide. <b>2017</b> , 5, 4850-4860	67
1638	Mesoporous cobalt 2,5-thiophenedicarboxylic coordination polymer for high performance Na-ion batteries. <b>2017</b> , 197, 245-248	12
1637	Nanospace-controlled SnO <sub>2</sub> /Nanoporous Carbon Composite as a High-performance Anode for Sodium Ion Batteries. <b>2017</b> , 46, 502-505	9
1636	Design of FeS <sub>2</sub> @rGO composite with enhanced rate and cyclic performances for sodium ion batteries. <b>2017</b> , 230, 1-9	67
1635	Tunnel-Structured KTiO Nanorods by in Situ Carbothermal Reduction as a Long Cycle and High Rate Anode for Sodium-Ion Batteries. <b>2017</b> , 9, 7009-7016	25
1634	Investigation of KV(PO) <sub>4</sub> /C nanocomposites as high-potential cathode materials for potassium-ion batteries. <b>2017</b> , 53, 1805-1808	178
1633	Sodium-Based vs. Lithium-Based Dual-Ion Cells: Electrochemical Study of Anion Intercalation/De-Intercalation into/from Graphite and Metal Plating/Dissolution Behavior. <b>2017</b> , 228, 18-27	61
1632	Mixed polyanion NaCo <sub>1-x</sub> (VO) <sub>x</sub> PO <sub>4</sub> glass-ceramic cathode: role of Co <sup>2+</sup> structural behaviour and electrochemical performance. <b>2017</b> , 52, 5038-5047	14
1631	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
1630	Enhancing the Cycling Stability of Sodium Metal Electrodes by Building an Inorganic-Organic Composite Protective Layer. <b>2017</b> , 9, 6000-6006	88
1629	NASICON-Structured Materials for Energy Storage. <b>2017</b> , 29, 1601925	264
1628	Kelp-derived hard carbons as advanced anode materials for sodium-ion batteries. <b>2017</b> , 5, 5761-5769	112
1627	Treasure Na-ion anode from trash coke by adept electrolyte selection. <b>2017</b> , 347, 127-135	30



1626	Electrochemical study of Na <sub>0.66</sub> Ni <sub>0.33</sub> Mn <sub>0.67</sub> Mo <sub>x</sub> O <sub>2</sub> as cathode material for sodium-ion battery. <b>2017</b> , 709, 481-486	16
1625	Rapid Pseudocapacitive Sodium-Ion Response Induced by 2D Ultrathin Tin Monoxide Nanoarrays. <b>2017</b> , 27, 1606232	81
1624	Metal-organic framework derived hierarchical porous TiO <sub>2</sub> nanopills as a super stable anode for Na-ion batteries. <b>2017</b> , 26, 667-672	24
1623	Chemical bonding between antimony and ionic liquid-derived nitrogen-doped carbon for sodium-ion battery anode. <b>2017</b> , 349, 37-44	63
1622	Insights into the Dual-Electrode Characteristics of Layered NaNiMnO Materials for Sodium-Ion Batteries. <b>2017</b> , 9, 10618-10625	30
1621	Solvation structure in dilute to highly concentrated electrolytes for lithium-ion and sodium-ion batteries. <b>2017</b> , 233, 134-141	44
1620	Pseudocapacitive Sodium Storage in Mesoporous Single-Crystal-like TiO-Graphene Nanocomposite Enables High-Performance Sodium-Ion Capacitors. <b>2017</b> , 11, 2952-2960	443
1619	Synthesis of hierarchical Na <sub>2</sub> FeP <sub>2</sub> O <sub>7</sub> spheres with high electrochemical performance via spray drying. <b>2017</b> , 23, 1783-1791	4
1618	Unravelling the origin of irreversible capacity loss in NaNiO <sub>2</sub> for high voltage sodium ion batteries. <b>2017</b> , 34, 215-223	69
1617	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
1616	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
1615	Cobalt- and Cadmium-Based Metal-Organic Frameworks as High-Performance Anodes for Sodium Ion Batteries and Lithium Ion Batteries. <b>2017</b> , 9, 7160-7168	114
1614	A Few-Layer SnS <sub>2</sub> /Reduced Graphene Oxide Sandwich Hybrid for Efficient Sodium Storage. <b>2017</b> , 121, 3261-3269	99
1613	Aluminium and magnesium insertion in sulfur-based spinels: a first-principles study. <b>2017</b> , 19, 6076-6081	28
1612	A Reversible Phase Transition for Sodium Insertion in Anatase TiO <sub>2</sub> . <b>2017</b> , 29, 1836-1844	54
1611	Three-dimensional porous graphene-encapsulated CNT@SnO <sub>2</sub> composite for high-performance lithium and sodium storage. <b>2017</b> , 230, 212-221	77
1610	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
1609	Insights on the Mechanism of Na-Ion Storage in Soft Carbon Anode. <b>2017</b> , 29, 2314-2320	133



1608	Review on anionic redox for high-capacity lithium- and sodium-ion batteries. <b>2017</b> , 50, 183001	45
1607	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
1606	The electrochemical performance of NiO nanowalls/Ni anode in half-cell and full-cell sodium ion batteries. <b>2017</b> , 195, 127-130	23
1605	Tin nanoparticles embedded in ordered mesoporous carbon as high-performance anode for sodium-ion batteries. <b>2017</b> , 21, 1385-1395	17
1604	Aluminium-ion batteries: developments and challenges. <b>2017</b> , 5, 6347-6367	204
1603	Sn nanoparticles@nitrogen-doped carbon nanofiber composites as high-performance anodes for sodium-ion batteries. <b>2017</b> , 5, 6277-6283	73
1602	A sodium/aluminum hybrid battery. <b>2017</b> , 5, 6589-6596	22
1601	Graphene-Scaffolded NaV(PO) <sub>4</sub> Microsphere Cathode with High Rate Capability and Cycling Stability for Sodium Ion Batteries. <b>2017</b> , 9, 7177-7184	123
1600	Nitrogen-doped TiO <sub>2</sub> (B) nanorods as high-performance anode materials for rechargeable sodium-ion batteries. <b>2017</b> , 7, 10885-10890	43
1599	Na <sub>2</sub> Fe(C <sub>2</sub> O <sub>4</sub> )F <sub>2</sub> : A New Iron-Based Polyoxyanion Cathode for Li/Na Ion Batteries. <b>2017</b> , 29, 2167-2172	32
1598	Mo <sub>2</sub> C/N-doped carbon nanowires as anode materials for sodium-ion batteries. <b>2017</b> , 194, 30-33	18
1597	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
1596	Effect of crystallization temperature on dielectric and energy-storage properties in SrO-Na <sub>2</sub> O-Nb <sub>2</sub> O <sub>5</sub> -SiO <sub>2</sub> glass-ceramics. <b>2017</b> , 43, 8898-8904	14
1595	NaAlTiO <sub>2</sub> , A Novel Anode Material for Sodium Ion Battery. <b>2017</b> , 7, 162	15
1594	Induced Rate Performance Enhancement in Off-Stoichiometric Na V (PO <sub>4</sub> ) <sub>3</sub> with Potential Applicability as the Cathode for Sodium-Ion Batteries. <b>2017</b> , 23, 7345-7352	24
1593	Copper-substituted Na <sub>0.67</sub> Ni <sub>0.33</sub> Cu <sub>x</sub> Mn <sub>0.70</sub> O <sub>2</sub> cathode materials for sodium-ion batteries with suppressed P2 <sub>1</sub> /m phase transition. <b>2017</b> , 5, 8752-8761	203
1592	Creative utilization of natural nanocomposites: nitrogen-rich mesoporous carbon for a high-performance sodium ion battery. <b>2017</b> , 5, 9572-9579	57
1591	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

1590	A Practical High-Energy Cathode for Sodium-Ion Batteries Based on Uniform P2-Na CoO Microspheres. <b>2017</b> , 56, 5801-5805	157
1589	Sustainable Potassium-Ion Battery Anodes Derived from Waste-Tire Rubber. <b>2017</b> , 164, A1234-A1238	75
1588	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
1587	Excellent Comprehensive Performance of Na-Based Layered Oxide Benefiting from the Synergetic Contributions of Multimetal Ions. <b>2017</b> , 7, 1700189	69
1586	Binder and carbon-free SbSn-P nanocomposite thin films as anode materials for sodium-ion batteries. <b>2017</b> , 714, 348-355	16
1585	Mechanochemical treatment of maricite-type NaFePO <sub>4</sub> for achieving high electrochemical performance. <b>2017</b> , 21, 2373-2380	12
1584	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
1583	Enhanced storage of sodium ions in Prussian blue cathode material through nickel doping. <b>2017</b> , 5, 9604-9610	66
1582	Atomic-Scale Structure-Property Relationships in Lithium Ion Battery Electrode Materials. <b>2017</b> , 47, 175-198	21
1581	An Initial Review of the Status of Electrode Materials for Potassium-Ion Batteries. <b>2017</b> , 7, 1602911	634
1580	KTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> with Large Ion Diffusion Channel for High-Efficiency Sodium Storage. <b>2017</b> , 7, 1700247	17
1579	Superionic Behavior and Phase Transition in a Vanthoffite Mineral. <b>2017</b> , 56, 6048-6051	7
1578	Additional Sodium Insertion into Polyanionic Cathodes for Higher-Energy Na-Ion Batteries. <b>2017</b> , 7, 1700514	116
1577	Electrochemical characterization of P2-type layered Na <sub>2</sub> /3Ni <sub>1</sub> /4Mn <sub>3</sub> /4O <sub>2</sub> cathode in aqueous hybrid sodium/lithium ion electrolyte. <b>2017</b> , 43, 9960-9967	21
1576	Carbon-wrapped four-component Na <sub>0.44</sub> Ni <sub>0.44</sub> Co oxides via sol-gel process for NIB anode material with superior cycling stability. <b>2017</b> , 47, 855-864	2
1575	Evaluating the Storage Behavior of Superior Low-Cost Anode Material from Biomass for High-Rate Sodium-Ion Batteries. <b>2017</b> , 164, A1431-A1437	16
1574	Two-dimensional MXenes for energy storage and conversion applications. <b>2017</b> , 5, 22-36	75
1573	Crystal chemistry of Mg substitution in NaMnPO olivine: concentration limit and cation distribution. <b>2017</b> , 19, 12730-12739	12

1572	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
1571	Emerging 3D-Printed Electrochemical Energy Storage Devices: A Critical Review. <b>2017</b> , 7, 1700127	212
1570	Chloride Ion Battery Review: Theoretical Calculations, State of the Art, Safety, Toxicity, and an Outlook towards Future Developments. <b>2017</b> , 2017, 2784-2799	31
1569	Facile synthesis of 3D foam-like CoNiO <sub>2</sub> for high-performance sodium ion batteries. <b>2017</b> , 96, 379-384	9
1568	Enhanced sodium-ion storage of nitrogen-rich hard carbon by NaCl intercalation. <b>2017</b> , 122, 680-686	31
1567	Encapsulation of Metallic Na in an Electrically Conductive Host with Porous Channels as a Highly Stable Na Metal Anode. <b>2017</b> , 17, 3792-3797	191
1566	A Practical High-Energy Cathode for Sodium-Ion Batteries Based on Uniform P2-Na <sub>0.7</sub> CoO <sub>2</sub> Microspheres. <b>2017</b> , 129, 5895-5899	22
1565	Effects of Sr substitution for Ba on dielectric and energy-storage properties of SrO-BaO-K <sub>2</sub> O-Nb <sub>2</sub> O <sub>5</sub> -SiO <sub>2</sub> glass-ceramics. <b>2017</b> , 37, 3917-3925	26
1564	Pseudocapacitive titanium oxynitride mesoporous nanowires with iso-oriented nanocrystals for ultrahigh-rate sodium ion hybrid capacitors. <b>2017</b> , 5, 10827-10835	73
1563	HardSoft Composite Carbon as a Long-Cycling and High-Rate Anode for Potassium-Ion Batteries. <b>2017</b> , 27, 1700324	361
1562	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
1561	Research and application progress on key materials for sodium-ion batteries. <b>2017</b> , 1, 986-1006	55
1560	Advanced Cathode Materials for Sodium-Ion Batteries: What Determines Our Choices?. <b>2017</b> , 1, 1700098	146
1559	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
1558	Imidazolium-based Mono and Dicationic Ionic Liquid Sodium Polymer Gel Electrolytes. <b>2017</b> , 241, 517-525	25
1557	Electrochemomechanical degradation of high-capacity battery electrode materials. <b>2017</b> , 89, 479-521	115
1556	Electrospinning synthesis of Co <sub>3</sub> O <sub>4</sub> @C nanofibers as a high-performance anode for sodium ion batteries. <b>2017</b> , 7, 23122-23126	19
1555	Newer polyanionic bio-composite anode for sodium ion batteries. <b>2017</b> , 340, 401-410	6

1554	A two-dimensional hybrid of SbOx nanoplates encapsulated by carbon flakes as a high performance sodium storage anode. <b>2017</b> , 5, 1160-1167	40
1553	Density Functional Theory Research into the Reduction Mechanism for the Solvent/Additive in a Sodium-Ion Battery. <b>2017</b> , 10, 786-796	33
1552	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
1551	Free-standing, binder-free polyacrylonitrile/asphalt derived porous carbon fiber $\square$ A high capacity anode material for sodium-ion batteries. <b>2017</b> , 189, 206-209	15
1550	Metal-organic frameworks derived porous core/shellCoP@C polyhedrons anchored on 3D reduced graphene oxide networks as anode for sodium-ion battery. <b>2017</b> , 32, 117-124	342
1549	Challenges and Perspectives for NASICON-Type Electrode Materials for Advanced Sodium-Ion Batteries. <b>2017</b> , 29, 1700431	346
1548	Sodium-Ion Secondary Batteries Using Ionic Liquids as Electrolytes. <b>2017</b> , 197-208	
1547	In situ formation of ultrafine CoS <sub>2</sub> nanoparticles uniformly encapsulated in N/S-doped carbon polyhedron for advanced sodium-ion batteries. <b>2017</b> , 7, 30699-30706	44
1546	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
1545	Nitrogen-rich hard carbon as a highly durable anode for high-power potassium-ion batteries. <b>2017</b> , 8, 161-168	316
1544	Superior Sodium Storage of Vanadium Pentoxide Cathode with Controllable Interlamellar Spacing. <b>2017</b> , 244, 77-85	26
1543	High-Energy/Power and Low-Temperature Cathode for Sodium-Ion Batteries: In Situ XRD Study and Superior Full-Cell Performance. <b>2017</b> , 29, 1701968	266
1542	Electrochemical properties of BiFeO <sub>3</sub> nanoparticles: Anode material for sodium-ion battery application. <b>2017</b> , 68, 165-171	18
1541	Graphene Decorated by Indium Sulfide Nanoparticles as High-Performance Anode for Sodium-Ion Batteries. <b>2017</b> , 9, 23723-23730	38
1540	Carbon nanofiber-based nanostructures for lithium-ion and sodium-ion batteries. <b>2017</b> , 5, 13882-13906	101
1539	Nanoporous carbon leading to the high performance of a Na <sub>3</sub> V <sub>2</sub> O <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F@carbon/graphene cathode in a sodium ion battery. <b>2017</b> , 19, 4287-4293	19
1538	Advances and Challenges in Metal Sulfides/Selenides for Next-Generation Rechargeable Sodium-Ion Batteries. <b>2017</b> , 29, 1700606	569
1537	Prussian blue and its derivatives as electrode materials for electrochemical energy storage. <b>2017</b> , 9, 11-30	204

