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High-capacity antimony sulphide nanoparticle-decorated graphene composite as anode for sodium-ion batteries

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#	Paper	IF	Citations
448	SnS <sub>2</sub> nanoplatelet@graphene nanocomposites as high-capacity anode materials for sodium-ion batteries. <b>2014</b> , 9, 1611-7		157
447	Comparative electrochemical sodium insertion/extraction behavior in layered Na <sub>x</sub> VS <sub>2</sub> and Na <sub>x</sub> TiS <sub>2</sub> . <i>Electrochimica Acta</i> , <b>2014</b> , 143, 272-277	6.7	27
446	Reversible conversion-alloying of Sb <sub>2</sub> O <sub>3</sub> as a high-capacity, high-rate, and durable anode for sodium ion batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 19449-55	9.5	129
445	Nanocrystalline tin disulfide coating of reduced graphene oxide produced by the peroxostannate deposition route for sodium ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 8431	13	104
444	Li- and Na-reduction products of meso-Co <sub>3</sub> O <sub>4</sub> form high-rate, stably cycling battery anode materials. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 14209-14221	13	42
443	A tin(II) sulfide-carbon anode material based on combined conversion and alloying reactions for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16424-16428	13	118
442	Enhanced sodium-ion battery performance by structural phase transition from two-dimensional hexagonal-SnS <sub>2</sub> to orthorhombic-SnS. <i>ACS Nano</i> , <b>2014</b> , 8, 8323-33	16.7	534
441	High-capacity anode materials for sodium-ion batteries. <b>2014</b> , 20, 11980-92		442
440	High-performance sodium-ion batteries and sodium-ion pseudocapacitors based on MoS <sub>2</sub> /graphene composites. <b>2014</b> , 20, 9607-12		181
439	Facile, one-pot solvothermal method to synthesize ultrathin Sb <sub>2</sub> S <sub>3</sub> nanosheets anchored on graphene. <b>2014</b> , 43, 13948-56		20
438	An SbO <sub>x</sub> /Reduced Graphene Oxide Composite as a High-Rate Anode Material for Sodium-Ion Batteries. <b>2014</b> , 118, 23527-23534		93
437	Layered SnS <sub>2</sub> -reduced graphene oxide composite--a high-capacity, high-rate, and long-cycle life sodium-ion battery anode material. <i>Advanced Materials</i> , <b>2014</b> , 26, 3854-9	24	679
436	Sodium/Lithium storage behavior of antimony hollow nanospheres for rechargeable batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 16189-96	9.5	170
435	An Organic Pigment as a High-Performance Cathode for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1400554	21.8	280
434	Excitons in one-dimensional van der Waals materials: Sb <sub>2</sub> S <sub>3</sub> nanoribbons. <b>2015</b> , 92,		21
433	In Situ Carbon-Doped Mo(S <sub>0.85</sub> Se <sub>0.15</sub> ) <sub>2</sub> Hierarchical Nanotubes as Stable Anodes for High-Performance Sodium-Ion Batteries. <i>Small</i> , <b>2015</b> , 11, 5667-74	11	89
432	Synthesis of Binary Sb <sub>2</sub> E <sub>3</sub> (E = S, Se) and Ternary Sb <sub>2</sub> (S,Se) <sub>3</sub> Nanowires Using Tailor-Made Single-Source Precursors. <b>2015</b> , 2015, 2407-2415		10

431	3D Networked Tin Oxide/Graphene Aerogel with a Hierarchically Porous Architecture for High-Rate Performance Sodium-Ion Batteries. <b>2015</b> , 8, 2948-55		63
430	Flexible and Binder-Free Electrodes of Sb/rGO and Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /rGO Nanocomposites for Sodium-Ion Batteries. <i>Small</i> , <b>2015</b> , 11, 3822-9	11	164
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427	High rate capability and superior cycle stability of a flower-like Sb <sub>2</sub> S <sub>3</sub> anode for high-capacity sodium ion batteries. <b>2015</b> , 7, 3309-15		137
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424	3D MoS <sub>2</sub> /Graphene Microspheres Consisting of Multiple Nanospheres with Superior Sodium Ion Storage Properties. <b>2015</b> , 25, 1780-1788		436
