Hongshuai Hou

List of Publications by Year
in descending order

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Version: 2024-02-01

		8181	16183
216	18,079	76	124
papers	citations	h-index	g-index

221	221	221	12319
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hierarchical bismuth composite for fast lithium storage: Carbon dots tuned interfacial interaction. Energy Storage Materials, 2022, 44, 145-155.	18.0	35
2	Confined N-CoSe2 active sites boost bifunctional oxygen electrocatalysis for rechargeable Znâ€“air batteries. Nano Energy, 2022, 91, 106675.	16.0	76
3	Graphene quantum dots enable dendrite-free zinc ion battery. Nano Energy, 2022, 92, 106752.	16.0	98
4	Recent advances of composite electrolytes for solid-state Li batteries. Journal of Energy Chemistry, 2022, 67, 524-548.	12.9	47
5	Zintl chemistry: Current status and future perspectives. Chemical Engineering Journal, 2022, 433, 133841.	12.7	11
6	Engineering metal-sulfides with cations-tunable metal-oxides electrocatalysts with promoted catalytic conversion for robust ions-storage capability. Energy Storage Materials, 2022, 45, 1183-1200.	18.0	26
7	Highâ€Throughput Production of Cheap Mineralâ€Based Heterostructures for High Power Sodium Ion Capacitors. Advanced Functional Materials, 2022, 32, .	14.9	75
8	Atomical Reconstruction and Cationic Reordering for Nickelâ€Rich Layered Cathodes. Advanced Energy Materials, 2022, 12, .	19.5	67
9	Ultra-Low-Dose Pre-Metallation Strategy Served for Commercial Metal-Ion Capacitors. Nano-Micro Letters, 2022, 14, 53.	27.0	65
10	Chemical-Mechanical Effects in Ni-Rich Cathode Materials. Chemistry of Materials, 2022, 34, 1509-1523.	6.7	34
11	Enabling the sustainable recycling of LiFePO₄ from spent lithium-ion batteries. Green Chemistry, 2022, 24, 2506-2515.	9.0	68
12	Evaluation of mechanical properties of multilayer graphyne-based structures as anode materials for lithium-ions batteries. European Physical Journal Plus, 2022, 137, .	2.6	14
13	Crack-free single-crystalline Co-free Ni-rich LiNi0.95Mn0.05O2 layered cathode. EScience, 2022, 2, 116-124.	41.6	116
14	Carbon dots for ultrastable solidâ€state batteries. SmartMat, 2022, 3, 286-297.	10.7	19
15	Electrochemical Zintl Cluster Bi22â^' induced chemically bonded bismuth / graphene oxide composite for sodium-ion batteries. Electrochimica Acta, 2022, 413, 140174.	5.2	4
16	Robust artificial interlayer for columnar sodium metal anode. Nano Energy, 2022, 97, 107203.	16.0	26
17	Advanced Preâ€Diagnosis Method of Biomass Intermediates Toward High Energy Dualâ€Carbon Potassiumâ€Ion Capacitor. Advanced Energy Materials, 2022, 12, .	19.5	76
18	Carbon Dotsâ€Regulated Pomegranateâ€Like Metal Oxide Composites: From Growth Mechanism to Lithium Storage. Small Methods, 2022, 6, e2200245.	8.6	5

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19	Bi-doped carbon dots for a stable lithium metal anode. Chemical Communications, 2022, 58, 6449-6452.	4.1	10
20	Dianion Induced Electron Delocalization of Trifunctional Electrocatalysts for Rechargeable Znâ€“Air Batteries and Selfâ€Powered Water Splitting. Advanced Functional Materials, 2022, 32, .	14.9	62
21	Highâ€Yield Carbon Dots Interlayer for Ultraâ€Stable Zinc Batteries. Advanced Energy Materials, 2022, 12, .	19.5	90
22	Mitigating the Jahn-Teller distortion driven by the spin-orbit coupling of lithium manganate cathode. Journal of Energy Chemistry, 2022, 72, 379-387.	12.9	11
23	Suppressing the voltage failure by twinned heterostructure for high power sodium-ion capacitor. Chemical Engineering Journal, 2022, 446, 137070.	12.7	19
24	Enabling Reversible Reaction by Uniform Distribution of Heterogeneous Intermediates on Defectâ€Rich SnSSe/C Layered Heterostructure for Ultralongâ€Cycling Sodium Storage. Small, 2022, 18, .	10.0	14
25	Trace tea polyphenols enabling reversible dendrite-free zinc anode. Journal of Colloid and Interface Science, 2022, 624, 450-459.	9.4	18
26	Natural Stibnite for Lithium-/Sodium-Ion Batteries: Carbon Dots Evoked High Initial Coulombic Efficiency. Nano-Micro Letters, 2022, 14, .	27.0	42
27	K_xC_y phase induced expanded interlayer in ultraâ€thin carbon toward full potassiumâ€ion capacitors. , 2022, 4, 1151-1168.		18
28	Cationic-potential tuned biphasic layered cathodes for stable desodiation/sodiation. Science Bulletin, 2022, 67, 1589-1602.	9.0	31
29	Challenges and Strategies towards Singleâ€Crystalline Niâ€Rich Layered Cathodes. Advanced Energy Materials, 2022, 12, .	19.5	81
30	Carbon skeleton confined Sb chalcogenides nanodots for stable sodium storage. Carbon, 2022, 197, 341-349.	10.3	10
31	Bi Dots Confined by Functional Carbon as Highâ€Performance Anode for Lithium Ion Batteries. Advanced Functional Materials, 2021, 31, 2000756.	14.9	84
32	Garnet Solid Electrolyte for Advanced Allâ€Solidâ€State Li Batteries. Advanced Energy Materials, 2021, 11, 2000648.	19.5	182
33	Electrochemically intercalated intermediate induced exfoliation of few-layer MoS2 from molybdenite for long-life sodium storage. Science China Materials, 2021, 64, 115-127.	6.3	22
34	Controllable fabrication of two-dimensional layered transition metal oxides through electrochemical exfoliation of non-van der Waals metals for rechargeable zinc-ion batteries. Chemical Engineering Journal, 2021, 408, 127247.	12.7	19
35	Interfacial challenges towards stable Li metal anode. Nano Energy, 2021, 79, 105507.	16.0	115
36	Highly stable zinc metal anode enabled by oxygen functional groups for advanced Zn-ion supercapacitors. Chemical Communications, 2021, 57, 528-531.	4.1	29