1536	Exploring metal organic frameworks for energy storage in batteries and supercapacitors. <b>2017</b> , 20, 191-209	290
1535	Insights into the structural effects of layered cathode materials for high voltage sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1677-1693	35.4 111
1534	Room-Temperature Sodium-Sulfur Batteries: A Comprehensive Review on Research Progress and Cell Chemistry. <b>2017</b> , 7, 1602829	206
1533	CuVS: A High Rate Capacity and Stable Anode Material for Sodium Ion Batteries. <b>2017</b> , 9, 21283-21291	44
1532	Uniformly-distributed Sb nanoparticles in ionic liquid-derived nitrogen-enriched carbon for highly reversible sodium storage. <b>2017</b> , 5, 13411-13420	75
1531	Na intercalation in Fe-MIL-100 for aqueous Na-ion batteries. <b>2017</b> , 7, 24312-24320	10
1530	Porphyrin-graphene oxide frameworks for long life sodium ion batteries. <b>2017</b> , 5, 13204-13211	29
1529	Template-free synthesis of Sb <sub>2</sub> S <sub>3</sub> micro tubes as the anode materials for sodium-ion batteries. <b>2017</b> ,	3
1528	Emerging Non-Aqueous Potassium-Ion Batteries: Challenges and Opportunities. <b>2017</b> , 29, 5031-5042	436
1527	Flexible and Self-Healing Aqueous Supercapacitors for Low Temperature Applications: Polyampholyte Gel Electrolytes with Biochar Electrodes. <b>2017</b> , 7, 1685	77
1526	Controlled synthesis of macroscopic three-dimensional hollow reticulate hard carbon as long-life anode materials for Na-ion batteries. <b>2017</b> , 716, 210-219	36
1525	Cobalt disulfide nanoparticles/graphene/carbon nanotubes aerogels with superior performance for lithium and sodium storage. <b>2017</b> , 505, 23-31	33
1524	A High Capacity, Good Safety and Low Cost NaFeSiO-Based Cathode for Rechargeable Sodium-Ion Battery. <b>2017</b> , 9, 22369-22377	42
1523	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
1522	Ultra-long cycle life of sodium-ion batteries in VS <sub>4</sub> -G nanocomposite structure. <b>2017</b> , 205, 52-55	19
1521	Intercalation of solvated Na-ions into graphite. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1631-1642	35.4 77
1520	Structural and chemical synergistic effect of CoS nanoparticles and porous carbon nanorods for high-performance sodium storage. <b>2017</b> , 35, 281-289	211
1519	Novel Methods for Sodium-Ion Battery Materials. <b>2017</b> , 1, 1600063	70

1518	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
1517	Hybrid phosphorene/graphene nanocomposite as an anode material for Na-ion batteries: a first-principles study. <b>2017</b> , 50, 165501		25
1516	High-capacity sodium ion battery anodes based on CuO nanosheets and carboxymethyl cellulose binder. <b>2017</b> , 32, 598-605		17
1515	Sodium-ion batteries: present and future. <b>2017</b> , 46, 3529-3614		2356
1514	Free-standing Hierarchical Porous Assemblies of Commercial TiO <sub>2</sub> Nanocrystals and Multi-walled Carbon Nanotubes as High-performance Anode Materials for Sodium Ion Batteries. <b>2017</b> , 236, 33-42		26
1513	Adsorption and diffusion of mono, di, and trivalent ions on two-dimensional TiS. <b>2017</b> , 28, 175401		90
1512	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
1511	Ultradispersed nanoarchitecture of SnS nanoparticles/reduced graphene oxide for enhanced sodium storage performance. <b>2017</b> , 498, 153-160		24
1510	Carbon Anode Materials for Advanced Sodium-Ion Batteries. <b>2017</b> , 7, 1602898		649
1509	Efficient sodium storage: Experimental study of anode with additive-free ether-based electrolyte system. <b>2017</b> , 349, 152-162		9
1508	New-type K <sub>0.7</sub> Fe <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> cathode with an expanded and stabilized interlayer structure for high-capacity sodium-ion batteries. <b>2017</b> , 35, 71-78		47
1507	Flexible and robust N-doped carbon nanofiber film encapsulating uniformly silica nanoparticles: Free-standing long-life and low-cost electrodes for Li- and Na-Ion batteries. <b>2017</b> , 235, 79-87		32
1506	Recent progress in layered metal dichalcogenide nanostructures as electrodes for high-performance sodium-ion batteries. <b>2017</b> , 5, 7667-7690		125
1505	Quantifying intermediate-frequency heterogeneities of SOFC electrodes using X-ray computed tomography. <b>2017</b> , 100, 2232-2242		17
1504	Phosphorus nanoparticles combined with cubic boron nitride and graphene as stable sodium-ion battery anodes. <b>2017</b> , 235, 150-157		29
1503	Ultrafine TiO <sub>2</sub> Nanoparticles Confined in N-Doped Porous Carbon Networks as Anodes of High-Performance Sodium-Ion Batteries. <b>2017</b> , 4, 1516-1522		22
1502	Large-scale synthesis of ternary Sn <sub>5</sub> SbP <sub>3</sub> /C composite by ball milling for superior stable sodium-ion battery anode. <b>2017</b> , 235, 107-113		43
1501	High Temperature Carbonized Grass as a High Performance Sodium Ion Battery Anode. <b>2017</b> , 9, 391-397		94

1500	Improved structural stability and electrochemical performance of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode material by Cr doping. <b>2017</b> , 23, 1097-1105	17
1499	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
1498	Improved Surface Stability of C+MO@NaV(PO) Prepared by Ultrasonic Method as Cathode for Sodium-Ion Batteries. <b>2017</b> , 9, 1471-1478	27
1497	Facile synthesis of ultrathin MoS <sub>2</sub> /C nanosheets for use in sodium-ion batteries. <b>2017</b> , 7, 285-289	27
1496	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
1495	Porous carbon spheres as anode materials for sodium - ion batteries with high capacity and long cycling life. <b>2017</b> , 43, 4475-4482	23
1494	Recent progress in rational design of anode materials for high-performance Na-ion batteries. <b>2017</b> , 7, 64-114	180
1493	Three-dimensional graphene frameworks wrapped Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> with reversible topotactic sodium-ion storage. <b>2017</b> , 32, 347-352	44
1492	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
1491	A porous gel-type composite membrane reinforced by nonwoven: promising polymer electrolyte with high performance for sodium ion batteries. <b>2017</b> , 224, 405-411	63
1490	Rechargeable Sodium All-Solid-State Battery. <b>2017</b> , 3, 52-57	240
1489	Recent advances of electrode materials for low-cost sodium-ion batteries towards practical application for grid energy storage. <b>2017</b> , 7, 130-151	351
1488	CuSbS <sub>2</sub> as a negative electrode material for sodium ion batteries. <b>2017</b> , 342, 616-622	30
1487	Nanostructured cathode materials for lithium-sulfur batteries: progress, challenges and perspectives. <b>2017</b> , 5, 3014-3038	147
1486	Na-rich layered Na <sub>2</sub> Ru <sub>0.95</sub> Zr <sub>0.05</sub> O <sub>3</sub> cathode material for Na-ion batteries. <b>2017</b> , 342, 685-689	20
1485	Recent Progress on Spray Pyrolysis for High Performance Electrode Materials in Lithium and Sodium Rechargeable Batteries. <b>2017</b> , 7, 1601578	92
1484	Unveiling the Unique Phase Transformation Behavior and Sodiation Kinetics of 1D van der Waals Sb <sub>2</sub> S <sub>3</sub> Anodes for Sodium Ion Batteries. <b>2017</b> , 7, 1602149	125
1483	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



1482	Zr-doped P2-Na <sub>0.75</sub> Mn <sub>0.55</sub> Ni <sub>0.25</sub> Co <sub>0.05</sub> Fe <sub>0.10</sub> Zr <sub>0.05</sub> O <sub>2</sub> as high-rate performance cathode material for sodium ion batteries. <b>2017</b> , 223, 92-99	65
1481	NiSe Nanooctahedra as an Anode Material for High-Rate and Long-Life Sodium-Ion Battery. <b>2017</b> , 9, 311-316	182
1480	Earth Abundant Fe/Mn-Based Layered Oxide Interconnected Nanowires for Advanced K-Ion Full Batteries. <b>2017</b> , 17, 544-550	297
1479	Achieving superb sodium storage performance on carbon anodes through an ether-derived solid electrolyte interphase. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 370-376	35.4 297
1478	ALD TiO-Coated Flower-like MoS Nanosheets on Carbon Cloth as Sodium Ion Battery Anode with Enhanced Cycling Stability and Rate Capability. <b>2017</b> , 9, 487-495	137
1477	Robust 3D macroporous structures with SnS nanoparticles decorating nitrogen-doped carbon nanosheet networks for high performance sodium-ion batteries. <b>2017</b> , 5, 23460-23470	70
1476	MoS <sub>2</sub> Nanosheets with Conformal Carbon Coating as Stable Anode Materials for Sodium-Ion Batteries. <b>2017</b> , 254, 172-180	44
1475	A new layered titanate Na <sub>2</sub> Li <sub>2</sub> Ti <sub>5</sub> O <sub>12</sub> as a high-performance intercalation anode for sodium-ion batteries. <b>2017</b> , 5, 22208-22215	13
1474	Reinvestigation of Na <sub>2</sub> Fe <sub>2</sub> (C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> ·2H <sub>2</sub> O: An Iron-Based Positive Electrode for Secondary Batteries. <b>2017</b> , 29, 9095-9101	15
1473	Sulfur-doped carbon employing biomass-activated carbon as a carrier with enhanced sodium storage behavior. <b>2017</b> , 5, 24353-24360	42
1472	Self-Healing Chemistry between Organic Material and Binder for Stable Sodium-Ion Batteries. <b>2017</b> , 3, 1050-1062	63
1471	Molecular Dynamics Simulations of Ionic Liquid Based Electrolytes for Na-Ion Batteries: Effects of Force Field. <b>2017</b> , 121, 9957-9968	21
1470	Reduced Graphene Oxide Embedded V <sub>2</sub> O <sub>5</sub> Nanorods and Porous Honey Carbon as High Performance Electrodes for Hybrid Sodium-ion Supercapacitors. <b>2017</b> , 256, 221-231	39
1469	Synergistic effect of cross-linked carbon nanosheet frameworks and Sb on the enhancement of sodium storage performances. <b>2017</b> , 41, 13724-13731	12
1468	Capacitance-enhanced sodium-ion storage in nitrogen-rich hard carbon. <b>2017</b> , 5, 22186-22192	59
1467	Syntheses and Energy Storage Applications of M <sub>x</sub> S <sub>y</sub> (M = Cu, Ag, Au) and Their Composites: Rechargeable Batteries and Supercapacitors. <b>2017</b> , 27, 1703949	126
1466	Designing solid-liquid interphases for sodium batteries. <b>2017</b> , 8, 898	212
1465	Utilizing the full capacity of carbon black as anode for Na-ion batteries via solvent co-intercalation. <b>2017</b> , 10, 4378-4387	36



1464	Theoretical prediction of MXene-like structured TiC as a high capacity electrode material for Na ion batteries. <b>2017</b> , 19, 29106-29113	33
1463	3D hollow porous carbon microspheres derived from Mn-MOFs and their electrochemical behavior for sodium storage. <b>2017</b> , 5, 23550-23558	48
1462	Fast Sodium Storage in TiO <sub>2</sub> @CNT@C Nanorods for High-Performance Na-Ion Capacitors. <b>2017</b> , 7, 1701222	235
1461	Pinecone biomass-derived hard carbon anodes for high-performance sodium-ion batteries. <b>2017</b> , 7, 41504-41518	178
1460	Flexible Electrodes for Sodium-Ion Batteries: Recent Progress and Perspectives. <b>2017</b> , 29, 1703012	126
1459	Rhombic Dodecahedron ZIF-8 Precursor: Designing Porous N-Doped Carbon for Sodium-Ion Batteries. <b>2017</b> , 4, 3244-3249	17
1458	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
1457	Effects of nitrogen doping on the structure and performance of carbon coated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathodes for sodium-ion batteries. <b>2017</b> , 124, 334-341	35
1456	Advanced anode for sodium-ion battery with promising long cycling stability achieved by tuning phosphorus-carbon nanostructures. <b>2017</b> , 40, 550-558	81
1455	Insight into the Electrochemical Sodium Insertion of Vanadium Superstoichiometric NASICON Phosphate. <b>2017</b> , 56, 11845-11853	11
1454	MoS <sub>2</sub> @rGO Nanoflakes as High Performance Anode Materials in Sodium Ion Batteries. <b>2017</b> , 7, 7963	38
1453	A Reduced Graphene Oxide/Disodium Terephthalate Hybrid as a High-Performance Anode for Sodium-Ion Batteries. <b>2017</b> , 23, 16586-16592	10
1452	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
1451	Advanced Nanostructured Anode Materials for Sodium-Ion Batteries. <b>2017</b> , 13, 1701835	149
1450	Structural-Defect-Controlled Electrochemical Performance of Sodium Ion Batteries with NaCrO <sub>2</sub> Cathodes. <b>2017</b> , 4, 3222-3230	11
1449	Cu- and Fe-hexacyanoferrate as cathode materials for Potassium ion battery: A First-principles study. <b>2017</b> , 687, 244-249	12
1448	Electrochemical properties of Na MnFe(CN) <sub>6</sub> ·xH <sub>2</sub> O synthesized in a Taylor-Couette reactor as a Na-ion battery cathode material. <b>2017</b> , 729, 590-596	19
1447	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