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418	Porous NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanocubes: a high-rate nonaqueous sodium anode material with more than 10 000 cycle life. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 18718-18726	13	69
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314	Nontopotactic Reaction in Highly Reversible Sodium Storage of Ultrathin Co Se /rGO Hybrid Nanosheets. <i>Small</i> , <b>2017</b> , 13, 1603980	11	34
313	Large-scale synthesis of highly uniform Fe <sub>1-x</sub> S nanostructures as a high-rate anode for sodium ion batteries. <b>2017</b> , 37, 81-89		137
312	Research and application progress on key materials for sodium-ion batteries. <b>2017</b> , 1, 986-1006		55
311	Facile synthesis of phase-pure Sb <sub>8</sub> O <sub>11</sub> Cl <sub>2</sub> microrods as anode materials for sodium-ion batteries with high capacity. <b>2017</b> , 23, 3197-3202		4
310	Porous FeS nanofibers with numerous nanovoids obtained by Kirkendall diffusion effect for use as anode materials for sodium-ion batteries. <i>Nano Research</i> , <b>2017</b> , 10, 897-907	10	115
309	Controlled synthesis of Mo-doped Ni <sub>3</sub> S <sub>2</sub> nano-rods: an efficient and stable electro-catalyst for water splitting. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1595-1602	13	108
308	Nanocrystalline SnS coated onto reduced graphene oxide: demonstrating the feasibility of a non-graphitic anode with sulfide chemistry for potassium-ion batteries. <b>2017</b> , 53, 8272-8275		164
307	Challenges and Perspectives for NASICON-Type Electrode Materials for Advanced Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700431	24	346
306	Nanostructured Na-ion and Li-ion anodes for battery application: A comparative overview. <i>Nano Research</i> , <b>2017</b> , 10, 3942-3969	10	63

305	Advances and Challenges in Metal Sulfides/Selenides for Next-Generation Rechargeable Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700606	24	569
304	ZnS-SbS@C Core-Double Shell Polyhedron Structure Derived from Metal-Organic Framework as Anodes for High Performance Sodium Ion Batteries. <i>ACS Nano</i> , <b>2017</b> , 11, 6474-6482	16.7	255
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302	Carbon coated anatase TiO <sub>2</sub> mesocrystals enabling ultrastable and robust sodium storage. <b>2017</b> , 359, 64-70		40
301	Yolk-shell-structured (Fe <sub>0.5</sub> Ni <sub>0.5</sub> ) <sub>9</sub> S <sub>8</sub> solid-solution powders: Synthesis and application as anode materials for Na-ion batteries. <i>Nano Research</i> , <b>2017</b> , 10, 3178-3188	10	39
300	Tin Sulfide-Based Nanohybrid for High-Performance Anode of Sodium-Ion Batteries. <i>Small</i> , <b>2017</b> , 13, 1700767	11	25
299	Crystalline In <sub>8</sub> S <sub>8</sub> framework for highly-performed lithium/sodium storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 14198-14205	13	17
298	Novel Methods for Sodium-Ion Battery Materials. <b>2017</b> , 1, 1600063		70
297	A flexible symmetric sodium full cell constructed using the bipolar material Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> . <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 8440-8450	13	48
296	Protrusions or Holes in graphene: which is the better choice for sodium ion storage?. <b>2017</b> , 10, 979-986		140
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292	Mechanism of Capacity Fade in Sodium Storage and the Strategies of Improvement for FeS Anode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 1536-1541	9.5	68
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289	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. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1602149	21.8	125
288	Synergic effect of Bi, Sb and Te for the increased stability of bulk alloying anodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 23198-23208	13	21

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283	Graphene-induced growth of single crystalline Sb <sub>2</sub> MoO <sub>6</sub> sheets and their sodium storage performance. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 21328-21333	13	22