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37	Advanced Carbon Materials for Sodiumâ€ion Capacitors. Batteries and Supercaps, 2021, 4, 538-553.	4.7	27
38	Copper-substituted NaxMO2 (MÂ=ÂFe, Mn) cathodes for sodium ion batteries: Enhanced cycling stability through suppression of Mn(III) formation. Chemical Engineering Journal, 2021, 406, 126830.	12.7	39
39	Boosting the ionic conductivity of PEO electrolytes by waste eggshell-derived fillers for high-performance solid lithium/sodium batteries. Materials Chemistry Frontiers, 2021, 5, 1315-1323.	5.9	38
40	Prelithiation/Presodiation Techniques for Advanced Electrochemical Energy Storage Systems: Concepts, Applications, and Perspectives. Advanced Functional Materials, 2021, 31, 2005581.	14.9	138
41	Interfacial regulation of dendrite-free zinc anodes through a dynamic hydrophobic molecular membrane. Journal of Materials Chemistry A, 2021, 9, 14265-14269.	10.3	10
42	Olivine LiMn_xFe_{1â^'x}PO₄ cathode materials for lithium ion batteries: restricted factors of rate performances. Journal of Materials Chemistry A, 2021, 9, 14214-14232.	10.3	60
43	Electrochemically captured Zintl cluster-induced bismuthene for sodium-ion storage. Chemical Communications, 2021, 57, 2396-2399.	4.1	13
44	Liquid Alloy Interlayer for Aqueous Zinc-Ion Battery. ACS Energy Letters, 2021, 6, 675-683.	17.4	135
45	Comprehensive Understanding of Sodiumâ€ion Capacitors: Definition, Mechanisms, Configurations, Materials, Key Technologies, and Future Developments. Advanced Energy Materials, 2021, 11, 2003804.	19.5	105
46	Kilogram-Scale Synthesis and Functionalization of Carbon Dots for Superior Electrochemical Potassium Storage. ACS Nano, 2021, 15, 6872-6885.	14.6	184
47	Channel regulation of TFC membrane with hydrophobic carbon dots in forward osmosis. Chinese Chemical Letters, 2021, 32, 2882-2886.	9.0	13
48	Demystifying the Lattice Oxygen Redox in Layered Oxide Cathode Materials of Lithium-Ion Batteries. ACS Nano, 2021, 15, 6061-6104.	14.6	77
49	Functionalized carbon dots for advanced batteries. Energy Storage Materials, 2021, 37, 8-39.	18.0	116
50	Fundamental and solutions of microcrack in Ni-rich layered oxide cathode materials of lithium-ion batteries. Nano Energy, 2021, 83, 105854.	16.0	264
51	Heterogeneous Interface Design for Enhanced Sodium Storage: Sb Quantum Dots Confined by Functional Carbon. Small Methods, 2021, 5, e2100188.	8.6	17
52	Stabilizing Intermediate Phases via Efficient Entrapment Effects of Layered VS₄/SnS@C Heterostructure for Ultralong Lifespan Potassiumâ€ion Batteries. Advanced Functional Materials, 2021, 31, 2103802.	14.9	81
53	Molecularly Compensated Preâ€Metallation Strategy for Metalâ€ion Batteries and Capacitors. Angewandte Chemie, 2021, 133, 17207-17216.	2.0	4
54	Molecularly Compensated Preâ€Metallation Strategy for Metalâ€ion Batteries and Capacitors. Angewandte Chemie - International Edition, 2021, 60, 17070-17079.	13.8	52