1446	In Situ-Formed Hierarchical Metal-Organic Flexible Cathode for High-Energy Sodium-Ion Batteries. <b>2017</b> , 10, 4704-4708	21
1445	Multifunctional SnO <sub>2</sub> /3D graphene hybrid materials for sodium-ion and lithium-ion batteries with excellent rate capability and long cycle life. <b>2017</b> , 10, 4398-4414	56
1444	Sheet-on-sheet chrysanthemum-like C/FeS microspheres synthesized by one-step solvothermal method for high-performance sodium-ion batteries. <b>2017</b> , 364, 208-214	45
1443	Perchlorate ion doped polypyrrole coated ZnS sphere composites as a sodium-ion battery anode with superior rate capability enhanced by pseudocapacitance. <b>2017</b> , 7, 43636-43641	19
1442	One-Pot Synthesis of Antimony-Embedded Silicon Oxycarbide Materials for High-Performance Sodium-Ion Batteries. <b>2017</b> , 27, 1702607	29
1441	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
1440	Insight into microstructural and phase transformations in electrochemical sodiation/desodiation of a bismuth particulate anode. <b>2017</b> , 5, 21536-21541	23
1439	High-Energy-Density Aqueous Magnesium-Ion Battery Based on a Carbon-Coated FeVO Anode and a Mg-OMS-1 Cathode. <b>2017</b> , 23, 17118-17126	55
1438	Tunable Electrochemistry via Controlling Lattice Water in Layered Oxides of Sodium-Ion Batteries. <b>2017</b> , 9, 34909-34914	9
1437	Engineering graphene with red phosphorus quantum dots for superior hybrid anodes of sodium-ion batteries. <b>2017</b> , 9, 14722-14729	34
1436	Functionalized few-layer black phosphorus with super-wettability towards enhanced reaction kinetics for rechargeable batteries. <b>2017</b> , 40, 576-586	75
1435	Potassium-ion intercalation in graphite within a potassium-ion battery examined using in situ X-ray diffraction. <b>2017</b> , 32, S43-S48	26
1434	Alkaline earth metal vanadates as sodium-ion battery anodes. <b>2017</b> , 8, 460	90
1433	An inorganic/organic nanocomposite calix[4]quinone (C4Q)/CMK-3 as a cathode material for high-capacity sodium batteries. <b>2017</b> , 4, 1806-1812	32
1432	Influence of crystal phase on TiO <sub>2</sub> nanowire anodes in sodium ion batteries. <b>2017</b> , 5, 20005-20013	28
1431	Maricite NaFePO <sub>4</sub> /C/graphene: a novel hybrid cathode for sodium-ion batteries. <b>2017</b> , 5, 16616-16621	43
1430	A Postspinel Anode Enabling Sodium-Ion Ultralong Cycling and Superfast Transport via 1D Channels. <b>2017</b> , 7, 1700361	12
1429	Water-in-Salt Electrolyte Makes Aqueous Sodium-Ion Battery Safe, Green, and Long-Lasting. <b>2017</b> , 7, 1701189	335

1428	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
1427	Controlled synthesis of iron sulfide coated by carbon layer to improve lithium and sodium storage. <b>2017</b> , 247, 1080-1087	45
1426	SnS nanoparticles electrostatically anchored on three-dimensional N-doped graphene as an active and durable anode for sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1757-1763	35-4 345
1425	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
1424	Commercial Prospects of Existing Cathode Materials for Sodium Ion Storage. <b>2017</b> , 7, 1700274	83
1423	Application of Synchrotron Radiation Technologies to Electrode Materials for Li- and Na-Ion Batteries. <b>2017</b> , 7, 1700460	32
1422	Recent Progress in the Applications of Vanadium-Based Oxides on Energy Storage: from Low-Dimensional Nanomaterials Synthesis to 3D Micro/Nano-Structures and Free-Standing Electrodes Fabrication. <b>2017</b> , 7, 1700547	117
1421	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
1420	Twisted Perylene Diimides with Tunable Redox Properties for Organic Sodium-Ion Batteries. <b>2017</b> , 7, 1701316	52
1419	Bulk Bismuth as a High-Capacity and Ultralong Cycle-Life Anode for Sodium-Ion Batteries by Coupling with Glyme-Based Electrolytes. <b>2017</b> , 29, 1702212	250
1418	Na-Ion Batteries for Large Scale Applications: A Review on Anode Materials and Solid Electrolyte Interphase Formation. <b>2017</b> , 7, 1700463	192
1417	Chemical Synthesis of 3D Graphene-Like Cages for Sodium-Ion Batteries Applications. <b>2017</b> , 7, 1700797	91
1416	Na-Ion Intercalation and Charge Storage Mechanism in 2D Vanadium Carbide. <b>2017</b> , 7, 1700959	113
1415	Why is sodium-intercalated graphite unstable?. <b>2017</b> , 7, 36550-36554	129
1414	Automated energy management in distributed electricity systems: An EEPOS approach. <b>2017</b> , 14, 1034-1047	5
1413	A High-Voltage Aqueous Electrolyte for Sodium-Ion Batteries. <b>2017</b> , 2, 2005-2006	138
1412	Environmentally stable interface of layered oxide cathodes for sodium-ion batteries. <b>2017</b> , 8, 135	166
1411	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

1410	Cobalt phosphide nanoparticles embedded in nitrogen-doped carbon nanosheets: Promising anode material with high rate capability and long cycle life for sodium-ion batteries. <b>2017</b> , 10, 4337-4350	79
1409	Assembly of Multifunctional NiP/NiS Heterostructures and Their Superstructure for High Lithium and Sodium Anodic Performance. <b>2017</b> , 9, 28549-28557	20
1408	Quinone molecules encapsulated in SWCNTs for low-temperature Na ion batteries. <b>2017</b> , 28, 355401	16
1407	Flower-like MoSe /C Composite with Expanded (0 0 2) Planes of Few-layer MoSe as the Anode for High-Performance Sodium-Ion Batteries. <b>2017</b> , 23, 14004-14010	62
1406	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
1405	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
1404	Development of novel inorganic electrolytes for room temperature rechargeable sodium metal batteries. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1936-1941	35.4 44
1403	In Situ TEM Investigation of ZnO Nanowires during Sodiation and Lithiation Cycling. <b>2017</b> , 1, 1700202	35
1402	Porous Al Current Collector for Dendrite-Free Na Metal Anodes. <b>2017</b> , 17, 5862-5868	179
1401	Aerosol synthesis of trivalent titanium doped titania/carbon composite microspheres with superior sodium storage performance. <b>2017</b> , 10, 4351-4359	38
1400	Preparation of S/N-codoped carbon nanosheets with tunable interlayer distance for high-rate sodium-ion batteries. <b>2017</b> , 19, 4622-4632	65
1399	Layered SnS sodium ion battery anodes synthesized near room temperature. <b>2017</b> , 10, 4368-4377	50
1398	Novel Amorphous MoS <sub>2</sub> /MoO <sub>3</sub> /Nitrogen-Doped Carbon Composite with Excellent Electrochemical Performance for Lithium Ion Batteries and Sodium Ion Batteries. <b>2017</b> , 5, 8025-8034	53
1397	Neutron vibrational spectroscopic studies of novel tire-derived carbon materials. <b>2017</b> , 19, 22256-22262	6
1396	Lychee-like FeS <sub>2</sub> @FeSe <sub>2</sub> core-shell microspheres anode in sodium ion batteries for large capacity and ultralong cycle life. <b>2017</b> , 5, 19195-19202	120
1395	High performance red phosphorus electrode in ionic liquid-based electrolyte for Na-ion batteries. <b>2017</b> , 363, 404-412	41
1394	2D sandwich-like nanosheets of ultrafine Sb nanoparticles anchored to graphene for high-efficiency sodium storage. <b>2017</b> , 10, 4360-4367	26
1393	A strongly coupled CoS <sub>2</sub> / reduced graphene oxide nanostructure as an anode material for efficient sodium-ion batteries. <b>2017</b> , 726, 394-402	37

1392	From lithium-ion to sodium-ion battery. <b>2017</b> , 66, 1329-1335	12
1391	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
1390	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
1389	An All-Phosphate and Zero-Strain Sodium-Ion Battery Based on NaV(PO) Cathode, NaTi(PO) Anode, and Trimethyl Phosphate Electrolyte with Intrinsic Safety and Long Lifespan. <b>2017</b> , 9, 43733-43738	31
1388	Modification of Transition-Metal Redox by Interstitial Water in Hexacyanometalate Electrodes for Sodium-Ion Batteries. <b>2017</b> , 139, 18358-18364	65
1387	Free-standing vanadium pentoxide nanoribbon film as a high-performance cathode for rechargeable sodium batteries. <b>2017</b> , 28, 2251-2253	12
1386	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
1385	Engineering SnS <sub>2</sub> nanosheet assemblies for enhanced electrochemical lithium and sodium ion storage. <b>2017</b> , 5, 25618-25624	60
1384	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
1383	In Situ Monitoring of Structural and Valence Evolution during Electrochemical Desodiation/Sodiation Process of Na <sub>2</sub> Fe <sub>0.5</sub> Mn <sub>0.5</sub> PO <sub>4</sub> F. <b>2017</b> , 164, A3487-A3492	8
1382	Water effect on sodium mobility in zinc hexacyanoferrate during charge/discharge processes in sodium ion-based battery. <b>2017</b> , 312, 67-72	15
1381	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
1380	Investigation of chloride ion adsorption onto Ti <sub>2</sub> C MXene monolayers by first-principles calculations. <b>2017</b> , 5, 24720-24727	40
1379	Coupled flower-like BiS and graphene aerogels for superior sodium storage performance. <b>2017</b> , 9, 17694-17698	6
1378	Structural-electrochemical relations in the aqueous copper hexacyanoferrate-zinc system examined by synchrotron X-ray diffraction. <b>2017</b> , 369, 146-153	54
1377	Controllable Interlayer Spacing of Sulfur-Doped Graphitic Carbon Nanosheets for Fast Sodium-Ion Batteries. <b>2017</b> , 13, 1700762	112
1376	Alloy-Based Anode Materials toward Advanced Sodium-Ion Batteries. <b>2017</b> , 29, 1700622	461
1375	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

1374	Crystal structure determination of a new sodium vanadium bronze electrochemically formed. <b>2017</b> , 254, 62-68	12
1373	Prawn Shell Derived Chitin Nanofiber Membranes as Advanced Sustainable Separators for Li/Na-Ion Batteries. <b>2017</b> , 17, 4894-4901	58
1372	Graphene-Roll-Wrapped Prussian Blue Nanospheres as a High-Performance Binder-Free Cathode for Sodium-Ion Batteries. <b>2017</b> , 9, 25317-25322	50
1371	A titanium-based metal-organic framework as an ultralong cycle-life anode for PIBs. <b>2017</b> , 53, 8360-8363	77
1370	Poly(vinyl chloride) Ionic Liquid Polymer Electrolyte Based on Bis(fluorosulfonyl)Amide for Sodium Secondary Batteries. <b>2017</b> , 164, H5031-H5035	11
1369	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
1368	First-Principles Study of Sodium Intercalation in Crystalline Na Si (0 & 4) as Anode Material for Na-ion Batteries. <b>2017</b> , 7, 5350	23
1367	Modification of lithium titanate spinel by d-electron metals. <b>2017</b> , 14, 02042	
1366	A novel border-rich Prussian blue synthesized by inhibitor control as cathode for sodium ion batteries. <b>2017</b> , 39, 273-283	133
1365	One-step hydrothermal synthesis and electrochemical performance of sodium-manganese-iron phosphate as cathode material for Li-ion batteries. <b>2017</b> , 253, 389-397	14
1364	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
1363	NaFB <sub>2</sub> nanocomposite: New type of Na-ion battery cathode material. <b>2017</b> , 10, 4388-4397	11
1362	Electrospun hollow nanofibers for advanced secondary batteries. <b>2017</b> , 39, 111-139	147
1361	Sodium vanadium titanium phosphate electrode for symmetric sodium-ion batteries with high power and long lifespan. <b>2017</b> , 8, 15888	136
1360	A supercritical methanol route for the synthesis of sodium iron oxide submicron plates for use as a cathode material for sodium-ion batteries. <b>2017</b> , 206, 100-104	4
1359	Observing Framework Expansion of Ordered Mesoporous Hard Carbon Anodes with Ionic Liquid Electrolytes via in Situ Small-Angle Neutron Scattering. <b>2017</b> , 2, 1698-1704	14
1358	Synthesis of phosphorus-doped soft carbon as anode materials for lithium and sodium ion batteries. <b>2017</b> , 91, 1152-1155	8
1357	Nitrogen Doped/Carbon Tuning Yolk-Like TiO <sub>2</sub> and Its Remarkable Impact on Sodium Storage Performances. <b>2017</b> , 7, 1600173	138

1356	The Application of Metal Sulfides in Sodium Ion Batteries. <b>2017</b> , 7, 1601329	395
1355	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
1354	A Dual-Carbon Phase-Modified and Nanostructured Nickel Sulfide Anode for Sodium-Ion Batteries. <b>2017</b> , 5, 580-587	5
1353	Zinc naphthalenedicarboxylate coordination complex: A promising anode material for lithium and sodium-ion batteries with good cycling stability. <b>2017</b> , 488, 277-281	12
1352	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
1351	Hierarchical Ru-doped sodium vanadium fluorophosphates hollow microspheres as a cathode of enhanced superior rate capability and ultralong stability for sodium-ion batteries. <b>2017</b> , 31, 64-73	52
1350	Surfactant-Free Aqueous Synthesis of Pure Single-Crystalline SnSe Nanosheet Clusters as Anode for High Energy- and Power-Density Sodium-Ion Batteries. <b>2017</b> , 29, 1602469	192
1349	Long life anode material sodium titanate synthesized by a moderate method. <b>2017</b> , 186, 326-329	3
1348	An Iodine Quantum Dots Based Rechargeable Sodium/Iodine Battery. <b>2017</b> , 7, 1601885	80
1347	Core shell MoS <sub>2</sub> /C nanospheres embedded in foam-like carbon sheets composite with an interconnected macroporous structure as stable and high-capacity anodes for sodium ion batteries. <b>2017</b> , 309, 417-425	79
1346	Nitrogen and sulfur co-doped hollow carbon nanofibers decorated with sulfur doped anatase TiO <sub>2</sub> with superior sodium and lithium storage properties. <b>2017</b> , 695, 1743-1752	20
1345	Nitrogen-rich porous carbon anode with high performance for sodium ion batteries. <b>2017</b> , 24, 189-192	6
1344	Polynanocrystalline Graphite: A New Carbon Anode with Superior Cycling Performance for K-Ion Batteries. <b>2017</b> , 9, 4343-4351	168
1343	Silver-Containing MnO Nanorods: Electrochemistry in Na-Based Battery Systems. <b>2017</b> , 9, 4333-4342	32
1342	Data-Driven First-Principles Methods for the Study and Design of Alkali Superionic Conductors. <b>2017</b> , 29, 281-288	120
1341	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
1340	Rape seed shuck derived-lamellar hard carbon as anodes for sodium-ion batteries. <b>2017</b> , 695, 632-637	55
1339	Hybrid materials of graphene anchored with CoFe <sub>2</sub> O <sub>4</sub> for the anode in sodium-ion batteries. <b>2017</b> , 52, 3124-3132	15