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281	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
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198	Enhanced electrochemical stability of carbon-coated antimony nanoparticles with sodium alginate binder for sodium-ion batteries. <b>2018</b> , 28, 205-211		15



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195	In-situ gas reduction in reversible SnS-SnO <sub>2</sub> @N-doped graphene anodes for high-rate and lasting lithium storage. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 769, 1007-1018	5.7	12
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192	Materials Based on Antimony and Bismuth for Sodium Storage. <b>2018</b> , 24, 13719-13727		57
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190	Dual carbon-protected metal sulfides and their application to sodium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13294-13301	13	46
189	SnS/SnO heterostructures embedded in porous carbon microcages by boosting charge transfer for enhanced sodium-ion storage. <b>2018</b> , 33, 548-554		8
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185	Unraveling the Origins of the Unreactive Core in Conversion Electrodes to Trigger High Sodium-Ion Electrochemistry. <b>2019</b> , 4, 2007-2012		25
184	Rate-independent and ultra-stable low-temperature sodium storage in pseudocapacitive TiO <sub>2</sub> nanowires. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 19297-19304	13	11
183	Manipulating irreversible phase transition of NaCrO towards an effective sodium compensation additive for superior sodium-ion full cells. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 553, 524-529	9.3	15
182	Level the Conversion/Alloying Voltage Gap by Grafting the Endogenetic SbTe Building Block into Layered GeTe to Build GeSbTe for Li-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 41374-41382	9.5	8
181	Boosting High-Rate Sodium Storage Performance of N-Doped Carbon-Encapsulated Na V (PO) Nanoparticles Anchoring on Carbon Cloth. <i>Small</i> , <b>2019</b> , 15, e1902432	11	35
180	Graphene and Graphene-Based Hybrid Composites for Advanced Rechargeable Battery Electrodes. <b>2019</b> , 147-196		

179	Enabling Full Conversion Reaction with High Reversibility to Approach Theoretical Capacity for Sodium Storage. <b>2019</b> , 29, 1906680		18
178	A highly Meso@Microporous carbon-supported Antimony sulfide nanoparticles coated by conductive polymer for high-performance lithium and sodium ion batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 321, 134699	6.7	17
177	Improving Amorphous Carbon Anodes for Na Ion Batteries by Surface Treatment of a Presodiated Electrode with AlO. <b>2019</b> , 35, 11670-11678		9
176	Ti-based electrode materials for electrochemical sodium ion storage and removal. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 22163-22188	13	38
175	A black phosphorus/TiC MXene nanocomposite for sodium-ion batteries: a combined experimental and theoretical study. <b>2019</b> , 11, 19862-19869		30
174	Stibium: A Promising Electrode toward Building High-Performance Na-Ion Full-Cells. <b>2019</b> , 5, 3096-3126		15
173	Amorphous SbS Nanospheres In-Situ Grown on Carbon Nanotubes: Anodes for NIBs and KIBs. <b>2019</b> , 9,		14
172	Design strategies in metal chalcogenides anode materials for high-performance sodium-ion battery. <b>2019</b> , 12, 114-128		35
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170	Sulfur, Nitrogen Dual Doped Reduced Graphene Oxide Supported Two-Dimensional Sb <sub>2</sub> S <sub>3</sub> Nanostructures for the Anode Material of Sodium-Ion Battery. <b>2019</b> , 4, 6679-6686		13
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165	Sulfur-Doped Anatase TiO <sub>2</sub> as an Anode for High-Performance Sodium-Ion Batteries. <b>2019</b> , 2, 3791-3797		28
164	Schwefel-basierte Elektroden mit Mehrelektronenreaktionen für Raumtemperatur-Natriumionenspeicherung. <b>2019</b> , 131, 18490-18504		8