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55	Structure and Interface Modification of Carbon Dots for Electrochemical Energy Application. Small, 2021, 17, e2102091.	10.0	36
56	Solid Solution Metal Chalcogenides for Sodiumâ€Ion Batteries: The Recent Advances as Anodes. Small, 2021, 17, e2101058.	10.0	45
57	Electrochemically Engineering Antimony Interspersed on Graphene toward Advanced Sodium-Storage Anodes. Inorganic Chemistry, 2021, 60, 12526-12535.	4.0	2
58	Ironâ€Based Layered Cathodes for Sodiumâ€Ion Batteries. Batteries and Supercaps, 2021, 4, 1657-1679.	4.7	19
59	Carbon Dots Evoked Li Ion Dynamics for Solid State Battery. Small, 2021, 17, e2102978.	10.0	54
60	The development of carbon dots: From the perspective of materials chemistry. Materials Today, 2021, 51, 188-207.	14.2	213
61	Highly efficient re-cycle/generation of LiCoO2 cathode assisted by 2-naphthalenesulfonic acid. Journal of Hazardous Materials, 2021, 416, 126114.	12.4	16
62	Interfacially Redistributed charge for robust lithium metal anode. Nano Energy, 2021, 87, 106212.	16.0	48
63	Presodiation Strategies for the Promotion of Sodiumâ€Based Energy Storage Systems. Chemistry - A European Journal, 2021, 27, 16082-16092.	3.3	15
64	Revealing dual capacitive mechanism of carbon cathode toward ultrafast quasi-solid-state lithium ion capacitors. Journal of Energy Chemistry, 2021, 60, 209-221.	12.9	33
65	Functional carbon materials processed by NH3 plasma for advanced full-carbon sodium-ion capacitors. Chemical Engineering Journal, 2021, 420, 129647.	12.7	32
66	Liquid Alloying Naâ€“K for Sodium Metal Anodes. Journal of Physical Chemistry Letters, 2021, 12, 9321-9327.	4.6	9
67	High content anion (S/Se/P) doping assisted by defect engineering with fast charge transfer kinetics for high-performance sodium ion capacitors. Science Bulletin, 2021, 66, 1858-1868.	9.0	94
68	Reversible OP4 phase in P2â€“Na2/3Ni1/3Mn2/3O2 sodium ion cathode. Journal of Power Sources, 2021, 508, 230324.	7.8	46
69	N,S-codoped carbon dots as deposition regulating electrolyte additive for stable lithium metal anode. Energy Storage Materials, 2021, 42, 679-686.	18.0	43
70	Nanomaterials for electrochemical energy storage. Frontiers of Nanoscience, 2021, 18, 421-484.	0.6	2
71	Element substitution of a spinel LiMn₂O₄cathode. Journal of Materials Chemistry A, 2021, 9, 21532-21550.	10.3	51
72	A high-rate capability LiFePO₄/C cathode achieved by the modulation of the band structures. Journal of Materials Chemistry A, 2021, 9, 24686-24694.	10.3	28

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73	MnO₂ Nanowires Anchored with Graphene Quantum Dots for Stable Aqueous Zinc-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 10940-10947.	5.1	17
74	Coupling regeneration strategy of lithium-ion electrode materials turned with naphthalenedisulfonic acid. Waste Management, 2021, 136, 1-10.	7.4	3
75	Electronic Effect and Regiochemistry of Substitution in Pre-sodiation Chemistry. Journal of Physical Chemistry Letters, 2021, 12, 11968-11979.	4.6	7
76	H⁺â€Insertion Boosted Î±â€MnO₂ for an Aqueous Znâ€Ion Battery. Small, 2020, 16, e1905842.	10.0	260
77	Heteroatom-doped carbon inlaid with Sb2X3 (XÂ=ÂS, Se) nanodots for high-performance potassium-ion batteries. Chemical Engineering Journal, 2020, 385, 123838.	12.7	118
78	Chalcopyrite-Derived Na_xMO₂ (M = Cu, Fe, Mn) Cathode: Tuning Impurities for Self-Doping. ACS Applied Materials & Interfaces, 2020, 12, 2432-2444.	8.0	41
79	Graphitic Carbon Quantum Dots Modified Nickel Cobalt Sulfide as Cathode Materials for Alkaline Aqueous Batteries. Nano-Micro Letters, 2020, 12, 16.	27.0	114
80	Revealing the activation effects of high valence cobalt in CoMoO4 towards highly reversible conversion. Nano Energy, 2020, 68, 104333.	16.0	40
81	Recent progress on electrolyte additives for stable lithium metal anode. Energy Storage Materials, 2020, 32, 306-319.	18.0	126
82	Advanced Batteryâ€Type Anode Materials for Highâ€Performance Sodiumâ€Ion Capacitors. Small Methods, 2020, 4, 2000401.	8.6	56
83	Pseudoâ€Bonding and Electricâ€Field Harmony for Liâ€Rich Mnâ€Based Oxide Cathode. Advanced Functional Materials, 2020, 30, 2004302.	14.9	149
84	Biâ€Based Electrode Materials for Alkali Metalâ€Ion Batteries. Small, 2020, 16, e2004022.	10.0	71
85	Insights into Enhanced Capacitive Behavior of Carbon Cathode for Lithium Ion Capacitors: The Coupling of Pore Size and Graphitization Engineering. Nano-Micro Letters, 2020, 12, 121.	27.0	111
86	High Sulfur-Doped Hard Carbon with Advanced Potassium Storage Capacity via a Molten Salt Method. ACS Applied Materials & Interfaces, 2020, 12, 30431-30437.	8.0	58
87	Defect Rich Hierarchical Porous Carbon for High Power Supercapacitors. Frontiers in Chemistry, 2020, 8, 43.	3.6	27
88	Manganeseâ€based layered oxide cathodes for sodium ion batteries. Nano Select, 2020, 1, 200-225.	3.7	25
89	Nitrogen-doped Carbon Coated Na3V2(PO4)3 with Superior Sodium Storage Capability. Chemical Research in Chinese Universities, 2020, 36, 459-466.	2.6	34
90	Voltageâ€Induced Highâ€Efficient In Situ Presodiation Strategy for Sodium Ion Capacitors. Small Methods, 2020, 4, 1900763.	8.6	60