1338	Layered host-guest long-afterglow ultrathin nanosheets: high-efficiency phosphorescence energy transfer at 2D confined interface. <b>2017</b> , 8, 590-599	151
1337	Ultrathin Surface Coating Enables the Stable Sodium Metal Anode. <b>2017</b> , 7, 1601526	238
1336	N, S co-doped porous carbon nanospheres with a high cycling stability for sodium ion batteries. <b>2017</b> , 32, 517-526	21
1335	C/Sn/RGO Nanocomposites as Higher Initial Coulombic Efficiency Anode for Sodium-Ion Batteries. <b>2017</b> , 2, 11739-11746	11
1334	Revisiting Mg/Mg <sub>2</sub> Ni System from Electronic Perspective. <b>2017</b> , 7, 489	3
1333	Physicochemical Properties of Diacetylenic Light Fuel Oil from Congolese Oleaginous Plant Ongokea gore (Hua) Pierre. <b>2017</b> , 2017, 1-6	1
1332	A Novel Open-Framework Cu-Ge-Based Chalcogenide Anode Material for Sodium-Ion Battery. <b>2017</b> , 2017, 3876525	5
1331	Hard Carbons Prepared by Pyrolyzing Date's Pits for Sodium Ion Batteries. <b>2017</b> ,	
1330	Method of Electric Energy Alternative Potential Analysis Based on Particle Swarm Optimization Support Vector Machine. <b>2017</b> ,	
1329	Graphite as Cointercalation Electrode for Sodium-Ion Batteries: Electrode Dynamics and the Missing Solid Electrolyte Interphase (SEI). <b>2018</b> , 8, 1702724	135
1328	Polypyrenes as High-Performance Cathode Materials for Aluminum Batteries. <b>2018</b> , 30, e1705644	122
1327	VSC-doping and VSU-doping of Na <sub>3</sub> V <sub>2-x</sub> Ti <sub>x</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> compounds for sodium ion battery cathodes: Analysis of electrochemical performance and kinetic properties. <b>2018</b> , 47, 340-352	74
1326	Unusual Na Ion Intercalation/Deintercalation in Metal-Rich CuS for Na-Ion Batteries. <b>2018</b> , 12, 2827-2837	103
1325	Hierarchical MoS <sub>2</sub> /Carbon microspheres as long-life and high-rate anodes for sodium-ion batteries. <b>2018</b> , 6, 5668-5677	100
1324	Graphene hybridization for energy storage applications. <b>2018</b> , 47, 3189-3216	232
1323	Iron migration and oxygen oxidation during sodium extraction from NaFeO <sub>2</sub> . <b>2018</b> , 47, 519-526	68
1322	Three-dimensional carbon network confined antimony nanoparticle anodes for high-capacity K-ion batteries. <b>2018</b> , 10, 6820-6826	89
1321	2D Black Phosphorus: from Preparation to Applications for Electrochemical Energy Storage. <b>2018</b> , 5, 1700491	109



1320	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
1319	High-energy green supercapacitor driven by ionic liquid electrolytes as an ultra-high stable next-generation energy storage device. <b>2018</b> , 383, 102-109	84
1318	Operando SAXS/WAXS on the a-P/C as the Anode for Na-Ion Batteries. <b>2018</b> , 122, 5917-5923	5
1317	A stable layered P3/P2 and spinel intergrowth nanocomposite as a long-life and high-rate cathode for sodium-ion batteries. <b>2018</b> , 10, 6671-6677	49
1316	New Insights into the Roles of Mg in Improving the Rate Capability and Cycling Stability of O3-NaMnNiFeMgO for Sodium-Ion Batteries. <b>2018</b> , 10, 10819-10827	79
1315	Rational design of three-dimensional graphene encapsulated core-shell FeS@carbon nanocomposite as a flexible high-performance anode for sodium-ion batteries. <b>2018</b> , 6, 6414-6421	88
1314	Rubber-based carbon electrode materials derived from dumped tires for efficient sodium-ion storage. <b>2018</b> , 47, 4885-4892	6
1313	Porous Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> prepared by freeze-drying method as high performance cathode for sodium-ion batteries. <b>2018</b> , 44, 9880-9886	15
1312	An Electrospun Nanofiber Membrane as Gel-Based Electrolyte for Room-Temperature Sodium Sulfur Batteries. <b>2018</b> , 6, 1214-1219	12
1311	Different Effects of Al Substitution for Mn or Fe on the Structure and Electrochemical Properties of NaMnFeO as a Sodium Ion Battery Cathode Material. <b>2018</b> , 57, 5249-5257	55
1310	3D Graphene Network Encapsulating Mesoporous ZnS Nanospheres as High-Performance Anode Material in Sodium-Ion Batteries. <b>2018</b> , 5, 1552-1558	17
1309	A high rate capability and long lifespan symmetric sodium-ion battery system based on a bipolar material Na <sub>2</sub> LiV <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C. <b>2018</b> , 6, 9962-9970	29
1308	An Integrated Free-Standing Flexible Electrode with Holey-Structured 2D Bimetallic Phosphide Nanosheets for Sodium-Ion Batteries. <b>2018</b> , 28, 1801016	47
1307	Controlled construction of 3D self-assembled VS <sub>4</sub> nanoarchitectures as high-performance anodes for sodium-ion batteries. <b>2018</b> , 274, 334-342	33
1306	Remarkable Enhancement in Sodium-Ion Kinetics of NaFe <sub>2</sub> (CN) <sub>6</sub> by Chemical Bonding with Graphene. <b>2018</b> , 2, 1700346	27
1305	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
1304	3D CNT decorated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C microsphere with outstanding sodium storage performance for Na-ion batteries. <b>2018</b> , 317, 229-233	10
1303	The State and Challenges of Anode Materials Based on Conversion Reactions for Sodium Storage. <b>2018</b> , 14, e1703671	83

1302	Formation Dynamics of Potassium-Based Graphite Intercalation Compounds: An Ab Initio Study. <b>2018</b> , 9,	2
1301	Research progress on vanadium-based cathode materials for sodium ion batteries. <b>2018</b> , 6, 8815-8838	121
1300	Fluoroethylene Carbonate-Based Electrolyte with 1 M Sodium Bis(fluorosulfonyl)imide Enables High-Performance Sodium Metal Electrodes. <b>2018</b> , 10, 15270-15280	85
1299	Hierarchical assembly and superior sodium storage properties of a sea-sponge structured C/SnS@C nanocomposite. <b>2018</b> , 6, 7631-7638	31
1298	Stabilizing a High-Energy-Density Rechargeable Sodium Battery with a Solid Electrolyte. <b>2018</b> , 4, 833-844	144
1297	Gradient substitution: an intrinsic strategy towards high performance sodium storage in Prussian blue-based cathodes. <b>2018</b> , 6, 8947-8954	39
1296	A General Metal-Organic Framework (MOF)-Derived Selenidation Strategy for In Situ Carbon-Encapsulated Metal Selenides as High-Rate Anodes for Na-Ion Batteries. <b>2018</b> , 28, 1707573	239
1295	Diffusion mechanism in the sodium-ion battery material sodium cobaltate. <b>2018</b> , 8, 3210	23
1294	Advanced Characterization Techniques for Sodium-Ion Battery Studies. <b>2018</b> , 8, 1702588	88
1293	Solid-State Sodium Batteries. <b>2018</b> , 8, 1703012	275
1292	Sodium-Ion Battery Electrolytes: Modeling and Simulations. <b>2018</b> , 8, 1703036	63
1291	Hierarchically carbon-coated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanoflakes for high-rate capability and ultralong cycle-life sodium ion batteries. <b>2018</b> , 339, 162-169	46
1290	High-rate and ultra-stable Na-ion storage for Ni <sub>3</sub> S <sub>2</sub> nanoarrays via self-adaptive pseudocapacitance. <b>2018</b> , 265, 709-716	63
1289	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
1288	Improving the Performance of Layered Oxide Cathode Materials with Football-Like Hierarchical Structure for Na-Ion Batteries by Incorporating Mg into Vacancies in Na-Ion Layers. <b>2018</b> , 11, 1223-1231	25
1287	Tailoring Highly N-Doped Carbon Materials from Hexamine-Based MOFs: Superior Performance and New Insight into the Roles of N Configurations in Na-Ion Storage. <b>2018</b> , 14, e1703548	62
1286	Electrochemical investigations of Na <sub>0.7</sub> CoO <sub>2</sub> cathode with PEO-NaTFSI-BMIMTFSI electrolyte as promising material for Na-rechargeable battery. <b>2018</b> , 22, 1909-1919	28
1285	Engraving Electrolyte and Ion-Transport Tunnels in a Holey Carbon Nanosheet Array for Fast Sodium Ion Storage. <b>2018</b> , 4, 379-386	6

1284	Heterostructured BiS-BiO Nanosheets with a Built-In Electric Field for Improved Sodium Storage. <b>2018</b> , 10, 7201-7207	109
1283	The effect of different organic solvents on sodium ion storage in carbon nanopores. <b>2018</b> , 20, 6307-6315	14
1282	A mesoporous antimony-based nanocomposite for advanced sodium ion batteries. <b>2018</b> , 13, 247-256	53
1281	Cation-mixing stabilized layered oxide cathodes for sodium-ion batteries. <b>2018</b> , 63, 376-384	50
1280	Density functional theory calculations for evaluation of phosphorene as a potential anode material for magnesium batteries.. <b>2018</b> , 8, 7196-7204	47
1279	Beyond Insertion for Na-Ion Batteries: Nanostructured Alloying and Conversion Anode Materials. <b>2018</b> , 8, 1702582	173
1278	Prussian Blue Cathode Materials for Sodium-Ion Batteries and Other Ion Batteries. <b>2018</b> , 8, 1702619	299
1277	Conversion-Based Cathode Materials for Rechargeable Sodium Batteries. <b>2018</b> , 8, 1702646	50
1276	Reversible Redox Chemistry of Azo Compounds for Sodium-Ion Batteries. <b>2018</b> , 57, 2879-2883	106
1275	Reversible Redox Chemistry of Azo Compounds for Sodium-Ion Batteries. <b>2018</b> , 130, 2929-2933	25
1274	Flowerlike Sb <sub>2</sub> S <sub>3</sub> /PPy Microspheres Used as Anode Material for High-Performance Sodium-Ion Batteries. <b>2018</b> , 2018, 1224-1228	18
1273	3D Flexible Carbon Felt Host for Highly Stable Sodium Metal Anodes. <b>2018</b> , 8, 1702764	207
1272	Ionic liquids and derived materials for lithium and sodium batteries. <b>2018</b> , 47, 2020-2064	297
1271	The Interplay of Oxygen Functional Groups and Folded Texture in Densified Graphene Electrodes for Compact Sodium-Ion Capacitors. <b>2018</b> , 8, 1702395	55
1270	Silicon oxycarbide produced from silicone oil for high-performance anode material in sodium ion batteries. <b>2018</b> , 338, 126-136	42
1269	Wearable energy sources based on 2D materials. <b>2018</b> , 47, 3152-3188	158
1268	Porous Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene for Ultrahigh-Rate Sodium-Ion Storage with Long Cycle Life. <b>2018</b> , 1, 505-511	88
1267	A simple synthesis of nanoporous Sb/C with high Sb content and dispersity as an advanced anode for sodium ion batteries. <b>2018</b> , 6, 5555-5559	37

1266	Challenges in Developing Electrodes, Electrolytes, and Diagnostics Tools to Understand and Advance Sodium-Ion Batteries. <b>2018</b> , 8, 1702403	164
1265	Elucidation of the Sodium-Storage Mechanism in Hard Carbons. <b>2018</b> , 8, 1703217	138
1264	Boosting the Potassium Storage Performance of Alloy-Based Anode Materials via Electrolyte Salt Chemistry. <b>2018</b> , 8, 1703288	304
1263	Carbon and Carbon Hybrid Materials as Anodes for Sodium-Ion Batteries. <b>2018</b> , 13, 1248-1265	28
1262	A high voltage cathode of $\text{Na}_2+2x\text{Fe}_2\text{O}_3(\text{SO}_4)_3$ intensively protected by nitrogen-doped graphene with improved electrochemical performance of sodium storage. <b>2018</b> , 6, 4354-4364	30
1261	High-performance aqueous rechargeable sulfate- and sodium-ion battery based on polypyrrole-MWCNT core-shell nanowires and $\text{Na}_0.44\text{MnO}_2$ nanorods. <b>2018</b> , 446, 131-138	12
1260	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
1259	Moving to Aqueous Binder: A Valid Approach to Achieving High-Rate Capability and Long-Term Durability for Sodium-Ion Battery. <b>2018</b> , 5, 1700768	55
1258	Understanding Fundamentals and Reaction Mechanisms of Electrode Materials for Na-Ion Batteries. <b>2018</b> , 14, e1703338	69
1257	Readiness Level of Sodium-Ion Battery Technology: A Materials Review. <b>2018</b> , 2, 1700153	103
1256	Self-standing Na-storage anode of $\text{Fe}_2\text{O}_3$ nanodots encapsulated in porous N-doped carbon nanofibers with ultra-high cyclic stability. <b>2018</b> , 11, 4026-4037	35
1255	Graphene-like Carbon Nitride Monolayer: A Potential Anode Material for Na- and K-Ion Batteries. <b>2018</b> , 122, 2481-2489	99
1254	Synthesis of Iron Phosphate and Their Composites for Lithium/Sodium Ion Batteries. <b>2018</b> , 2, 1700154	12
1253	Two-dimensional nanostructures for sodium-ion battery anodes. <b>2018</b> , 6, 3284-3303	169
1252	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
1251	Dual Anion Interconversion Reversible Insertion in a Bipyridinium Diamide Triad as the Negative Electrode for Aqueous Batteries. <b>2018</b> , 8, 1701988	33
1250	$\text{MoS}_2$ /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
1249	High Crystalline Prussian White Nanocubes as a Promising Cathode for Sodium-ion Batteries. <b>2018</b> , 13, 342-349	37