163	Natural stibnite ore (SbS) embedded in sulfur-doped carbon sheets: enhanced electrochemical properties as anode for sodium ions storage.. <b>2019</b> , 9, 15210-15216		25
162	Sulfur-Based Electrodes that Function via Multielectron Reactions for Room-Temperature Sodium-Ion Storage. <b>2019</b> , 58, 18324-18337		46

161	Confined annealing-induced transformation of tin oxide into sulfide for sodium storage applications. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 11877-11885	13	16
160	Graphitic Carbon Nitride (g-C <sub>3</sub> N <sub>4</sub> )-Derived N-Rich Graphene with Tuneable Interlayer Distance as a High-Rate Anode for Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901261	24	232
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157	Rational design of Sn-Sb-S composite with yolk-shell hydrangea-like structure as advanced anode material for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 793, 620-626	5.7	12
156	High Potential of Aerosol-Made 3D Graphene-Based Composites for Enhanced Energy Storage. <b>2019</b> , 40, e1800832		2
155	Nitrogen-Doped Carbon-Encapsulated Antimony Sulfide Nanowires Enable High Rate Capability and Cyclic Stability for Sodium-Ion Batteries. <b>2019</b> , 2, 1457-1465		32
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153	Submicron-sized Sb <sub>2</sub> O <sub>3</sub> with hierarchical structure as high-performance anodes for Na-ion storage. <b>2019</b> , 43, 6561-6565		10
152	Carbon-Based Alloy-Type Composite Anode Materials toward Sodium-Ion Batteries. <i>Small</i> , <b>2019</b> , 15, e1900628	10	30
151	Monodisperse multicore-shell SnSb@SnOx/SbOx@C nanoparticles space-confined in 3D porous carbon networks as high-performance anode for Li-ion and Na-ion batteries. <b>2019</b> , 371, 356-365		38
150	Suppressed the High-Voltage Phase Transition of P2-Type Oxide Cathode for High-Performance Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 14848-14853	9.5	40
149	An ion-conducting SnSbSnS <sub>2</sub> hybrid coating for commercial activated carbons enabling their use as high performance anodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 10761-10768	13	18
148	Multi-shell hollow structured Sb <sub>2</sub> S <sub>3</sub> for sodium-ion batteries with enhanced energy density. <b>2019</b> , 60, 591-599		100
147	Nano-sized MoO <sub>2</sub> spheres interspersed three-dimensional porous carbon composite as advanced anode for reversible sodium/potassium ion storage. <i>Electrochimica Acta</i> , <b>2019</b> , 307, 293-301	6.7	63
146	Multiscale Graphene-Based Materials for Applications in Sodium Ion Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803342	21.8	146
145	Recent Progress of Layered Transition Metal Oxide Cathodes for Sodium-Ion Batteries. <i>Small</i> , <b>2019</b> , 15, e1805381	11	154
144	Rod-Like Sb <sub>2</sub> MoO <sub>6</sub> : Structure Evolution and Sodium Storage for Sodium-Ion Batteries. <b>2019</b> , 3, 1800533		18

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142	In Situ Alloying Strategy for Exceptional Potassium Ion Batteries. <i>ACS Nano</i> , <b>2019</b> , 13, 3703-3713	16.7	141
141	Nitrogen and phosphorus co-doped 3D hierarchical porous carbon network with highly-reversible performance in sodium storage. <b>2019</b> , 45, 24500-24507		9
140	Size-controlled excitonic effects on electronic and optical properties of SbS nanowires. <b>2019</b> , 21, 26515-26524	3	
139	Vanadium Dioxide for Li- and Na-Ion Storage. <i>Springer Theses</i> , <b>2019</b> , 51-73	0.1	
138	Ultrafine ZnS quantum dots decorated reduced graphene oxide composites derived from ZIF-8/graphene oxide hybrids as anode for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 781, 450-459	5.7	19
137	Hierarchical assembly and superior lithium/sodium storage properties of a flowerlike C/SnS@C nanocomposite. <i>Electrochimica Acta</i> , <b>2019</b> , 296, 891-900	6.7	34
136	Investigation of electrochemical reaction mechanism for antimony selenide nanocomposite for sodium-ion battery electrodes. <b>2019</b> , 49, 207-216		11