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91	Quinone/ester-based oxygen functional group-incorporated full carbon Li-ion capacitor for enhanced performance. Nanoscale, 2020, 12, 3677-3685.	5.6	64
92	Dendrite-free lithium metal anode with lithiophilic interphase from hierarchical frameworks by tuned nucleation. Energy Storage Materials, 2020, 27, 124-132.	18.0	98
93	Carbon materials for high-performance lithium-ion capacitor. Current Opinion in Electrochemistry, 2020, 21, 31-39.	4.8	59
94	Hollow carbon microbox from acetylacetone as anode material for sodium-ion batteries. Journal of Energy Chemistry, 2020, 51, 293-302.	12.9	20
95	Ultra-stable Sb confined into N-doped carbon fibers anodes for high-performance potassium-ion batteries. Science Bulletin, 2020, 65, 1003-1012.	9.0	87
96	Long-aspect-ratio N-rich carbon nanotubes as anode material for sodium and lithium ion batteries. Chemical Engineering Journal, 2020, 395, 125054.	12.7	106
97	Phase-Controllable Cobalt Phosphides Induced through Hydrogel for Higher Lithium Storages. Inorganic Chemistry, 2020, 59, 6471-6480.	4.0	4
98	Electrochemically activated MnO cathodes for high performance aqueous zinc-ion battery. Chemical Engineering Journal, 2020, 402, 125509.	12.7	109
99	The advance of nickel-cobalt-sulfide as ultra-fast/high sodium storage materials: The influences of morphology structure, phase evolution and interface property. Energy Storage Materials, 2019, 16, 267-280.	18.0	107
100	Carbon quantum dot micelles tailored hollow carbon anode for fast potassium and sodium storage. Nano Energy, 2019, 65, 104038.	16.0	250
101	Influence of P doping on Na and K storage properties of N-rich carbon nanosheets. Materials Chemistry and Physics, 2019, 236, 121809.	4.0	10
102	Hierarchical NiS₂ Modified with Bifunctional Carbon for Enhanced Potassiumâ€Ion Storage. Advanced Functional Materials, 2019, 29, 1903454.	14.9	109
103	Chemâ€Bonding and Physâ€Trapping Se Electrode for Longâ€Life Rechargeable Batteries. Advanced Functional Materials, 2019, 29, 1809014.	14.9	36
104	Composition Engineering Boosts Voltage Windows for Advanced Sodium-Ion Batteries. ACS Nano, 2019, 13, 10787-10797.	14.6	90
105	A process for combination of recycling lithium and regenerating graphite from spent lithium-ion battery. Waste Management, 2019, 85, 529-537.	7.4	182
106	Li₄Ti₅O₁₂ quantum dot decorated carbon frameworks from carbon dots for fast lithium ion storage. Materials Chemistry Frontiers, 2019, 3, 1761-1767.	5.9	18
107	Natural stibnite ore (Sb₂S₃) embedded in sulfur-doped carbon sheets: enhanced electrochemical properties as anode for sodium ions storage. RSC Advances, 2019, 9, 15210-15216.	3.6	37
108	A kinetically well-matched full-carbon sodium-ion capacitor. Journal of Materials Chemistry A, 2019, 7, 13540-13549.	10.3	116