1248	A porous biomass-derived anode for high-performance sodium-ion batteries. <b>2018</b> , 129, 695-701	102
1247	Co <sub>2</sub> P nanoparticles encapsulated in 3D porous N-doped carbon nanosheet networks as an anode for high-performance sodium-ion batteries. <b>2018</b> , 6, 2139-2147	77
1246	Improving cycle stability of SnS anode for sodium-ion batteries by limiting Sn agglomeration. <b>2018</b> , 377, 1-6	46
1245	Modulating the Electrochemical Performances of Layered Cathode Materials for Sodium Ion Batteries through Tuning Coulombic Repulsion between Negatively Charged TMO Slabs. <b>2018</b> , 10, 1707-1718	23
1244	Spontaneous Growth of 3D Framework Carbon from Sodium Citrate for High Energy- and Power-Density and Long-Life Sodium-Ion Hybrid Capacitors. <b>2018</b> , 8, 1702409	170
1243	Ball-in-ball hierarchical design of P2-type layered oxide as high performance Na-ion battery cathodes. <b>2018</b> , 265, 284-291	11
1242	Influence of the manganese and cobalt content on the electrochemical performance of P2-NaMnCoO cathodes for sodium-ion batteries. <b>2018</b> , 47, 1223-1232	24
1241	Towards high-performance dual-graphite batteries using highly concentrated organic electrolytes. <b>2018</b> , 260, 514-525	94
1240	Reticular VO <sub>1.6</sub> H <sub>0.6</sub> O Xerogel as Cathode for Rechargeable Potassium Ion Batteries. <b>2018</b> , 10, 642-650	52
1239	Electrochemical performance and structure of Al <sub>2</sub> W <sub>3</sub> MoxO <sub>12</sub> . <b>2018</b> , 20, 1352-1360	12
1238	Vacancy-Controlled Na Superion Conduction in Na Sn PS. <b>2018</b> , 57, 1351-1355	103
1237	Recent Progress in Porous Graphene and Reduced Graphene Oxide-Based Nanomaterials for Electrochemical Energy Storage Devices. <b>2018</b> , 5, 1701212	68
1236	High Rate Capability and Enhanced Cyclability of Na V (PO) <sub>4</sub> F Cathode by In Situ Coating of Carbon Nanofibers for Sodium-Ion Battery Applications. <b>2018</b> , 24, 2913-2919	24
1235	Optimized hard carbon derived from starch for rechargeable seawater batteries. <b>2018</b> , 129, 564-571	36
1234	Sodium storage mechanisms of bismuth in sodium ion batteries: An operando X-ray diffraction study. <b>2018</b> , 379, 1-9	41
1233	Enhanced Rate Capability and Cycle Performance of Titanium-Substituted P2-Type NaFeMnO as a Cathode for Sodium-Ion Batteries. <b>2018</b> , 3, 361-368	46
1232	High energy density rechargeable metal-free seawater batteries: a phosphorus/carbon composite as a promising anode material. <b>2018</b> , 6, 3046-3054	30
1231	Ionic Liquid-Assisted Preparation of Sb <sub>2</sub> S <sub>3</sub> /Reduced Graphene Oxide Nanocomposite for Sodium-Ion Batteries. <b>2018</b> , 5, 1701481	27

1230	Tin-Assisted Sb <sub>2</sub> S <sub>3</sub> Nanoparticles Uniformly Grafted on Graphene Effectively Improves Sodium-Ion Storage Performance. <b>2018</b> , 5, 811-816	28
1229	Facile synthesis of three-dimensional porous carbon networks for highly stable sodium storage. <b>2018</b> , 24, 3065-3073	3
1228	A Dual-Insertion Type Sodium-Ion Full Cell Based on High-Quality Ternary-Metal Prussian Blue Analogs. <b>2018</b> , 8, 1702856	98
1227	Advancement of technology towards developing Na-ion batteries. <b>2018</b> , 378, 268-300	101
1226	Significantly enhanced dielectric and energy storage performance of blend polymer-based composites containing inorganic 3D network. <b>2018</b> , 142, 106-113	17
1225	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
1224	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
1223	Carbon embedded SnSb composite tailored by carbothermal reduction process as high performance anode for sodium-ion batteries. <b>2018</b> , 60, 451-457	15
1222	The S-functionalized TiC Mxene as a high capacity electrode material for Na-ion batteries: a DFT study. <b>2018</b> , 10, 3385-3392	89
1221	Surface transformation by a cocktail solvent enables stable cathode materials for sodium ion batteries. <b>2018</b> , 6, 2758-2766	17
1220	Vacuum Calcination Induced Conversion of Selenium/Carbon Wires to Tubes for High-Performance Sodium Selenide Batteries. <b>2018</b> , 28, 1706609	54
1219	Recent Progress in Iron-Based Electrode Materials for Grid-Scale Sodium-Ion Batteries. <b>2018</b> , 14, 1703116	118
1218	Flexible ReS <sub>2</sub> nanosheets/N-doped carbon nanofibers-based paper as a universal anode for alkali (Li, Na, K) ion battery. <b>2018</b> , 45, 346-352	234
1217	Engineering capacitive contribution in nitrogen-doped carbon nanofiber films enabling high performance sodium storage. <b>2018</b> , 130, 145-152	48
1216	High capacity hard carbon derived from lotus stem as anode for sodium ion batteries. <b>2018</b> , 378, 331-337	104
1215	Structure modulation and performance optimization of P2-Na <sub>0.7</sub> Mn <sub>0.75</sub> Fe <sub>0.25-x-y</sub> Ni <sub>x</sub> Co <sub>y</sub> O <sub>2</sub> through a synergistic substitution of Ni and Co for Fe. <b>2018</b> , 277, 88-99	23
1214	P2-type Na <sub>0.67</sub> Fe <sub>0.3</sub> Mn <sub>0.3</sub> Co <sub>0.4</sub> O <sub>2</sub> cathodes for high-performance sodium-ion batteries. <b>2018</b> , 322, 18-23	22
1213	Synthesis of Grain-like MoS <sub>2</sub> for High-Performance Sodium-Ion Batteries. <b>2018</b> , 11, 2130-2137	30

1212	Superior initial coulombic efficiency through graphene quantum dot decorated on MoS <sub>2</sub> . <b>2018</b> , 9, 8-14	7
1211	Self-assembled Mn-doped MoS <sub>2</sub> hollow nanotubes with significantly enhanced sodium storage for high-performance sodium-ion batteries. <b>2018</b> , 5, 1587-1593	29
1210	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
1209	Three-dimensional carbon framework anode improves sodiation-desodiation properties in ionic liquid electrolyte. <b>2018</b> , 49, 515-522	17
1208	High-Performance Aqueous Sodium-Ion Batteries with Hydrogel Electrolyte and Alloxazine/CMK-3 Anode. <b>2018</b> , 6, 7761-7768	29
1207	Emerging applications of spark plasma sintering in all solid-state lithium-ion batteries and beyond. <b>2018</b> , 391, 10-25	19
1206	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
1205	Internal structure [Na storage mechanisms [Electrochemical performance relations in carbons. <b>2018</b> , 97, 170-203	72
1204	Towards high performance cathodes for Na-ion batteries. <b>2018</b> , 63, 529-530	2
1203	Magnetism of NaFePO and related polyanionic compounds. <b>2018</b> , 20, 13497-13507	6
1202	Assessment of the Electrochemical Stability of Carbonate-Based Electrolytes in Na-Ion Batteries. <b>2018</b> , 165, A1222-A1230	35
1201	A Universal Organic Cathode for Ultrafast Lithium and Multivalent Metal Batteries. <b>2018</b> , 130, 7264-7268	42
1200	A Universal Organic Cathode for Ultrafast Lithium and Multivalent Metal Batteries. <b>2018</b> , 57, 7146-7150	114
1199	Stanene nanomeshes as anode materials for Na-ion batteries. <b>2018</b> , 6, 7933-7941	57
1198	Tunable pseudocapacitance storage of MXene by cation pillaring for high performance sodium-ion capacitors. <b>2018</b> , 6, 7794-7806	121
1197	Vertically Oriented MoS <sub>2</sub> with Spatially Controlled Geometry on Nitrogenous Graphene Sheets for High-Performance Sodium-Ion Batteries. <b>2018</b> , 8, 1703300	116
1196	Multi-electron reaction materials for sodium-based batteries. <b>2018</b> , 21, 960-973	77
1195	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

1194	A Dealloying Synthetic Strategy for Nanoporous Bismuth-Antimony Anodes for Sodium Ion Batteries. <b>2018</b> , 12, 3568-3577	115
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1192	Thermal Expansion in Layered Na MO. <b>2018</b> , 8, 3988	8
1191	Sodium-Ion Batteries (a Review). <b>2018</b> , 54, 113-152	57
1190	Low-Defect and Low-Porosity Hard Carbon with High Coulombic Efficiency and High Capacity for Practical Sodium Ion Battery Anode. <b>2018</b> , 8, 1703238	262
1189	3D nanocomposite architecture constructed by reduced graphene oxide, thermally-treated protein and mesoporous NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanocrystals as free-standing electrodes for advanced sodium ion battery. <b>2018</b> , 29, 9258-9267	7
1188	Intercalation of Bi nanoparticles into graphite results in an ultra-fast and ultra-stable anode material for sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 1218-1225	35.4 154
1187	Porous carbon-free SnSb anodes for high-performance Na-ion batteries. <b>2018</b> , 386, 34-39	28
1186	The electrochemical Na intercalation/extraction mechanism of ultrathin cobalt(II) terephthalate-based MOF nanosheets revealed by synchrotron X-ray absorption spectroscopy. <b>2018</b> , 14, 82-89	28
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1184	MoS <sub>2</sub> nanobelts with (002) plane edges-enriched flat surfaces for high-rate sodium and lithium storage. <b>2018</b> , 15, 65-74	71
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1181	The different Li/Na ion storage mechanisms of nano Sb <sub>2</sub> O <sub>3</sub> anchored on graphene. <b>2018</b> , 385, 114-121	30
1180	SnS <sub>2</sub> nanoparticles anchored on three-dimensional reduced graphene oxide as a durable anode for sodium ion batteries. <b>2018</b> , 339, 78-84	44
1179	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
1178	Advanced Na metal anodes. <b>2018</b> , 27, 1584-1596	67
1177	The Scale-up and Commercialization of Nonaqueous Na-Ion Battery Technologies. <b>2018</b> , 8, 1702869	131



1176	Computational Studies of Electrode Materials in Sodium-Ion Batteries. <b>2018</b> , 8, 1702998	87
1175	Progress in Aqueous Rechargeable Sodium-Ion Batteries. <b>2018</b> , 8, 1703008	188
1174	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
1173	High-performance anode materials for Na-ion batteries. <b>2018</b> , 37, 167-180	40
1172	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
1171	New Insights into the Interphase between the Na Metal Anode and Sulfide Solid-State Electrolytes: A Joint Experimental and Computational Study. <b>2018</b> , 10, 10076-10086	62
1170	Recent Developments in Oxide-Based Ionic Conductors: Bulk Materials, Nanoionics, and Their Memory Applications. <b>2018</b> , 43, 47-82	14
1169	Von Lithium- zu Natriumionenbatterien: Vorteile, Herausforderungen und Berraschendes. <b>2018</b> , 130, 106-126	93
1168	From Lithium-Ion to Sodium-Ion Batteries: Advantages, Challenges, and Surprises. <b>2018</b> , 57, 102-120	953
1167	High Na-ion conducting $\text{Na}_{1+x}[\text{Sn}_x\text{Ge}_{2-x}(\text{PO}_4)_3]$ glass-ceramic electrolytes: Structural and electrochemical impedance studies. <b>2018</b> , 101, 167-177	14
1166	Synthesis of $\text{Na Mn}_{0.54}\text{Ni}_{0.13}\text{Fe}_{0.13}\text{O}_2$ with P2-type hexagonal phase as high-performance cathode materials for sodium-ion batteries. <b>2018</b> , 732, 88-94	10
1165	Synthesis of SnS nanoparticle-modified MXene ( $\text{Ti}_3\text{C}_2\text{T}_x$ ) composites for enhanced sodium storage. <b>2018</b> , 732, 448-453	83
1164	Synthesis of cubic $\text{Na}_3\text{Sb}_5\text{S}_4$ solid electrolyte with enhanced ion transport for all-solid-state sodium-ion batteries. <b>2018</b> , 259, 100-109	42
1163	Ultrahigh rate binder-free $\text{Na}_3\text{V}_2(\text{PO}_4)_3/\text{carbon}$ cathode for sodium-ion battery. <b>2018</b> , 27, 1439-1445	22
1162	Improvement in ion transport in $\text{Na}_3\text{PSe}_4/\text{Na}_3\text{SbSe}_4$ by Sb substitution. <b>2018</b> , 53, 1987-1994	30
1161	Anthraquinone derivative as high-performance anode material for sodium-ion batteries using ether-based electrolytes. <b>2018</b> , 3, 63-70	11
1160	Fabrication of porous carbon sphere@ $\text{SnO}_2$ @carbon layer coating composite as high performance anode for sodium-ion batteries. <b>2018</b> , 433, 713-722	16
1159	Tubular $\text{MoO}_2$ organized by 2D assemblies for fast and durable alkali-ion storage. <b>2018</b> , 11, 161-169	54

