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Sodium ion insertion in hollow carbon nanowires for battery applications

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1428	Chemically Presodiated Hard Carbon Anodes with Enhanced Initial Coulombic Efficiencies for High-Energy Sodium Ion Batteries.		
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1423	Revealing the Sodium Storage Mechanism in High-Temperature-Synthesized Silicon Oxycarbides.		
1422	Smaller sulfur molecules promise better lithium-sulfur batteries. <b>2012</b> , 134, 18510-3		1317
1421	Single-step scalable conversion of waste natural oils to carbon nanowhiskers and their interaction with mammalian cells. <b>2013</b> , 15, 1		10
1420	Update on Na-based battery materials. A growing research path. <b>2013</b> , 6, 2312		781
1419	Recent advances in polyaniline research: Polymerization mechanisms, structural aspects, properties and applications. <b>2013</b> , 177, 1-47		535
1418	Room-temperature stationary sodium-ion batteries for large-scale electric energy storage. <b>2013</b> , 6, 2338		2419
1417	Carbon nanofibers derived from cellulose nanofibers as a long-life anode material for rechargeable sodium-ion batteries. <b>2013</b> , 1, 10662		309
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1414	Nanocrystalline anatase TiO <sub>2</sub> : a new anode material for rechargeable sodium ion batteries. <b>2013</b> , 49, 8973-5		320
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1408	A computational study of the insertion of Li, Na, and Mg atoms into Si(111) nanosheets. <b>2013</b> , 2, 1149-1157	68
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1258	Ordered-mesoporous Nb <sub>2</sub> O <sub>5</sub> /carbon composite as a sodium insertion material. <b>2015</b> , 16, 62-70	104
1257	Three-dimensional hierarchical nitrogen-doped arch and hollow nanocarbons: morphological influences on supercapacitor applications. <b>2015</b> , 3, 16242-16250	51
1256	Dual hetero atom containing bio-carbon: Multifunctional electrode material for High Performance Sodium-ion Batteries and Oxygen Reduction Reaction. <b>2015</b> , 176, 670-678	18
1255	Update on anode materials for Na-ion batteries. <b>2015</b> , 3, 17899-17913	341
1254	Intertwined Cu <sub>3</sub> V <sub>2</sub> O <sub>7</sub> (OH) <sub>2</sub> ·2H <sub>2</sub> O nanowires/carbon fibers composite: A new anode with high rate capability for sodium-ion batteries. <b>2015</b> , 294, 193-200	25
1253	Improving the Anode Performance of WS <sub>2</sub> through a Self-Assembled Double Carbon Coating. <b>2015</b> , 119, 15874-15881	80
1252	Important Role of Functional Groups for Sodium Ion Intercalation in Expanded Graphite. <b>2015</b> , 27, 5402-5406	62
1251	Electrochemical performance of hard carbon negative electrodes for ionic liquid-based sodium ion batteries over a wide temperature range. <b>2015</b> , 176, 344-349	55
1250	ZnSb/C composite anode in additive free electrolyte for sodium ion batteries. <b>2015</b> , 159, 349-352	17

1249	Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C nanocomposite synthesized via pre-reduction process as high-performance cathode material for sodium-ion batteries. <b>2015</b> , 646, 170-174	39
1248	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
1247	Effects of binders on electrochemical performance of nitrogen-doped carbon nanotube anode in sodium-ion battery. <b>2015</b> , 174, 970-977	70
1246	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
1245	Nonflammable electrolyte for safer non-aqueous sodium batteries. <b>2015</b> , 3, 14539-14544	45
1244	Dopamine derived nitrogen-doped carbon sheets as anode materials for high-performance sodium ion batteries. <b>2015</b> , 91, 88-95	161
1243	Vanadium-based polyoxometalate as new material for sodium-ion battery anodes. <b>2015</b> , 288, 270-277	61
1242	Antimony nanoparticles anchored on interconnected carbon nanofibers networks as advanced anode material for sodium-ion batteries. <b>2015</b> , 284, 227-235	94
1241	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
1240	Graphene nanosheets, carbon nanotubes, graphite, and activated carbon as anode materials for sodium-ion batteries. <b>2015</b> , 3, 10320-10326	180
1239	Electrospun materials for lithium and sodium rechargeable batteries: from structure evolution to electrochemical performance. <b>2015</b> , 8, 1660-1681	326
1238	An Amorphous Carbon Nitride Composite Derived from ZIF-8 as Anode Material for Sodium-Ion Batteries. <b>2015</b> , 8, 1856-61	76
1237	Gelatin-pyrolyzed mesoporous carbon as a high-performance sodium-storage material. <b>2015</b> , 3, 7849-7854	87
1236	Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C composite as the intercalation-type anode material for sodium-ion batteries with superior rate capability and long-cycle life. <b>2015</b> , 3, 8636-8642	81
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1234	Sn-doped TiO <sub>2</sub> nanotubes as superior anode materials for sodium ion batteries. <b>2015</b> , 51, 8261-4	116
1233	Ab initio study of sodium intercalation into disordered carbon. <b>2015</b> , 3, 9763-9768	162
1232	Flexible membranes of MoS <sub>2</sub> /C nanofibers by electrospinning as binder-free anodes for high-performance sodium-ion batteries. <b>2015</b> , 5, 9254	235