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109	Bi₂MoO₆Microsphere with Double-Polyaniline Layers toward Ultrastable Lithium Energy Storage by Reinforced Structure. Inorganic Chemistry, 2019, 58, 6410-6421.	4.0	26
110	Electrochemically Modulated LiNi_{1/3}Mn_{1/3}Co_{1/3}O₂ Cathodes for Lithiumâ€Ion Batteries. Small Methods, 2019, 3, 1900065.	8.6	24
111	Surfaceâ€Driven Energy Storage Behavior of Dualâ€Heteroatoms Functionalized Carbon Material. Advanced Functional Materials, 2019, 29, 1900941.	14.9	68
112	Honeycomb hard carbon derived from carbon quantum dots as anode material for K-ion batteries. Materials Chemistry and Physics, 2019, 229, 303-309.	4.0	82
113	General Synthesis of Heteroatomâ€Doped Hierarchical Carbon toward Excellent Electrochemical Energy Storage. Batteries and Supercaps, 2019, 2, 712-722.	4.7	27
114	The bond evolution mechanism of covalent sulfurized carbon during electrochemical sodium storage process. Science China Materials, 2019, 62, 1127-1138.	6.3	58
115	Rodâ€Like Sb₂MoO₆: Structure Evolution and Sodium Storage for Sodiumâ€Ion Batteries. Small Methods, 2019, 3, 1800533.	8.6	26
116	Single Particle Electrochemistry of Collision. Small, 2019, 15, e1804908.	10.0	33
117	Yolkâ€“Shell-Structured Bismuth@N-Doped Carbon Anode for Lithium-Ion Battery with High Volumetric Capacity. ACS Applied Materials & Interfaces, 2019, 11, 10829-10840.	8.0	132
118	A graphite-modified natural stibnite mineral as a high-performance anode material for sodium-ion storage. RSC Advances, 2019, 9, 28953-28960.	3.6	12
119	Monocrystal Cu 3 Mo 2 O 9 Confined in Polyaniline Protective Layer: an Effective Strategy for Promoting Lithium Storage Stability. ChemElectroChem, 2019, 6, 1688-1695.	3.4	12
120	Hierarchical Hollowâ€Microsphere Metalâ€“Selenide@Carbon Composites with Rational Surface Engineering for Advanced Sodium Storage. Advanced Energy Materials, 2019, 9, 1803035.	19.5	234
121	Ultrafast Sodium Full Batteries Derived from Xï£¿Fe (X = Co, Ni, Mn) Prussian Blue Analogs. Advanced Materials, 2019, 31, e1806092.	21.0	132
122	Exploration and Size Engineering from Natural Chalcopyrite to High-Performance Electrode Materials for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 6154-6165.	8.0	43
123	Controllable Chainâ€Length for Covalent Sulfurâ€“Carbon Materials Enabling Stable and Highâ€Capacity Sodium Storage. Advanced Energy Materials, 2019, 9, 1803478.	19.5	145
124	Anatase inverse opal TiO2-x@N-doped C induced the dominant pseudocapacitive effect for durable and fast lithium/sodium storage. Electrochimica Acta, 2019, 299, 540-548.	5.2	87
125	Octahedral Sb2O3 as high-performance anode for lithium and sodium storage. Materials Chemistry and Physics, 2019, 223, 46-52.	4.0	95
126	Electrochemically Exfoliated Phosphoreneâ€“Graphene Hybrid for Sodiumâ€Ion Batteries. Small Methods, 2019, 3, 1800328.	8.6	66

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127	Electrochemical exfoliation of graphene-like two-dimensional nanomaterials. Nanoscale, 2019, 11, 16-33.	5.6	184
128	High Ionâ€Conducting Solidâ€State Composite Electrolytes with Carbon Quantum Dot Nanofillers. Advanced Science, 2018, 5, 1700996.	11.2	141
129	Anions induced evolution of Co3X4 (Xâ€¯=â€¯O, S, Se) as sodium-ion anodes: The influences of electronic structure, morphology, electrochemical property. Nano Energy, 2018, 48, 617-629.	16.0	227
130	Three-Dimensional Hierarchical Framework Assembled by Cobblestone-Like CoSe₂@C Nanospheres for Ultrastable Sodium-Ion Storage. ACS Applied Materials & Interfaces, 2018, 10, 14716-14726.	8.0	116
131	Binding MoSe2 with carbon constrained in carbonous nanosphere towards high-capacity and ultrafast Li/Na-ion storage. Energy Storage Materials, 2018, 12, 310-323.	18.0	196
132	N-rich carbon coated CoSnO₃derived fromin situconstruction of a Coâ€“MOF with enhanced sodium storage performance. Journal of Materials Chemistry A, 2018, 6, 4839-4847.	10.3	84
133	Electrochemical Investigation of Natural Ore Molybdenite (MoS₂) as a First-Hand Anode for Lithium Storages. ACS Applied Materials & Interfaces, 2018, 10, 6378-6389.	8.0	52
134	Dual Functions of Potassium Antimony(III)â€Tartrate in Tuning Antimony/Carbon Composites for Longâ€Life Naâ€Ion Batteries. Advanced Functional Materials, 2018, 28, 1705744.	14.9	42
135	Multidimensional Evolution of Carbon Structures Underpinned by Temperatureâ€Induced Intermediate of Chloride for Sodiumâ€Ion Batteries. Advanced Science, 2018, 5, 1800080.	11.2	112
136	Enhanced stability of sodium storage exhibited by carbon coated Sb2S3 hollow spheres. Materials Chemistry and Physics, 2018, 203, 185-192.	4.0	61
137	Metalâ€“Organic Frameworkâ€Derived Materials for Sodium Energy Storage. Small, 2018, 14, 1702648.	10.0	129
138	Molecular-Level CuS@S Hybrid Nanosheets Constructed by Mineral Chemistry for Energy Storage Systems. ACS Applied Materials & Interfaces, 2018, 10, 43669-43681.	8.0	32
139	Engineering 1D chain-like architecture with conducting polymer towards ultra-fast and high-capacity energy storage by reinforced pseudo-capacitance. Nano Energy, 2018, 54, 26-38.	16.0	74
140	N-Rich carbon-coated Co₃S₄ ultrafine nanocrystals derived from ZIF-67 as an advanced anode for sodium-ion batteries. Nanoscale, 2018, 10, 18786-18794.	5.6	101
141	Perovskite ABO₃â€Type MOFâ€Derived Carbon Decorated Fe₃O₄ with Enhanced Lithium Storage Performance. ChemElectroChem, 2018, 5, 3426-3436.	3.4	9
142	Size-Tunable Natural Mineral-Molybdenite for Lithium-Ion Batteries Toward: Enhanced Storage Capacity and Quicken Ions Transferring. Frontiers in Chemistry, 2018, 6, 389.	3.6	19
143	Evaluating the influences of the sulfur content in precursors on the structure and sodium storage performances of carbon materials. Journal of Materials Chemistry A, 2018, 6, 11488-11495.	10.3	27
144	Fe2O3 embedded in the nitrogen-doped carbon matrix with strong C-O-Fe oxygen-bridge bonds for enhanced sodium storages. Materials Chemistry and Physics, 2018, 216, 58-63.	4.0	29