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1157	Evaluation of NaFeTiO <sub>4</sub> as an electrode for energy storage application. <b>2018</b> , 24, 1065-1074	5
1156	Enhanced sodium storage performance in flexible free-standing multichannel carbon nanofibers with enlarged interlayer spacing. <b>2018</b> , 11, 2256-2264	21
1155	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
1154	Enhanced electrochemical properties of carbon coated Zn <sub>2</sub> GeO <sub>4</sub> micron-rods as anode materials for sodium-ion batteries. <b>2018</b> , 331, 203-210	32
1153	Polymeric Redox-Active Electrodes for Sodium-Ion Batteries. <b>2018</b> , 11, 311-319	18
1152	Hard carbon derived from corn straw piths as anode materials for sodium ion batteries. <b>2018</b> , 24, 1075-1081	30
1151	Sodium-Ion Batteries: From Academic Research to Practical Commercialization. <b>2018</b> , 8, 1701428	335
1150	One step synthesis of SnS <sub>2</sub> nanosheets assembled hierarchical tubular structures using metal chelate nanowires as a soluble template for improved Na-ion storage. <b>2018</b> , 332, 548-555	23
1149	Hierarchical flower-like VS <sub>2</sub> nanosheets Δ high rate-capacity and stable anode material for sodium-ion battery. <b>2018</b> , 11, 1-7	134
1148	Ultra-low cost and highly stable hydrated FePO <sub>4</sub> anodes for aqueous sodium-ion battery. <b>2018</b> , 374, 211-216	32
1147	Preparation of a Si/SiO <sub>2</sub> -Ordered-Mesoporous-Carbon Nanocomposite as an Anode for High-Performance Lithium-Ion and Sodium-Ion Batteries. <b>2018</b> , 24, 4841-4848	53
1146	Metal-Organic Framework-Derived Materials for Sodium Energy Storage. <b>2018</b> , 14, 1702648	102
1145	NS codoped carbon nanorods as anode materials for high-performance lithium and sodium ion batteries. <b>2018</b> , 27, 203-208	27
1144	Carbon with Expanded and Well-Developed Graphene Planes Derived Directly from Condensed Lignin as a High-Performance Anode for Sodium-Ion Batteries. <b>2018</b> , 10, 569-581	48
1143	Fe <sub>2</sub> O <sub>3</sub> /nitrogen-doped graphene nanosheet nanocomposites as anode materials for sodium-ion batteries with enhanced electrochemical performance. <b>2018</b> , 737, 130-135	20
1142	Tailoring alternating heteroepitaxial nanostructures in Na-ion layered oxide cathodes via an in-situ composition modulation route. <b>2018</b> , 44, 336-344	26
1141	Expanded biomass-derived hard carbon with ultra-stable performance in sodium-ion batteries. <b>2018</b> , 6, 1513-1522	130

1140	Rapid redox kinetics in uniform sandwich-structured mesoporous Nb <sub>2</sub> O <sub>5</sub> /graphene/mesoporous Nb <sub>2</sub> O <sub>5</sub> nanosheets for high-performance sodium-ion supercapacitors. <b>2018</b> , 13, 223-232	87
1139	Atomic layer deposition-enabled ultrastable freestanding carbon-selenium cathodes with high mass loading for sodium-selenium battery. <b>2018</b> , 43, 317-325	56
1138	Multi-hierarchical nanosheet-assembled chrysanthemum-structured Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C as electrode materials for high-performance sodium-ion batteries. <b>2018</b> , 24, 1663-1673	5
1137	Low temperature sintering of Na <sub>1+Zr</sub> Si <sub>3</sub> P <sub>3</sub> O <sub>12</sub> by the addition of Na <sub>3</sub> BO <sub>3</sub> . <b>2018</b> , 145, 67-70	26
1136	3D Amorphous Carbon with Controlled Porous and Disordered Structures as a High-Rate Anode Material for Sodium-Ion Batteries. <b>2018</b> , 8, 1702434	343
1135	Electrochemical properties and first-principle analysis of Na <sub>x</sub> [M <sub>y</sub> Mn <sub>1-y</sub> ]O <sub>2</sub> (M = Fe, Ni) cathode. <b>2018</b> , 22, 1079-1089	15
1134	Pyrite FeS <sub>2</sub> @C nanorods as smart cathode for sodium ion battery with ultra-long lifespan and notable rate performance from tunable pseudocapacitance. <b>2018</b> , 260, 755-761	71
1133	Heat generation rates of NaFePO <sub>4</sub> electrodes for sodium-ion batteries and LiFePO <sub>4</sub> electrodes for lithium-ion batteries: a comparative study. <b>2018</b> , 22, 1099-1108	5
1132	An open holey structure enhanced rate capability in a NaTi(PO) <sub>3</sub> /C nanocomposite and provided ultralong-life sodium-ion storage. <b>2018</b> , 10, 958-963	38
1131	Rational Assembly of Hollow Microporous Carbon Spheres as P Hosts for Long-Life Sodium-Ion Batteries. <b>2018</b> , 8, 1702267	74
1130	Graphene scrolls coated Sb <sub>2</sub> S <sub>3</sub> nanowires as anodes for sodium and lithium ion batteries. <b>2018</b> , 15, 197-204	11
1129	Incorporation of Co into MoS <sub>2</sub> /graphene nanocomposites: One effective way to enhance the cycling stability of Li/Na storage. <b>2018</b> , 373, 103-109	47
1128	Synthesis of alluaudite-type Na <sub>2</sub> VFe <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C and its electrochemical performance as cathode material for sodium-ion battery. <b>2018</b> , 22, 891-898	9
1127	Preparation of MoS <sub>2</sub> /TiO <sub>2</sub> based nanocomposites for photocatalysis and rechargeable batteries: progress, challenges, and perspective. <b>2017</b> , 10, 34-68	184
1126	Thioindigo: A novel cathode material of sodium ion battery predicted through dispersion-corrected density functional theory. <b>2018</b> , 143, 255-261	2
1125	Rice husk-derived hard carbons as high-performance anode materials for sodium-ion batteries. <b>2018</b> , 127, 658-666	204
1124	Layered Oxide Cathodes for Sodium-Ion Batteries: Phase Transition, Air Stability, and Performance. <b>2018</b> , 8, 1701912	346
1123	Readily Exfoliated TiSe Nanosheets for High-Performance Sodium Storage. <b>2018</b> , 24, 1193-1197	24

1122	Liquid-phase sintering of highly Na <sup>+</sup> ion conducting Na <sub>3</sub> Zr <sub>2</sub> Si <sub>2</sub> PO <sub>12</sub> ceramics using Na <sub>3</sub> BO <sub>3</sub> additive. <b>2018</b> , 101, 1255-1265	44
1121	Organic materials for rechargeable sodium-ion batteries. <b>2018</b> , 21, 60-78	152
1120	Deciphering the Cathode/Electrolyte Interfacial Chemistry in Sodium Layered Cathode Materials. <b>2018</b> , 8, 1801975	64
1119	Sodium-Tin System: Thermodynamic Properties of Alloys and Prospects for Using Tin and Its Alloys and Compounds in Sodium-Ion Batteries (Review). <b>2018</b> , 91, 1785-1798	4
1118	Synthesis and physicochemical characterization of room temperature ionic liquids and their application in sodium ion batteries. <b>2018</b> , 20, 29412-29422	12
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1116	Beyond intercalation based sodium-ion batteries: the role of alloying anodes, efficient sodiation mechanisms and recent progress. <b>2018</b> , 2, 2567-2582	22
1115	Investigations of the capacity fading mechanism of NaMnO <sub>2</sub> via ex situ XAS and magnetization measurements. <b>2018</b> , 47, 17102-17108	7
1114	Superior Na-storage performance of molten-state-blending-synthesized monoclinic NaVPO <sub>4</sub> F nanoplates for Na-ion batteries. <b>2018</b> , 6, 24201-24209	24
1113	Polymer Electrode Materials for Sodium-ion Batteries. <b>2018</b> , 11,	31
1112	Synthesis and Investigation of CuGeO Nanowires as Anode Materials for Advanced Sodium-Ion Batteries. <b>2018</b> , 13, 193	17
1111	Dandelion-shaped manganese sulfide in ether-based electrolyte for enhanced performance sodium-ion batteries. <b>2018</b> , 1,	21
1110	A Computational Study on P2-Type Na <sub>x</sub> [Ni <sub>1/3</sub> Ti <sub>2/3</sub> ]O <sub>2</sub> as Bi-Functional Electrode Material for Na-Ion Batteries. <b>2018</b> , 165, A3586-A3594	3
1109	Three-Dimensional Graphene-based N-doped Carbon Composites as High-Performance Anode Materials for Sodium-ion Batteries. <b>2018</b> , 13, 3859-3864	4
1108	Honeycomb-like Hard Carbon Derived from Pine Pollen as High-Performance Anode Material for Sodium-Ion Batteries. <b>2018</b> , 10, 42796-42803	80
1107	Perylene Polyimide-Polyether Anodes for Aqueous All-Organic Polymer Batteries. <b>2018</b> , 1, 7199-7205	43
1106	Improved sodium storage performances of plasma treated self-supported carbon fibers. <b>2018</b> , 327, 52-58	7
1105	Improving the Electrochemical Properties of the Manganese-Based P3 Phase by Multiphasic Intergrowth. <b>2018</b> , 57, 15584-15591	12

1104	A monoclinic polymorph of sodium birnessite for ultrafast and ultrastable sodium ion storage. <b>2018</b> , 9, 5100	93
1103	NbO Nanoparticles Anchored on an N-Doped Graphene Hybrid Anode for a Sodium-Ion Capacitor with High Energy Density. <b>2018</b> , 3, 15943-15951	16
1102	NaMnZr(PO): A High-Voltage Cathode for Sodium Batteries. <b>2018</b> , 140, 18192-18199	115
1101	High capacity sodium-rich layered oxide cathode for sodium-ion batteries. <b>2018</b> , 27, 118801	3
1100	Temperature effect and thermal impact in lithium-ion batteries: A review. <b>2018</b> , 28, 653-666	282
1099	Alkali Metal Ion Storage of Quinone Molecules Grafted on Single-Walled Carbon Nanotubes at Low Temperature. <b>2018</b> , 3, 15598-15605	8
1098	Crystallization Mechanisms and Energy-Storage Performances in BaO-SrO-Na <sub>2</sub> O-Nb <sub>2</sub> O <sub>5</sub> Based Glass-Ceramics. <b>2018</b> , 47, 7429-7434	6
1097	Graphene oxide supported tin dioxide: synthetic approaches and electrochemical characterization as anodes for lithium- and sodium-ion batteries. <b>2018</b> , 67, 1131-1141	
1096	Surface-Dominated Sodium Storage Towards High Capacity and Ultrastable Anode Material for Sodium-Ion Batteries. <b>2018</b> , 28, 1805371	101
1095	Thermal stability of Sn anode material with non-aqueous electrolytes in sodium-ion batteries. <b>2018</b> , 6, 20383-20392	23
1094	Manganese hexacyanoferrate/graphene cathodes for sodium-ion batteries with superior rate capability and ultralong cycle life. <b>2018</b> , 5, 2914-2920	12
1093	Facile hydrothermal treatment route of reed straw-derived hard carbon for high performance sodium ion battery. <b>2018</b> , 291, 188-196	50
1092	Recent Progresses and Prospects of Cathode Materials for Non-aqueous Potassium-Ion Batteries. <b>2018</b> , 1, 548-566	32
1091	Enhanced Cycling Stability of Macroporous Bulk Antimony-Based Sodium-Ion Battery Anodes Enabled through Active/Inactive Composites. <b>2018</b> , 8, 1801781	39
1090	Enhanced electrochemical performance of iron-manganese based cathode by Li doping for sodium-ion batteries. <b>2018</b> , 292, 871-878	8
1089	An advanced blackberry-shaped Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode: Assists in high-rate performance and long-life stability. <b>2018</b> , 292, 736-741	16
1088	Rate and Composition Dependence on the Structural-Electrochemical Relationships in P <sub>2</sub> Na <sub>2/3</sub> Fe <sub>1-x</sub> MnyO <sub>2</sub> Positive Electrodes for Sodium-Ion Batteries. <b>2018</b> , 30, 7503-7510	17
1087	Hierarchical GeP/Carbon Nanocomposite with Dual-Carbon Conductive Network as Promising Anode Material for Sodium-Ion Batteries. <b>2018</b> , 10, 36902-36909	29

1086	Long Cycle Life All-Solid-State Sodium Ion Battery. <b>2018</b> , 10, 39645-39650	32
1085	Suppressing the voltage decay of low-cost P2-type iron-based cathode materials for sodium-ion batteries. <b>2018</b> , 6, 20795-20803	25
1084	Phase transition induced cracking plaguing layered cathode for sodium-ion battery. <b>2018</b> , 54, 148-155	63
1083	Untangling the Structure and Dynamics of Lithium-Rich Anti-Perovskites Envisaged as Solid Electrolytes for Batteries. <b>2018</b> , 30, 8134-8144	44
1082	Li-Substituted Layered Spinel Cathode Material for Sodium Ion Batteries. <b>2018</b> , 30, 8145-8154	25
1081	Enhancing the Rate Capability and Cycling Stability of Na <sub>0.67</sub> Mn <sub>0.7</sub> Fe <sub>0.2</sub> Co <sub>0.1</sub> O <sub>2</sub> through a Synergy of Zr <sup>4+</sup> Doping and ZrO <sub>2</sub> Coating. <b>2018</b> , 122, 25909-25916	19
1080	Revealing the Structural Stability and Na-Ion Mobility of 3D Superionic Conductor Na <sub>3</sub> SbS <sub>4</sub> at Extremely Low Temperatures. <b>2018</b> , 1, 7028-7034	9
1079	Temperature-Induced Activation of Graphite Co-intercalation Reactions for Glymes and Crown Ethers in Sodium-Ion Batteries. <b>2018</b> , 122, 26816-26824	25
1078	Thickness-control of ultrathin bimetallic FeMo selenide@N-doped carbon core/shell nano-crisps for high-performance potassium-ion batteries. <b>2018</b> , 13, 344-351	57
1077	Boosting Sodium-Ion Storage by Encapsulating NiS (CoS) Hollow Nanoparticles into Carbonaceous Fibers. <b>2018</b> , 10, 40531-40539	48
1076	Na-Rich Prussian White Cathodes for Long-Life Sodium-Ion Batteries. <b>2018</b> , 6, 16121-16129	31
1075	In Situ Constructing MoS <sub>2</sub> -C Nanospheres as Advanced Anode for Sodium-Ion Battery. <b>2018</b> , 3, 11381-11387	3
1074	Fast Na-Ion Intercalation in Zinc Vanadate for High-Performance Na-Ion Hybrid Capacitor. <b>2018</b> , 8, 1802800	52
1073	Two-Dimensional GaN: An Excellent Electrode Material Providing Fast Ion Diffusion and High Storage Capacity for Li-Ion and Na-Ion Batteries. <b>2018</b> , 10, 38978-38984	59
1072	Enhanced cycle stability of Na <sub>0.9</sub> Ni <sub>0.45</sub> Mn <sub>0.55</sub> O <sub>2</sub> through tailoring O3/P2 hybrid structures for sodium-ion batteries. <b>2018</b> , 406, 110-117	69
1071	High Performance Titanium Antimonide TiSb <sub>2</sub> Alloy for Na-Ion Batteries and Capacitors. <b>2018</b> , 30, 8155-8163	24
1070	Nickel-hydrogen batteries for large-scale energy storage. <b>2018</b> , 115, 11694-11699	37
1069	A Robust Integrated SnO <sub>x</sub> /Carbon Composite Anode for Sodium-Ion Batteries. <b>2018</b> , 3, 10869-10874	6