135	Ultrathin Sb <sub>2</sub> S <sub>3</sub> nanosheet anodes for exceptional pseudocapacitive contribution to multi-battery charge storage. <b>2019</b> , 20, 36-45		42
134	Rational synthesis of ternary FeS@TiO <sub>2</sub> @C nanotubes as anode for superior Na-ion batteries. <b>2019</b> , 359, 765-774		43
133	Carbon Nanofiber Elastically Confined Nanoflowers: A Highly Efficient Design for Molybdenum Disulfide-Based Flexible Anodes Toward Fast Sodium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 5183-5192	9.5	34
132	Recent progress in the design of metal sulfides as anode materials for sodium ion batteries. <b>2019</b> , 22, 66-95		96
131	Sb <sub>2</sub> S <sub>3</sub> added bio-carbon: Demonstration of potential anode in lithium and sodium-ion batteries. <i>Carbon</i> , <b>2019</b> , 144, 772-780	10.4	34
130	A P2/P3 composite layered cathode for high-performance Na-ion full batteries. <b>2019</b> , 55, 143-150		85
129	Nitrogen/sulfur dual-doping of reduced graphene oxide harvesting hollow ZnSnS <sub>3</sub> nano-microcubes with superior sodium storage. <b>2019</b> , 57, 414-423		151
128	Antimony Nanorod Encapsulated in Cross-Linked Carbon for High-Performance Sodium Ion Battery Anodes. <b>2019</b> , 19, 538-544		81
127	Mussel-Inspired Nitrogen-Doped Porous Carbon as Anode Materials for Sodium-Ion Batteries. <b>2019</b> , 7, 1800763		7
126	Sb <sub>2</sub> S <sub>3</sub> -rGO for high-performance sodium-ion battery anodes on Al and Cu foil current collector. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 775, 549-553	5.7	22

125	Hetero-interface constructs ion reservoir to enhance conversion reaction kinetics for sodium/lithium storage. <b>2019</b> , 18, 107-113		70
124	Superior sodium-storage behavior of flexible anatase TiO <sub>2</sub> promoted by oxygen vacancies. <b>2020</b> , 25, 903-911		73
123	Sb <sub>2</sub> S <sub>3</sub> nanocrystals embedded in multichannel N-doped carbon nanofiber for ultralong cycle life sodium-ion batteries. <b>2020</b> , 240, 122139		22
122	Large and reversible sodium storage through interlaced reaction design. <b>2020</b> , 25, 687-694		5
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120	Hierarchical N-doping germanium/carbon nanofibers as anode for high-performance lithium-ion and sodium-ion batteries. <b>2020</b> , 31, 015402		14
119	Facile synthesis of ZnS nanoparticles decorated on defective CNTs with excellent performances for lithium-ion batteries anode material. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 816, 152633	5.7	19
118	Fe <sub>7</sub> Se <sub>8</sub> nanoparticles anchored on N-doped carbon nanofibers as high-rate anode for sodium-ion batteries. <b>2020</b> , 24, 439-449		66
117	3D porous Sb-Co nanocomposites as advanced anodes for sodium-ion batteries and potassium-ion batteries. <i>Applied Surface Science</i> , <b>2020</b> , 499, 143907	6.7	27
116	Crystalline Sb or Bi in amorphous Ti-based oxides as anode materials for sodium storage. <b>2020</b> , 380, 122624		15
115	Electrochemical Performance Optimization of Layered P2-Type Na <sub>0.67</sub> MnO <sub>2</sub> through Simultaneous Mn-Site Doping and Nanostructure Engineering. <b>2020</b> , 3, 147-154		13
114	Manipulating 2D Few-Layer Metal Sulfides as Anode Towards Enhanced Sodium-Ion Batteries. <b>2020</b> , 3, 236-253		12
113	Hydroperoxo double hydrogen bonding: stabilization of hydroperoxo complexes exemplified by triphenylsilicon and triphenylgermanium hydroperoxides. <b>2020</b> , 22, 1922-1928		3
112	Heteroatom-doped carbon inlaid with Sb <sub>2</sub> X <sub>3</sub> (X = S, Se) nanodots for high-performance potassium-ion batteries. <b>2020</b> , 385, 123838		85
111	In situ synthesis and electrochemical properties of sawtooth-like Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> /K <sub>0.8</sub> Ti <sub>1.73</sub> Li <sub>0.27</sub> O <sub>4</sub> as anode material for lithium-ion batteries. <b>2020</b> , 856, 113637		0