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145	TiO2 nanosheets anchoring on carbon nanotubes for fast sodium storage. Electrochimica Acta, 2018, 283, 1514-1524.	5.2	18
146	Advanced Hierarchical Vesicular Carbon Coâ€Doped with S, P, N for Highâ€Rate Sodium Storage. Advanced Science, 2018, 5, 1800241.	11.2	225
147	Nickel Chelate Derived NiS₂ Decorated with Bifunctional Carbon: An Efficient Strategy to Promote Sodium Storage Performance. Advanced Functional Materials, 2018, 28, 1803690.	14.9	104
148	Tailoring Rodâ€Like FeSe₂ Coated with Nitrogenâ€Doped Carbon for Highâ€Performance Sodium Storage. Advanced Functional Materials, 2018, 28, 1801765.	14.9	287
149	Energy Storage: Largeâ€Area Carbon Nanosheets Doped with Phosphorus: A Highâ€Performance Anode Material for Sodiumâ€Ion Batteries (Adv. Sci. 1/2017). Advanced Science, 2017, 4, .	11.2	3
150	Nickel nanoparticles supported on nitrogen-doped honeycomb-like carbon frameworks for effective methanol oxidation. RSC Advances, 2017, 7, 14152-14158.	3.6	75
151	Rose-like N-doped Porous Carbon for Advanced Sodium Storage. Electrochimica Acta, 2017, 240, 24-30.	5.2	45
152	Evaluating the Storage Behavior of Superior Low-Cost Anode Material from Biomass for High-Rate Sodium-Ion Batteries. Journal of the Electrochemical Society, 2017, 164, A1431-A1437.	2.9	17
153	High-rate sodium ion anodes assisted by N-doped carbon sheets. Sustainable Energy and Fuels, 2017, 1, 1130-1136.	4.9	23
154	Hollow-sphere ZnSe wrapped around carbon particles as a cycle-stable and high-rate anode material for reversible Li-ion batteries. New Journal of Chemistry, 2017, 41, 6693-6699.	2.8	40
155	Alternating Voltage Introduced [001]-Oriented Î±-MoO3 Microrods for High-Performance Sodium-ion Batteries. Electrochimica Acta, 2017, 245, 949-956.	5.2	22
156	Nanosizing Pd on 3D porous carbon frameworks as effective catalysts for selective phenylacetylene hydrogenation. RSC Advances, 2017, 7, 15309-15314.	3.6	24
157	Carbon Anode Materials for Advanced Sodiumâ€Ion Batteries. Advanced Energy Materials, 2017, 7, 1602898.	19.5	858
158	The electrochemical exploration of double carbon-wrapped Na3V2(PO4)3: Towards long-time cycling and superior rate sodium-ion battery cathode. Journal of Power Sources, 2017, 366, 249-258.	7.8	72
159	Sulfur-doped carbon employing biomass-activated carbon as a carrier with enhanced sodium storage behavior. Journal of Materials Chemistry A, 2017, 5, 24353-24360.	10.3	58
160	Synergistic effect of cross-linked carbon nanosheet frameworks and Sb on the enhancement of sodium storage performances. New Journal of Chemistry, 2017, 41, 13724-13731.	2.8	12
161	3D hollow porous carbon microspheres derived from Mn-MOFs and their electrochemical behavior for sodium storage. Journal of Materials Chemistry A, 2017, 5, 23550-23558.	10.3	69
162	Rodlike Sb₂Se₃ Wrapped with Carbon: The Exploring of Electrochemical Properties in Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 34979-34989.	8.0	100