1068	Theoretical design of double anti-perovskite Na <sub>6</sub> SOI <sub>2</sub> as a super-fast ion conductor for solid Na+ ion batteries. <b>2018</b> , 6, 19843-19852	23
1067	Size controlling and surface engineering enable NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C outstanding sodium storage properties. <b>2018</b> , 289, 21-28	19
1066	Systematic investigation of the Binder's role in the electrochemical performance of tin sulfide electrodes in SIBs. <b>2018</b> , 401, 195-203	16
1065	Exploration of Phase Compositions, Crystal Structures, and Electrochemical Properties of Na <sub>x</sub> FeyMn <sub>1-x</sub> O <sub>2</sub> Sodium Ion Battery Materials. <b>2018</b> , 30, 6636-6645	7
1064	3D self-assembled VS microspheres with high pseudocapacitance as highly efficient anodes for Na-ion batteries. <b>2018</b> , 10, 21671-21680	34
1063	Waste heat recovery from diesel engines based on Organic Rankine Cycle. <b>2018</b> , 231, 138-166	157
1062	Chemical interactions between red P and functional groups in NiP <sub>3</sub> /CNT composite anodes for enhanced sodium storage. <b>2018</b> , 6, 20184-20194	36
1061	Pyromellitic Diimide-Based Copolymers and Their Application as Stable Cathode Active Materials in Lithium and Sodium-Ion Batteries. <b>2018</b> , 30, 6821-6830	21
1060	Waste-Driven Bio-Carbon Electrode Material for Na-Ion Storage Applications. <b>2018</b> , 6, 13915-13923	23
1059	OPGs: promising anode materials with high specific capacity and rate capability for Li/Na ion batteries. <b>2018</b> , 10, 17942-17948	8
1058	Exploration of NbSe <sub>2</sub> Flakes as Reversible Host Materials for Sodium-Ion and Potassium-Ion Batteries. <b>2018</b> , 3, 9807-9811	10
1057	Functionalized Carboxyl Carbon/NaBOB Composite as Highly Conductive Electrolyte for Sodium Ion Batteries. <b>2018</b> , 3, 9293-9300	3
1056	New Class of 3.7 V Fe-Based Positive Electrode Materials for Na-Ion Battery Based on Cation-Disordered Polyanion Framework. <b>2018</b> , 30, 6346-6352	13
1055	Impact of the Morphology of V <sub>2</sub> O <sub>5</sub> Electrodes on the Electrochemical Na <sup>+</sup> -Ion Intercalation. <b>2018</b> , 165, A2709-A2717	9
1054	Approaching the Downsizing Limit of Maricite NaFePO <sub>4</sub> toward High-Performance Cathode for Sodium-Ion Batteries. <b>2018</b> , 28, 1801917	92
1053	Enhanced electrochemical performances of coal liquefaction residue derived hard carbon coated by graphene as anode materials for sodium-ion batteries. <b>2018</b> , 178, 35-40	8
1052	CuS Microspheres with Tunable Interlayer Space and Micropore as a High-Rate and Long-Life Anode for Sodium-Ion Batteries. <b>2018</b> , 8, 1800930	127
1051	One-step and short-time synthesis of 3D NaV <sub>2</sub> O <sub>5</sub> mesocrystal as anode materials of Na-Ion batteries. <b>2018</b> , 395, 158-162	10



1050	Borophene as a promising anode material for sodium-ion batteries with high capacity and high rate capability using DFT.. <b>2018</b> , 8, 17773-17785	28
1049	Diglyme Based Electrolytes for Sodium-Ion Batteries. <b>2018</b> , 1, 2671-2680	61
1048	Disordered carbon tubes based on cotton cloth for modulating interface impedance in $\alpha$ -Al <sub>2</sub> O <sub>3</sub> -based solid-state sodium metal batteries. <b>2018</b> , 6, 12623-12629	15
1047	Reversible Sodium and Lithium Insertion in Iron Fluoride Perovskites. <b>2018</b> , 28, 1802057	14
1046	Progress and prospect for NASICON-type Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> for electrochemical energy storage. <b>2018</b> , 27, 1597-1617	56
1045	Caging Nb O Nanowires in PECVD-Derived Graphene Capsules toward Bendable Sodium-Ion Hybrid Supercapacitors. <b>2018</b> , 30, e1800963	126
1044	Layered Potassium Vanadate K <sub>0.5</sub> V <sub>2</sub> O <sub>5</sub> as a Cathode Material for Nonaqueous Potassium Ion Batteries. <b>2018</b> , 28, 1800670	121
1043	P3-type K <sub>0.32</sub> Fe <sub>0.35</sub> Mn <sub>0.65</sub> O <sub>2</sub> ·0.39H <sub>2</sub> O: a promising cathode for Na-ion full batteries. <b>2018</b> , 6, 13075-13081	19
1042	The effects of the functional electrolyte additive on the cathode material Na <sub>0.76</sub> Ni <sub>0.3</sub> Fe <sub>0.4</sub> Mn <sub>0.3</sub> O <sub>2</sub> for sodium-ion batteries. <b>2018</b> , 281, 370-377	18
1041	Dendrite-Free Sodium-Metal Anodes for High-Energy Sodium-Metal Batteries. <b>2018</b> , 30, e1801334	177
1040	Facile synthesis of free-standing, flexible hard carbon anode for high-performance sodium ion batteries using graphene as a multi-functional binder. <b>2018</b> , 137, 475-483	37
1039	Enhanced alkaline stability in a hafnium-substituted NaSICON ion conductor. <b>2018</b> , 6, 9691-9698	9
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1037	SnS/C nanocomposites for high-performance sodium ion battery anodes.. <b>2018</b> , 8, 23847-23853	20
1036	High Volumetric Quasi-Solid-State Sodium-Ion Capacitor under High Mass Loading Conditions. <b>2018</b> , 5, 1800472	29
1035	Ethers Illuminate Sodium-Based Battery Chemistry: Uniqueness, Surprise, and Challenges. <b>2018</b> , 8, 1801361	99
1034	Molecular Dynamics Modeling of the Structure and Na-Ion Transport in NaS + SiS Glassy Electrolytes. <b>2018</b> , 122, 7597-7608	7
1033	Empowering multicomponent cathode materials for sodium ion batteries by exploring three-dimensional compositional heterogeneities. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 2496-2508	35.4 34



1032	Porous CoTiO <sub>3</sub> microbars as super rate and long life anodes for sodium ion batteries. <b>2018</b> , 44, 18025-18031	8
1031	Sodium Ion Batteries Particles: Phase-Field Modeling with Coupling of Cahn-Hilliard Equation and Finite Deformation Elasticity. <b>2018</b> , 165, A1997-A2007	8
1030	High Tap Density Co and Ni Containing P2-Na <sub>0.66</sub> MnO <sub>2</sub> Buckyballs: A Promising High Voltage Cathode for Stable Sodium-Ion Batteries. <b>2018</b> , 28, 1801898	33
1029	Na <sub>3</sub> NH <sub>2</sub> B <sub>12</sub> H <sub>12</sub> as high performance solid electrolyte for all-solid-state Na-ion batteries. <b>2018</b> , 396, 574-579	17
1028	FeOF ellipsoidal nanoparticles anchored on reduced graphene oxides as a cathode material for sodium-ion batteries. <b>2018</b> , 396, 551-558	15
1027	Roles of Coherent Interfaces on Electrochemical Performance of Sodium Layered Oxide Cathodes. <b>2018</b> , 30, 4728-4737	20
1026	Ultra-stable sodium ion battery cathode realized by Cu <sub>7</sub> S <sub>4</sub> nanoparticles. <b>2018</b> , 399, 105-114	16
1025	High-temperature treatment induced carbon anode with ultrahigh Na storage capacity at low-voltage plateau. <b>2018</b> , 63, 1125-1129	68
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1023	Combined Structural, Chemometric, and Electrochemical Investigation of Vertically Aligned TiO Nanotubes for Na-ion Batteries. <b>2018</b> , 3, 8440-8450	78
1022	Facile synthesis of N,O-codoped hard carbon on the kilogram scale for fast capacitive sodium storage. <b>2018</b> , 6, 16465-16474	39
1021	A Novel Graphene Oxide Wrapped Na <sub>2</sub> Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> /C Cathode Composite for Long Life and High Energy Density Sodium-Ion Batteries. <b>2018</b> , 8, 1800944	61
1020	New Binder-Free Metal Phosphide/Carbon Felt Composite Anodes for Sodium-Ion Battery. <b>2018</b> , 8, 1801197	90
1019	A Flexible Sulfur-Enriched Nitrogen Doped Multichannel Hollow Carbon Nanofibers Film for High Performance Sodium Storage. <b>2018</b> , 14, e1802218	73
1018	Electrolyte Additives for Room-Temperature, Sodium-Based, Rechargeable Batteries. <b>2018</b> , 13, 2770-2780	30
1017	A phase-transition-free cathode for sodium-ion batteries with ultralong cycle life. <b>2018</b> , 52, 88-94	36
1016	Porous carbon adsorption layer enabling highly reversible redox-reaction of a high potential organic electrode material for sodium ion batteries.. <b>2018</b> , 8, 24900-24905	8
1015	Identifying the Structural Evolution of the Sodium Ion Battery Na FePO F Cathode. <b>2018</b> , 57, 11918-11923	55

1014	Enhanced electrochemical performance of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> for Na-ion batteries with nanostructure and carbon coating. <b>2018</b> , 29, 16325-16329	8
1013	Sandwich-like graphene-Bi <sub>2</sub> S <sub>3</sub> hybrid derived from (BiO) <sub>2</sub> CO <sub>3</sub> nanosheets as advanced anode materials for lithium/sodium ion batteries. <b>2018</b> , 768, 426-432	16
1012	Identifying the Structural Evolution of the Sodium Ion Battery Na <sub>2</sub> FePO <sub>4</sub> F Cathode. <b>2018</b> , 130, 12094-12099	10
1011	Electrolytes for Batteries with Earth-Abundant Metal Anodes. <b>2018</b> , 24, 18220-18234	36
1010	Mesoporous Graphitic Carbon-Encapsulated Fe O Nanocomposite as High-Rate Anode Material for Sodium-Ion Batteries. <b>2018</b> , 24, 14786-14793	21
1009	Review of electrical energy storage technologies, materials and systems: challenges and prospects for large-scale grid storage. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 2696-2767	35.4 865
1008	Ion Transport in Solvent-Free, Crosslinked, Single-Ion Conducting Polymer Electrolytes for Post-Lithium Ion Batteries. <b>2018</b> , 4, 28	25
1007	Flexible Sodium Ion Batteries: From Materials to Devices. <b>2018</b> , 97-125	
1006	A High-Crystalline NaV <sub>1.25</sub> Ti <sub>0.75</sub> O <sub>4</sub> Anode for Wide-Temperature Sodium-Ion Battery. <b>2018</b> , 8, 1801162	23
1005	Probing Thermal and Chemical Stability of Na <sub>x</sub> Ni <sub>1/3</sub> Fe <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> Cathode Material toward Safe Sodium-Ion Batteries. <b>2018</b> , 30, 4909-4918	36
1004	Organic Carbonyl Compounds for Sodium-Ion Batteries: Recent Progress and Future Perspectives. <b>2018</b> , 24, 18235-18245	39
1003	Composite-Structure Material Design for High-Energy Lithium Storage. <b>2018</b> , 14, e1800887	25
1002	Confined phosphorus in carbon nanotube-backboned mesoporous carbon as superior anode material for sodium/potassium-ion batteries. <b>2018</b> , 52, 1-10	120
1001	Expanding Interlayer Spacing of Hard Carbon by Natural K Doping to Boost Na-Ion Storage. <b>2018</b> , 10, 27030-27038	64
1000	Enhanced electrochemical performance of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> with Ni <sup>2+</sup> doping by a spray drying-assisted process for sodium ion batteries. <b>2018</b> , 324, 183-190	17
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997	Hierarchical Cu doped SnSe nanoclusters as high-performance anode for sodium-ion batteries. <b>2018</b> , 282, 973-980	32

996	Na-ion battery cathode materials prepared by electrochemical ion exchange from alumina-coated $\text{Li}_{1+x}\text{Mn}_{0.54}\text{Co}_{0.13}\text{Ni}_{0.1+y}\text{O}_2$ . <b>2018</b> , 6, 14816-14827	16
995	Global power grid interconnection for sustainable growth: concept, project and research direction. <b>2018</b> , 12, 3114-3123	16
994	TiO <sub>2</sub> nanosheets anchoring on carbon nanotubes for fast sodium storage. <b>2018</b> , 283, 1514-1524	15
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992	Transition metal oxides based on conversion reaction for sodium-ion battery anodes. <b>2018</b> , 9, 114-132	27
991	Cu <sub>2</sub> S@ N, S Dual-Doped Carbon Matrix Hybrid as Superior Anode Materials for Lithium/Sodium ion Batteries. <b>2018</b> , 5, 2135-2141	35
990	Polyanionic Insertion Materials for Sodium-Ion Batteries. <b>2018</b> , 8, 1703055	165
989	Electrical conductivity and charge/discharge profiles of mixed polyanion glass-ceramic cathodes for use in Na-ion batteries. <b>2018</b> , 493, 41-47	8
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987	3D Wettable Framework for Dendrite-Free Alkali Metal Anodes. <b>2018</b> , 8, 1800635	155
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984	Hard carbon anode materials for sodium-ion batteries. <b>2018</b> , 11, 1830003	39
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981	Stable Sodium Storage of Red Phosphorus Anode Enabled by a Dual-Protection Strategy. <b>2018</b> , 10, 30479-30488	68
980	Fast Na ion transport triggered by rapid ion exchange on local length scales. <b>2018</b> , 8, 11970	16
979	Synergistic Role of Electrolyte and Binder for Enhanced Electrochemical Storage for Sodium-Ion Battery. <b>2018</b> , 3, 9945-9955	12