110	An electro-deoxidation approach to co-converting antimony oxide/graphene oxide to antimony/graphene composite for sodium-ion battery anode. <i>Electrochimica Acta</i> , <b>2020</b> , 332, 135501	6.7	16
109	High loading FeS <sub>2</sub> nanoparticles anchored on biomass-derived carbon tube as low cost and long cycle anode for sodium-ion batteries. <b>2020</b> , 5, 50-58		34
108	Graphene-like C <sub>3</sub> N/blue phosphorene heterostructure as a potential anode material for Li/Na-ion batteries: A first principles study. <b>2020</b> , 345, 115160		14

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105	Synthesis and sodium storage performance of Sb porous nanostructure. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 846, 156369	5.7	3
104	In Situ Atomic-Scale Observation of Reversible Potassium Storage in Sb <sub>2</sub> S <sub>3</sub> @Carbon Nanowire Anodes. <b>2020</b> , 30, 2005417		41
103	A novel and fast method to prepare a Cu-supported Sb <sub>2</sub> S <sub>3</sub> @CuSbS binder-free electrode for sodium-ion batteries.. <b>2020</b> , 10, 29567-29574		11
102	Graphene-Like Carbon Film Wrapped Tin (II) Sulfide Nanosheet Arrays on Porous Carbon Fibers with Enhanced Electrochemical Kinetics as High-Performance Li and Na Ion Battery Anodes. <b>2020</b> , 7, 1903045		27
101	A SbS Nanoflower/MXene Composite as an Anode for Potassium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 57907-57915	9.5	44
100	Identification of Barium Hydroxo-Hydroperoxostannate Precursor for Low-Temperature Formation of Perovskite Barium Stannate. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 18358-18365	5.1	2
99	A Stable Conversion and Alloying Anode for Potassium-Ion Batteries: A Combined Strategy of Encapsulation and Confinement. <b>2020</b> , 30, 2001588		66
98	Electrodeposition of Versatile Nanostructured Sb/Sb <sub>2</sub> O <sub>3</sub> Microcomposites: A Parameter Study. <b>2020</b> , 7, 2000004		2
97	Binder less-integrated freestanding carbon film derived from pitch as light weight and high-power anode for sodium-ion battery. <i>Electrochimica Acta</i> , <b>2020</b> , 353, 136566	6.7	7
96	Nanostructured transition metal sulfide/selenide anodes for high-performance sodium-ion batteries. <b>2020</b> , 437-464		7
95	Ultrathin 2D Graphitic Carbon Nitride on Metal Films: Underpotential Sodium Deposition in Adlayers for Sodium-Ion Batteries. <b>2020</b> , 59, 9067-9073		37
94	Two-dimensional materials as anodes for sodium-ion batteries. <b>2020</b> , 6, 100054		25
93	Enabling remarkable cycling performance of high-loading MoS <sub>2</sub> @Graphene anode for sodium ion batteries with tunable cut-off voltage. <b>2020</b> , 458, 228040		26
92	3D Porous Self-Standing Sb Foam Anode with a Conformal Indium Layer for Enhanced Sodium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 20344-20353	9.5	17
91	Ultrathin 2D Graphitic Carbon Nitride on Metal Films: Underpotential Sodium Deposition in Adlayers for Sodium-Ion Batteries. <b>2020</b> , 132, 9152-9158		1
90	Antimony Sulphide Nanorods Decorated onto Reduced Graphene Oxide Based Anodes for Sodium-Ion Battery. <b>2020</b> , 21, 1899-1904		4

89	Bimetallic Sulfide SbS@FeS Hollow Nanorods as High-Performance Anode Materials for Sodium-Ion Batteries. <i>ACS Nano</i> , <b>2020</b> , 14, 3610-3620	16.7	149
88	High-performance CoSbS-based Na-ion battery anodes. <b>2020</b> , 17, 100470		2
87	Enhanced sodium storage in strongly-combined MoS <sub>2</sub> /rGO nanocomposite: Constructed by ionic liquid induced layer-by-layer self-assembly. <i>Electrochimica Acta</i> , <b>2020</b> , 354, 136646	6.7	2
86	Engineering metal sulfides with hierarchical interfaces for advanced sodium-ion storage systems. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 5284-5297	13	21
85	Superresilient Hard Carbon Nanofabrics for Sodium-Ion Batteries. <i>Small</i> , <b>2020</b> , 16, e1906883	11	27
84	Colloidal Antimony Sulfide Nanoparticles as a High-Performance Anode Material for Li-ion and Na-ion Batteries. <b>2020</b> , 10, 2554		16