1231	Beyond Li-ion: electrode materials for sodium- and magnesium-ion batteries. <b>2015</b> , 58, 715-766	203
1230	An unexpected large capacity of ultrafine manganese oxide as a sodium-ion battery anode. <b>2015</b> , 7, 20075-81	34
1229	A Preliminary Study on Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> as a Novel Electrode Material for Calcium Ion Batteries. <b>2015</b> , 1120-1121, 119-122	2
1228	Potassium Ion Batteries with Graphitic Materials. <i>Nano Letters</i> , <b>2015</b> , 15, 7671-7	11.5 680
1227	Uniform yolk-shell iron sulfide-carbon nanospheres for superior sodium-iron sulfide batteries. <b>2015</b> , 6, 8689	322
1226	Composite of K-doped (NH <sub>4</sub> ) <sub>2</sub> V <sub>3</sub> O <sub>8</sub> /graphene as an anode material for sodium-ion batteries. <b>2015</b> , 44, 18864-9	14
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1223	A high performance sulfur-doped disordered carbon anode for sodium ion batteries. <b>2015</b> , 8, 2916-2921	429
1222	Lattice Breathing Inhibited Layered Vanadium Oxide Ultrathin Nanobelts for Enhanced Sodium Storage. <b>2015</b> , 7, 18211-7	76
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1218	Chemically Crushed Wood Cellulose Fiber towards High-Performance Sodium-Ion Batteries. <b>2015</b> , 7, 23291-6	101
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1215	Sandwich-like cobalt sulfide/graphene composite as an anode material with excellent electrochemical performance for sodium ion batteries. <b>2015</b> , 5, 71644-71651	66
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1210	Enhanced cycling performances of hollow Sn compared to solid Sn in Na-ion battery. <b>2015</b> , 180, 227-233	36
1209	A phosphorene-graphene hybrid material as a high-capacity anode for sodium-ion batteries. <b>2015</b> , 10, 980-5	1114
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1204	A type of sodium-ion full-cell with a layered NaNi <sub>0.5</sub> Ti <sub>0.5</sub> O <sub>2</sub> cathode and a pre-sodiated hard carbon anode. <b>2015</b> , 5, 106519-106522	61
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1201	Trash to Treasure: From Harmful Algal Blooms to High-Performance Electrodes for Sodium-Ion Batteries. <b>2015</b> , 49, 12543-50	72
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1174	A Hierarchical N/S-Codoped Carbon Anode Fabricated Facilely from Cellulose/Polyaniline Microspheres for High-Performance Sodium-Ion Batteries. <b>2016</b> , 6, 1501929	378
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1158	Interconnected foams of helical carbon nanofibers grown with ultrahigh yield for high capacity sodium ion battery anodes. <b>2016</b> , 107, 109-115	21
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1090	Porous heterostructured MXene/carbon nanotube composite paper with high volumetric capacity for sodium-based energy storage devices. <b>2016</b> , 26, 513-523	505
1089	Carbon-coated rutile titanium dioxide derived from titanium-metal organic framework with enhanced sodium storage behavior. <b>2016</b> , 325, 25-34	70
1088	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