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163	Constructing hierarchical sulfur-doped nitrogenous carbon nanosheets for sodium-ion storage. Nanotechnology, 2017, 28, 445604.	2.6	13
164	Antimony Anchored with Nitrogen-Doping Porous Carbon as a High-Performance Anode Material for Na-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 26118-26125.	8.0	55
165	Nanoâ€confined Mo₂C Particles Embedded in a Porous Carbon Matrix: A Promising Anode for Ultraâ€stable Na Storage. ChemElectroChem, 2017, 4, 2669-2676.	3.4	17
166	Layerâ€Tunable Phosphorene Modulated by the Cation Insertion Rate as a Sodiumâ€Storage Anode. Advanced Materials, 2017, 29, 1702372.	21.0	162
167	Preparation of S/N-codoped carbon nanosheets with tunable interlayer distance for high-rate sodium-ion batteries. Green Chemistry, 2017, 19, 4622-4632.	9.0	81
168	Molybdenum Phosphide: A Conversion-type Anode for Ultralong-Life Sodium-Ion Batteries. Chemistry of Materials, 2017, 29, 7313-7322.	6.7	102
169	Controllable Interlayer Spacing of Sulfurâ€Doped Graphitic Carbon Nanosheets for Fast Sodiumâ€Ion Batteries. Small, 2017, 13, 1700762.	10.0	144
170	Nitrogen Doped/Carbon Tuning Yolkâ€Like TiO₂ and Its Remarkable Impact on Sodium Storage Performances. Advanced Energy Materials, 2017, 7, 1600173.	19.5	159
171	Largeâ€Area Carbon Nanosheets Doped with Phosphorus: A Highâ€Performance Anode Material for Sodiumâ€Ion Batteries. Advanced Science, 2017, 4, 1600243.	11.2	450
172	Black Anatase Titania with Ultrafast Sodium-Storage Performances Stimulated by Oxygen Vacancies. ACS Applied Materials & Interfaces, 2016, 8, 9142-9151.	8.0	193
173	Alternating voltage induced electrochemical synthesis of three-dimensionalization copper oxide for lithium-ion battery application. Chemical Physics Letters, 2016, 653, 30-34.	2.6	8
174	Mo-doped Gray Anatase TiO 2 : Lattice Expansion for Enhanced Sodium Storage. Electrochimica Acta, 2016, 219, 227-234.	5.2	46
175	3D Porous Carbon Encapsulated SnO2 Nanocomposite for Ultrastable Sodium Ion Batteries. Electrochimica Acta, 2016, 214, 156-164.	5.2	57
176	Grapheneâ€Rich Wrapped Petalâ€Like Rutile TiO₂ tuned by Carbon Dots for Highâ€Performance Sodium Storage. Advanced Materials, 2016, 28, 9391-9399.	21.0	262
177	Sizeâ€Tunable Oliveâ€Like Anatase TiO₂ Coated with Carbon as Superior Anode for Sodiumâ€Ion Batteries. Small, 2016, 12, 5554-5563.	10.0	76
178	Porous Carbon Induced Anatase TiO2Nanodots/Carbon Composites for High-Performance Sodium-Ion Batteries. Journal of the Electrochemical Society, 2016, 163, A3117-A3125.	2.9	21
179	Pinecone-like hierarchical anatase TiO₂bonded with carbon enabling ultrahigh cycling rates for sodium storage. Journal of Materials Chemistry A, 2016, 4, 12591-12601.	10.3	78
180	Alternating voltage induced ordered anatase TiO2 nanopores: An electrochemical investigation of sodium storage. Journal of Power Sources, 2016, 336, 196-202.	7.8	22

#	Article	IF	Citations
181	Sodium titanate cuboid as advanced anode material for sodium ion batteries. Journal of Power Sources, 2016, 305, 200-208.	7.8	55
182	Activated Flake Graphite Coated with Pyrolysis Carbon as Promising Anode for Lithium Storage. Electrochimica Acta, 2016, 196, 405-412.	5.2	22
183	Cube-shaped Porous Carbon Derived from MOF-5 as Advanced Material for Sodium-Ion Batteries. Electrochimica Acta, 2016, 196, 413-421.	5.2	114
184	Sodiumâ€Ion Batteries: Carbon Quantum Dots and Their Derivative 3D Porous Carbon Frameworks for Sodiumâ€Ion Batteries with Ultralong Cycle Life (Adv. Mater. 47/2015). Advanced Materials, 2015, 27, 7895-7895.	21.0	10
185	Carbon Quantum Dots and Their Derivative 3D Porous Carbon Frameworks for Sodiumâ€Ion Batteries with Ultralong Cycle Life. Advanced Materials, 2015, 27, 7861-7866.	21.0	1,055
186	Ti³⁺ Selfâ€Doped Dark Rutile TiO₂ Ultrafine Nanorods with Durable Highâ€Rate Capability for Lithiumâ€Ion Batteries. Advanced Functional Materials, 2015, 25, 6793-6801.	14.9	221
187	Carbon dots supported upon N-doped TiO₂ nanorods applied into sodium and lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 5648-5655.	10.3	215
188	Cathodically induced antimony for rechargeable Li-ion and Na-ion batteries: The influences of hexagonal and amorphous phase. Journal of Power Sources, 2015, 282, 358-367.	7.8	60
189	Size-Tunable Single-Crystalline Anatase TiO₂ Cubes as Anode Materials for Lithium Ion Batteries. Journal of Physical Chemistry C, 2015, 119, 3923-3930.	3.1	46
190	Electrochemically Alternating Voltage Induced Mn3O4/Graphite Powder Composite with Enhanced Electrochemical Performances for Lithium-ion Batteries. Electrochimica Acta, 2015, 155, 157-163.	5.2	36
191	Electrochemically alternating voltage tuned Co2MnO4/Co hydroxide chloride for an asymmetric supercapacitor. Electrochimica Acta, 2015, 165, 198-205.	5.2	26
192	An Electrochemically Anodic Study of Anatase TiO2 Tuned through Carbon-Coating for High-performance Lithium-ion Battery. Electrochimica Acta, 2015, 164, 330-336.	5.2	18
193	Cypress leaf-like Sb as anode material for high-performance sodium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 17549-17552.	10.3	57
194	Carbon quantum dot coated Mn₃O₄ with enhanced performances for lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 16824-16830.	10.3	100
195	An electrochemical exploration of hollow NiCo 2 O 4 submicrospheres and its capacitive performances. Journal of Power Sources, 2015, 287, 307-315.	7.8	89
196	Antimony nanoparticles anchored on interconnected carbon nanofibers networks as advanced anode material for sodium-ion batteries. Journal of Power Sources, 2015, 284, 227-235.	7.8	119
197	Sb porous hollow microspheres as advanced anode materials for sodium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 2971-2977.	10.3	156
198	An electrochemical investigation of rutile TiO₂ microspheres anchored by nanoneedle clusters for sodium storage. Physical Chemistry Chemical Physics, 2015, 17, 15764-15770.	2.8	70