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82	Green Synthesis of a Nanocrystalline Tin Disulfide-Reduced Graphene Oxide Anode from Ammonium Peroxostannate: a Highly Stable Sodium-Ion Battery Anode. <b>2020</b> , 8, 5485-5494		9
81	Polyanion-type electrode materials for advanced sodium-ion batteries. <b>2020</b> , 10, 100072		26
80	A review of phosphorus and phosphides as anode materials for advanced sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 4996-5048	13	65
79	Ultra-stable Sb confined into N-doped carbon fibers anodes for high-performance potassium-ion batteries. <i>Science Bulletin</i> , <b>2020</b> , 65, 1003-1012	10.6	44
78	Rationally designed nanostructured metal chalcogenides for advanced sodium-ion batteries. <b>2021</b> , 34, 582-628		29
77	Effects of deposition temperatures on the supercapacitor cathode performances of GO:SnSbS/Si thin films. <b>2021</b> , 33, 102116		4
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75	Recent Tactics and Advances in the Application of Metal Sulfides as High-Performance Anode Materials for Rechargeable Sodium-Ion Batteries. <b>2021</b> , 31, 2006761		26
74	Shape-Induced Kinetics Enhancement in Layered P2-Na <sub>0.67</sub> Ni <sub>0.33</sub> Mn <sub>0.67</sub> O <sub>2</sub> Porous Microcuboids Enables High Energy/Power Sodium-Ion Full Battery. <b>2021</b> , 4, 456-463		4
73	Bark shaped structure BiPO <sub>4</sub> @rGO applying to high efficiency of sodium ion battery. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 857, 157547	5.7	5
72	Stable bismuth phosphosulfide nanoparticle encapsulation into hollow multi-channel carbon nanofibers toward high performance sodium storage. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 17336-17343	13	2



71	A Series of Molecule-Intercalated MoS as Anode Materials for Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 10870-10877	9.5	15
70	Recent advances in semimetallic pnictogen (As, Sb, Bi) based anodes for sodium-ion batteries: Structural design, charge storage mechanisms, key challenges and perspectives. <i>Nano Research</i> , <b>2021</b> , 14, 3690	10	10
69	Whole-Voltage-Range Oxygen Redox in P2-Layered Cathode Materials for Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008194	24	39
68	Metallic-State MoS Nanosheets with Atomic Modification for Sodium Ion Batteries with a High Rate Capability and Long Lifespan. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 19894-19903	9.5	10
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66	Boron-doped Sb/SbO <sub>2</sub> @rGO composites with tunable components and enlarged lattice spacing for high-rate sodium-ion batteries. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 315505	3	2
65	Ab initio prediction of semiconductivity in a novel two-dimensional SbX (X= S, Se, Te) monolayers with orthorhombic structure. <b>2021</b> , 11, 10366		20
64	Electrochemically converting Sb <sub>2</sub> S <sub>3</sub> /CNTs to Sb/CNTs composite anodes for sodium-ion batteries. <b>2021</b> , 46, 17071-17083		2
63	Dual Confinement of CoSe Nanorods with Polyphosphazene-Derived Heteroatom-Doped Carbon and Reduced Graphene Oxide for Potassium-Ion Batteries. <b>2021</b> , 6, 17113-17125		4
62	Construction of CoS <sub>2</sub> nanoparticles embedded in well-structured carbon nanocubes for high-performance potassium-ion half/full batteries. <b>2021</b> , 64, 1401-1409		8
61	Graphene-Based Hybrid Functional Materials. <i>Small</i> , <b>2021</b> , 17, e2100514	11	8
60	Recent Developments of Antimony-Based Anodes for Sodium- and Potassium-Ion Batteries. 1		2
59	Superior sodium and lithium storage in strongly coupled amorphous Sb <sub>2</sub> S <sub>3</sub> spheres and carbon nanotubes. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2021</b> , 28, 1194-1203	3.1	7
58	Engineered Polymeric Carbon Nitride Additive for Energy Storage Materials: A Review. <b>2021</b> , 31, 2102300		6
57	Novel antimony phosphate loaded on grid-like N, S-doped carbon for facilitating sodium-ion storage. <b>2021</b> , 415, 128942		5