978	Hierarchical Interconnected Expanded Graphitic Ribbons Embedded with Amorphous Carbon: An Advanced Carbon Nanostructure for Superior Lithium and Sodium Storage. <b>2018</b> , 14, e1802221	28
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976	Colloidal Bismuth Nanocrystals as a Model Anode Material for Rechargeable Mg-Ion Batteries: Atomistic and Mesoscale Insights. <b>2018</b> , 12, 8297-8307	41
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973	Curvature induced improvement of Li storage in Ca <sub>2</sub> N nanotubes. <b>2018</b> , 459, 406-410	2
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971	In Situ Growth of a Feather-like MnO <sub>2</sub> Nanostructure on Carbon Paper for High-Performance Rechargeable Sodium-Ion Batteries. <b>2018</b> , 5, 3266-3272	8
970	Recent Progress on Two-Dimensional Nanoflake Ensembles for Energy Storage Applications. <b>2018</b> , 10, 66	49
969	Ultrahigh rate capability and ultralong cycling stability of sodium-ion batteries enabled by wrinkled black titania nanosheets with abundant oxygen vacancies. <b>2018</b> , 53, 91-96	34
968	Enhancement of Stability by Positive Disruptive Effect on Mn/Fe Charge Transfer in Vacancy-Free Mn <sub>1-x</sub> Co Hexacyanoferrate Through a Charge/Discharge Process in Aqueous Na-Ion Batteries. <b>2018</b> , 122, 20602-20610	17
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966	Ultrafine CoP Nanoparticles Anchored on Reduced Graphene Oxide Nanosheets as Anodes for Sodium Ion Batteries with Enhanced Electrochemical Performance. <b>2018</b> , 2018, 3433-3438	22
965	Electrochemical properties of novel FeVO as an anode for Na-ion batteries. <b>2018</b> , 8, 8839	16
964	Recent Advances in Sodium-Ion Battery Materials. <b>2018</b> , 1, 294-323	154
963	Theoretical investigation of zirconium carbide MXenes as prospective high capacity anode materials for Na-ion batteries. <b>2018</b> , 6, 13652-13660	56
962	Flexible MnS-Carbon Fiber Hybrids for Lithium-Ion and Sodium-Ion Energy Storage. <b>2018</b> , 24, 13535-13539	41
961	Electrochemistry and Solid-State Chemistry of NaMeO <sub>2</sub> (Me = 3d Transition Metals). <b>2018</b> , 8, 1703415	164

960	Origin of storage capacity enhancement by replacing univalent ion with multivalent ion for energy storage. <b>2018</b> , 282, 30-37	8
959	Determining Na <sup>+</sup> transport number in Na <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> glass with Na concentration cell. <b>2018</b> , 324, 65-68	1
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956	Electrochemical construction and sodium storage performance of three-dimensional porous self-supported MoS <sub>2</sub> electrodes. <b>2018</b> , 11, 1850050	8
955	One-pot hydrothermal synthesis of Na <sub>x</sub> V <sub>2</sub> O <sub>5</sub> ·nH <sub>2</sub> O/KB nanocomposite as a sodium-ion battery cathode for improved reversible capacity and rate performance. <b>2018</b> , 396, 230-237	14
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949	2D graphdiyne materials: challenges and opportunities in energy field. <b>2018</b> , 61, 765-786	89
948	Mechanically Robust, Sodium-Ion Conducting Membranes for Nonaqueous Redox Flow Batteries. <b>2018</b> , 3, 1640-1647	14
947	Electrospun Flexible Cellulose Acetate-Based Separators for Sodium-Ion Batteries with Ultralong Cycle Stability and Excellent Wettability: The Role of Interface Chemical Groups. <b>2018</b> , 10, 23883-23890	53
946	SnSb for Sodium Ion Battery Anodes: Phase Transformations Responsible for Enhanced Cycling Stability Revealed by In Situ TEM. <b>2018</b> , 3, 1670-1676	68
945	Comprehensive Studies on the Hydrothermal Strategy for the Synthesis of Na <sub>3</sub> (VO <sub>1-x</sub> PO <sub>4</sub> ) <sub>2</sub> F <sub>1+2x</sub> (0 ≤ x ≤ 1) and their Na-Storage Performance. <b>2019</b> , 3, 1800111	26
944	A new Tin-based O <sub>3</sub> -Na <sub>0.9</sub> [Ni <sub>0.45x</sub> /2MnxSn <sub>0.55x</sub> /2]O <sub>2</sub> as sodium-ion battery cathode. <b>2019</b> , 31, 132-137	21
943	Layered germanium phosphide-based anodes for high-performance lithium- and sodium-ion batteries. <b>2019</b> , 17, 78-87	47

942	Recent Progress and Future Trends of Aluminum Batteries. <b>2019</b> , 7, 86-106	58
941	Recent progress in phosphorus based anode materials for lithium/sodium ion batteries. <b>2019</b> , 16, 290-322	162
940	Metal oxide/graphene composite anode materials for sodium-ion batteries. <b>2019</b> , 16, 434-454	109
939	Recent advances on flexible electrodes for Na-ion batteries and LiB batteries. <b>2019</b> , 32, 15-44	42
938	Exploration of Advanced Electrode Materials for Rechargeable Sodium-Ion Batteries. <b>2019</b> , 9, 1800212	139
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936	Study of the Na Storage Mechanism in Silicon Oxycarbide Evidence for Reversible Silicon Redox Activity. <b>2019</b> , 3, 1800177	14
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933	Facile Tailoring of Multidimensional Nanostructured Sb for Sodium Storage Applications. <b>2019</b> , 13, 9533-9540	40
932	Stable and Unstable Diglyme-Based Electrolytes for Batteries with Sodium or Graphite as Electrode. <b>2019</b> , 11, 32844-32855	40
931	Stability of aqueous electrolytes based on LiFSI and NaFSI. <b>2019</b> , 321, 134644	34
930	Underpotential deposition of SnBi thin films for sodium ion batteries: The effect of deposition potential and Sn concentration. <b>2019</b> , 808, 151658	2
929	Metal-organic-framework-derived hollow polyhedrons of prussian blue analogues for high power grid-scale energy storage. <b>2019</b> , 321, 134671	15
928	Amorphous and crystalline TiO <sub>2</sub> nanoparticle negative electrodes for sodium-ion batteries. <b>2019</b> , 321, 134723	14
927	Sulfur-/Nitrogen-Rich Albumen Derived "Self-Doping" Graphene for Sodium-Ion Storage. <b>2019</b> , 25, 14358-14363	
926	Sodium Naphthalene-2,6-dicarboxylate: An Anode for Sodium Batteries. <b>2019</b> , 12, 4522-4528	11
925	Carbonate Solvents and Ionic Liquid Mixtures as an Electrolyte to Improve Cell Safety in Sodium-Ion Batteries. <b>2019</b> , 2019, 1-10	7

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923	A high-voltage concept with sodium-ion conducting $\beta$ -alumina for magnesium-sodium dual-ion batteries. <b>2019</b> , 2,	13
922	Influence of beads-on-string on Na-Ion storage behavior in electrospun carbon nanofibers. <b>2019</b> , 154, 219-229	13
921	O3-type layer-structured $\text{Na}_{0.8}[\text{Ni}_{1/5}\text{Fe}_{1/5}\text{Co}_{1/5}\text{Mn}_{1/5}\text{Ti}_{1/5}]\text{O}_2$ as long life and high power cathode material for sodium-ion batteries. <b>2019</b> , 45, 23164-23171	7
920	A Versatile Pyramidal Hauerite Anode in Congeniality Diglyme-Based Electrolytes for Boosting Performance of Li- and Na-Ion Batteries. <b>2019</b> , 9, 1900710	22
919	Tuning sodium nucleation and stripping by the mixed surface of carbon nanotube-sodium composite electrodes for improved reversibility. <b>2019</b> , 438, 227005	7
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917	Cycling Stability of Layered Potassium Manganese Oxide in Nonaqueous Potassium Cells. <b>2019</b> , 11, 27770-27779	25
916	Yolk-shell $\text{NiS}_x@\text{C}$ nanosheets as K-ion battery anodes with high rate capability and ultralong cycle life. <b>2019</b> , 7, 18932-18939	29
915	A First-Principles Study of Boron-Doped $\text{BC}_2\text{N}$ Sheet as Potential Anode Material for Li/Na-Ion Batteries. <b>2019</b> , 6, 3797-3805	4
914	Engineering Unique Ball-In-Ball Structured $(\text{NiCo})\text{S}@\text{C}$ Nanospheres for Advanced Sodium Storage. <b>2019</b> , 11, 27805-27812	16
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908	Fe-doped layered P3-type $\text{K}_{0.45}\text{Mn}_{1-x}\text{Fe}_x\text{O}_2$ ( $x \leq 0.5$ ) as cathode materials for low-cost potassium-ion batteries. <b>2019</b> , 378, 122167	29
907	Multi-functional PEDOT-engineered sodium titanate nanowires for sodium-ion batteries with synchronous improvements in rate capability and structural stability. <b>2019</b> , 7, 19241-19247	20



906	Nanostructured Electrode Materials for Advanced Sodium-Ion Batteries. <b>2019</b> , 1, 90-114	159
905	Theoretical Investigation of V3C2 MXene as Prospective High-Capacity Anode Material for Metal-Ion (Li, Na, K, and Ca) Batteries. <b>2019</b> , 123, 18207-18214	46
904	Multiple Active Sites of Carbon for High-Rate Surface-Capacitive Sodium-Ion Storage. <b>2019</b> , 58, 13584-13589	56
903	Recent Advances in Aerosol-Assisted Spray Processes for the Design and Fabrication of Nanostructured Metal Chalcogenides for Sodium-Ion Batteries. <b>2019</b> , 14, 3127-3140	16
902	Multiple Competing Magnetic Interactions in Na4Ni7(PO4)6. <b>2019</b> , 123, 19828-19834	
901	Engineering the trap effect of residual oxygen atoms and defects in hard carbon anode towards high initial Coulombic efficiency. <b>2019</b> , 64, 103937	57
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899	Multiple Active Sites of Carbon for High-Rate Surface-Capacitive Sodium-Ion Storage. <b>2019</b> , 131, 13718-13723	20
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885	Water-in-Salt Electrolyte Promotes High-Capacity FeFe(CN) Cathode for Aqueous Al-Ion Battery. <b>2019</b> , 11, 41356-41362	51
884	Hierarchical Nanostructured NiS/MoS <sub>2</sub> /C Composite Hollow Spheres for High Performance Sodium-Ion Storage Performance. <b>2019</b> , 11, 41222-41228	23
883	Electrochemistry of Rechargeable Batteries Beyond Lithium-Based Systems. <b>2019</b> , 1-66	
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881	Oxygen Functional Group Modification of Cellulose-Derived Hard Carbon for Enhanced Sodium Ion Storage. <b>2019</b> , 7, 18554-18565	31
880	Highly Electrochemically-Reversible Mesoporous Na FePO <sub>4</sub> /C as Cathode Material for High-Performance Sodium-Ion Batteries. <b>2019</b> , 15, e1903723	16
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875	First principles study of alkali and alkaline earth metal ions adsorption and diffusion on penta-graphene. <b>2019</b> , 342, 115062	11
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866	Uniform Carbon Coated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> O <sub>2</sub> ·xH <sub>2</sub> O Nanoparticles for Sodium Ion Batteries as Cathode. <b>2019</b> , 7, 18826-18834	11
865	Synthesis and Operando Sodiation Mechanistic Study of Nitrogen-Doped Porous Carbon Coated Bimetallic Sulfide Hollow Nanocubes as Advanced Sodium Ion Battery Anode. <b>2019</b> , 9, 1902312	44
864	Unraveling Processing-Structure-Electrical Conductivity Relationships of NaCrO <sub>2</sub> Cathodes for Na-Ion Batteries. <b>2019</b> , 166, A3546-A3553	2
863	Tuning of Na <sup>+</sup> Concentration in an Ionic Liquid Electrolyte to Optimize Solid-Electrolyte Interphase at Microplasma-Synthesized Graphene Anode for Na-Ion Batteries. <b>2019</b> , 7, 16682-16689	11
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859	Enhancing the Electrochemical Performance of SbTe Bimetallic Anodes for High-Performance Sodium-Ion Batteries: Roles of the Binder and Carbon Support Matrix. <b>2019</b> , 9,	6
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854	Pillar[5]quinone-Carbon Nanocomposites as High-Capacity Cathodes for Sodium-Ion Batteries. <b>2019</b> , 31, 8069-8075	57
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849	Improvement of Hard Carbon Electrode Performance by Manipulating SEI Formation at High Charging Rates. <b>2019</b> , 11, 34796-34804		16
848	Calcination effect on particle morphologies and electrochemical performances of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C composites as cathode for sodium-ion batteries. <b>2019</b> , 16, 1856-1863		2
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844	Cross-linked beta alumina nanowires with compact gel polymer electrolyte coating for ultra-stable sodium metal battery. <b>2019</b> , 10, 4244		128
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837	Cellular carbon-wrapped FeSe <sub>2</sub> nanocavities with ultrathin walls and multiple rooms for ion diffusion-confined ultrafast sodium storage. <b>2019</b> , 7, 4469-4479		67
836	A high energy-density P2-Na[NiCoMn]O cathode with mitigated P2-O <sub>2</sub> transition for sodium-ion batteries. <b>2019</b> , 11, 2787-2794		23
835	Investigation of K modified P2 Na <sub>0.7</sub> Mn <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>2</sub> as a cathode material for sodium-ion batteries. <b>2019</b> , 21, 172-181		10

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827	Water-Processable P2-Na <sub>0.67</sub> Ni <sub>0.22</sub> Cu <sub>0.11</sub> Mn <sub>0.56</sub> Ti <sub>0.11</sub> O <sub>2</sub> Cathode Material for Sodium Ion Batteries. <b>2019</b> , 166, A251-A257	17
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817	Recent developments in electrode materials for potassium-ion batteries. <b>2019</b> , 7, 4334-4352	155

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813	The synthesis and electrochemical applications of core-shell MOFs and their derivatives. <b>2019</b> , 7, 15519-15540	70
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811	In Situ Formation of a Stable Interface in Solid-State Batteries. <b>2019</b> , 4, 1650-1657	58
810	Enhancing the electrochemical performance of an O <sub>3</sub> NaCrO <sub>2</sub> cathode in sodium-ion batteries by cation substitution. <b>2019</b> , 435, 226760	14
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779	A Non-aqueous H <sub>3</sub> PO <sub>4</sub> Electrolyte Enables Stable Cycling of Proton Electrodes. <b>2020</b> , 132, 22191-22195	7
778	Spinel-Layered Intergrowth Composite Cathodes for Sodium-Ion Batteries. <b>2020</b> , 12, 45997-46004	12
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269	Stabilizing Microsized Sn Anodes for Na-Ion Batteries with Extended Ether Electrolyte Chemistry.	1
268	Progress in electrolyte and interface of hard carbon and graphite anode for sodium-ion battery.	9
267	Porous carbons for energy storage and conversion. <b>2022</b> , 239-540	
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260	High-energy sodium-ion hybrid capacitors through nanograin-boundary-induced pseudocapitance of Co <sub>3</sub> O <sub>4</sub> nanorods. <b>2022</b> ,	0
259	Engineering sodium metal anode with sodiophilic bismuthide penetration for dendrite-free and high-rate sodium-ion battery. <b>2022</b> ,	2

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