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1085	Scalable synthesis of self-standing sulfur-doped flexible graphene films as recyclable anode materials for low-cost sodium-ion batteries. <b>2016</b> , 107, 67-73	89
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743	Rice husk-derived hard carbons as high-performance anode materials for sodium-ion batteries. <b>2018</b> , 127, 658-666	204
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738	Chemically activated hollow carbon nanospheres as a high-performance anode material for potassium ion batteries. <b>2018</b> , 6, 24317-24323	129
737	Biomass Derived N-doped Carbon Nanoworm for Improved Sodium-ion in Battery Anode. <b>2018</b> , 5, 23358-23361	
736	Na-Ion Storage Behaviors of Quadrangular Herringbone-Carbon Nanotubes in Ether- and Ester-Based Electrolyte Systems. <b>2018</b> , 6, 17184-17193	9
735	Layered-Structure SbPO/Reduced Graphene Oxide: An Advanced Anode Material for Sodium Ion Batteries. <b>2018</b> , 12, 12869-12878	60
734	Two-Dimensional Unilamellar Cation-Deficient Metal Oxide Nanosheet Superlattices for High-Rate Sodium Ion Energy Storage. <b>2018</b> , 12, 12337-12346	83
733	Marriage of an Ether-Based Electrolyte with Hard Carbon Anodes Creates Superior Sodium-Ion Batteries with High Mass Loading. <b>2018</b> , 10, 41380-41388	44
732	Controlled Synthesis of FeSe <sub>2</sub> Nanoflakes Toward Advanced Sodium Storage Behavior Integrated with Ether-Based Electrolyte. <b>2018</b> , 13, 1850141	4
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730	Ultraviolet Irradiation Treatment for Enhanced Sodium Storage Performance Based on Wide-Interlayer-Spacing Hollow C@MoS@CN Nanospheres. <b>2018</b> , 10, 38084-38092	24
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716	N-Rich carbon-coated CoS ultrafine nanocrystals derived from ZIF-67 as an advanced anode for sodium-ion batteries. <b>2018</b> , 10, 18786-18794	70
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157	Fabrication and testing of sodium-ion full cell with P2-Na <sub>0.67</sub> Ni <sub>0.167</sub> Co <sub>0.167</sub> Mn <sub>0.67</sub> O <sub>2</sub> (Na-NCM) and hard carbon in coin cell and 2 Ah prismatic cell configuration. <b>2021</b> ,	
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144	An Overview of Graphene-Based 2D/3D Nanostructures for Photocatalytic Applications. 1	0
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121	Sodium Storage Mechanism of Nongraphitic Carbons: A General Model and the Function of Accessible Closed Pores.	1
120	Recent Advances in Biomass-Derived Carbon Materials for Sodium-Ion Energy Storage Devices.. <b>2022</b> , 12,	0
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99	Gradient Supramolecular Preorganization Endows the Derived N/P Dual-Doped Carbon Nanosheets with Tunable Storage Performance toward Sodium-Ion Batteries.	0
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95	Replacing Alkyl with Aryl for inducing accessible channels to closed pores as plateau-dominated sodium-ion battery anode.	2
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91	Vanadium-modified hard carbon spheres with sufficient pseudographitic domains as high-performance anode for sodium-ion batteries.	1
90	Understanding of the sodium storage mechanism in hard carbon anodes.	12
89	Hard carbon derived from hazelnut shell with facile HCl treatment as high-initial-coulombic-efficiency anode for sodium ion batteries. <b>2022</b> , e00446	0
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87	Recent Advances in Carbon Anodes for Sodium-Ion Batteries.	3
86	Advances in Carbon Materials for Sodium and Potassium Storage. 2203117	10
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83	Assessment on the Stable and High-Capacity Na-Se Batteries with Carbonate Electrolytes.	
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76	Advances and Challenges in Metal Selenides Enabled by Nanostructures for Electrochemical Energy Storage Applications.	0
75	Multi-scale structure optimization of boron-doped hard carbon nanospheres boosting plateau capacity for high performance sodium ion battery.	1
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70	Effect of ultramicropores and inner space of carbon materials on the capacitive sodium storage performance. <b>2022</b> , 73, 35-40	
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- 44 Mechanism of Efficient Adsorption of Na Atoms on Electron-Deficient Doped MoS<sub>2</sub> for Battery Electrodes. **2022**, 18, 1 1

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41	P-Doped Cotton Stalk Carbon for High-Performance Lithium-Ion Batteries and Lithium Sulfur Batteries. <b>2022</b> , 38, 11610-11620	1
40	Materials synthesis for Na-ion batteries. <b>2022</b> ,	0
39	Structural engineering of bimetallic selenides for high-energy density sodium-ion half/full batteries.	1
38	Hard Carbons as Anodes in Sodium-Ion Batteries: Sodium Storage Mechanism and Optimization Strategies. <b>2022</b> , 27, 6516	0
37	Is There a Ready Recipe for Hard Carbon Electrode Engineering to Enhance Na-Ion Battery Performance?. <b>2022</b> , 5, 12373-12387	0
36	Edge-Nitrogen Enriched Porous Carbon Nanosheets Anodes with Enlarged Interlayer Distance for Fast Charging Sodium-Ion Batteries. 2204375	0
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29	Biomass-derived hard carbon microtubes with tunable apertures for high-performance sodium-ion batteries.	0
28	A Novel Membrane-like 2D AlMoS <sub>2</sub> as Anode for Lithium- and Sodium-Ion Batteries. <b>2022</b> , 12, 1156	0
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