56	Enhanced sodium-ion storage with Fe <sub>3</sub> O <sub>4</sub> @Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> nanoleafs. <b>2021</b> , 300, 122247		1
55	Sodium storage performance of FeSb <sub>2</sub> @C composite.		0
54	Constructing layer/tunnel biphasic Na <sub>0.6</sub> Fe <sub>0.04</sub> Mn <sub>0.96</sub> O <sub>2</sub> enables simultaneous kinetics enhancement and phase transition suppression for high power/energy density sodium-ion full cell. <b>2021</b> , 40, 320-328		3

53	Building superior layered oxide cathode via rational surface engineering for both liquid & solid-state sodium ion batteries. <b>2021</b> , 421, 127788		5
52	Pattern formation during Sb/Sb <sub>2</sub> O <sub>3</sub> electrodeposition. <i>Applied Surface Science</i> , <b>2021</b> , 563, 150206	6.7	1
51	Homogeneous triple-phase interfaces enabling one-pot route to metal compound/carbon composites. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 599, 271-279	9.3	1
50	Insights into the storage mechanism of 3D nanoflower-like V <sub>3</sub> S <sub>4</sub> anode in sodium-ion batteries. <b>2022</b> , 427, 130936		15
49	Nanomaterials for electrochemical energy storage. <b>2021</b> , 18, 421-484		0
48	Amorphous Tin-Based Composite Oxide: A High-Rate and Ultralong-Life Sodium-Ion-Storage Material. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1701827	21.8	79
47	Phosphorus and phosphide nanomaterials for sodium-ion batteries. <i>Nano Research</i> , <b>2017</b> , 10, 4055-4081	10	90
46	Three-dimensional antimony sulfide anode with carbon nanotube interphase modified for lithium-ion batteries. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2021</b> , 28, 1629-1635	3.1	6
45	Probing electrochemical reactivity in an Sb <sub>2</sub> S <sub>3</sub> -containing potassium-ion battery anode: observation of an increased capacity. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 11424-11434	13	16
44	Usability Identification Framework and High-Throughput Screening of Two-Dimensional Materials in Lithium Ion Batteries. <i>ACS Nano</i> , <b>2021</b> , 15, 16469-16477	16.7	3
43	Electronic Structure of Sodium Thiogermanate. <i>Open Journal of Inorganic Non-metallic Materials</i> , <b>2015</b> , 05, 31-39	0	1
42	General Introduction. <i>Springer Theses</i> , <b>2019</b> , 1-28	0.1	
41	Sb <sub>2</sub> S <sub>3</sub> @YP Nanostructured Anode Material Synthesized by a Novel Vaporization-Condensation Method for Long Cycle-Life Sodium-Ion Battery. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 140531	3.9	4
40	Unusual Site-Selective Doping in Layered Cathode Strengthens Electrostatic Cohesion of Alkali-Metal Layer for Practicable Sodium-ion Full Cell. <i>Advanced Materials</i> , <b>2021</b> , e2103210	24	9
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38	Nanostructures of Carbon Nanofiber-Constrained Stannous Sulfide with High Flexibility and Enhanced Performance for Sodium-Ion Batteries. <i>Energy &amp; Fuels</i> ,	4.1	0
37	Yolk-Shell Sb <sub>2</sub> S <sub>3</sub> @C Hollow Microspheres with Controllable Interiors for High Space Utilization and Structural Stability of Na-Storage. <i>ChemNanoMat</i> ,	3.5	1
36	Tuning the properties of ZnS semiconductor by the addition of graphene. <b>2022</b> , 351-381		

35	A Flower-Like Sb <sub>4</sub> O <sub>5</sub> Cl <sub>2</sub> Cluster-based material as anode for potassium ion batteries. <i>Applied Surface Science</i> , <b>2022</b> , 583, 152509	6.7	3
34	Boosting Fast Sodium Ion Storage by Synergistic Effect of Heterointerface Engineering and Nitrogen Doping Porous Carbon Nanofibers.. <i>Small</i> , <b>2022</b> , e2107514	11	6
33	Hierarchical porous carbon-incorporated metal-based nanocomposites for secondary metal-ion batteries. <b>2022</b> , 179-216		0
32	Hierarchical Sb <sub>2</sub> S <sub>3</sub> /SnS <sub>2</sub> /C heterostructure with improved performance for sodium-ion batteries. <i>Science China Materials</i> , 1	7.1	1
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