#	Article	IF	Citations
199	Alternating Voltage Introduced NiCo Double Hydroxide Layered Nanoflakes for an Asymmetric Supercapacitor. ACS Applied Materials & Interfaces, 2015, 7, 22741-22744.	8.0	117
200	Enhanced sodium storage behavior of carbon coated anatase TiO₂ hollow spheres. Journal of Materials Chemistry A, 2015, 3, 18944-18952.	10.3	96
201	One-Dimensional Rod-Like Sb₂S₃-Based Anode for High-Performance Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 19362-19369.	8.0	218
202	Ultrafine nickel oxide quantum dots enbedded with few-layer exfoliative graphene for an asymmetric supercapacitor: Enhanced capacitances by alternating voltage. Journal of Power Sources, 2015, 298, 241-248.	7.8	75
203	Alternating voltage induced porous Co₃O₄sheets: an exploration of its supercapacity properties. RSC Advances, 2015, 5, 177-183.	3.6	17
204	Mechanistic investigation of ion migration in Na₃V₂(PO₄)₂F₃ hybrid-ion batteries. Physical Chemistry Chemical Physics, 2015, 17, 159-165.	2.8	62
205	Porous NiCo₂O₄ spheres tuned through carbon quantum dots utilised as advanced materials for an asymmetric supercapacitor. Journal of Materials Chemistry A, 2015, 3, 866-877.	10.3	282
206	Investigation of the Sodium Ion Pathway and Cathode Behavior in Na₃V₂(PO₄)₂F₃ Combined via a First Principles Calculation. Langmuir, 2014, 30, 12438-12446.	3.5	104
207	NiSb alloy hollow nanospheres as anode materials for rechargeable lithium ion batteries. Chemical Communications, 2014, 50, 8201-8203.	4.1	49
208	3D network-like mesoporous NiCo2O4 nanostructures as advanced electrode material for supercapacitors. Electrochimica Acta, 2014, 149, 144-151.	5.2	72
209	An Electrochemical Study of Sb/Acetylene Black Composite as Anode for Sodium-Ion Batteries. Electrochimica Acta, 2014, 146, 328-334.	5.2	84
210	High-voltage NASICON Sodium Ion Batteries: Merits of Fluorine Insertion. Electrochimica Acta, 2014, 146, 142-150.	5.2	69
211	An Asymmetric Ultracapacitors Utilizing Î±-Co(OH)2/Co3O4 Flakes Assisted by Electrochemically Alternating Voltage. Electrochimica Acta, 2014, 141, 234-240.	5.2	121
212	Sodium/Lithium Storage Behavior of Antimony Hollow Nanospheres for Rechargeable Batteries. ACS Applied Materials & Interfaces, 2014, 6, 16189-16196.	8.0	199
213	Lithium Titanate Tailored by Cathodically Induced Graphene for an Ultrafast Lithium Ion Battery. Advanced Functional Materials, 2014, 24, 4349-4356.	14.9	142
214	Facile preparation of Sn hollow nanospheres anodes for lithium-ion batteries by galvanic replacement. Materials Letters, 2014, 128, 408-411.	2.6	27
215	Spinel NiCo2O4 for use as a high-performance supercapacitor electrode material: Understanding of its electrochemical properties. Journal of Power Sources, 2014, 267, 888-900.	7.8	228
216	Effect of Short Carbon Fibers and Carbon Nanotubes Dispersed by Utilizing Hollow Glass Beads as Carriers on the Tensile and Curing Properties of Epoxy Resin. Polymer-Plastics Technology and Engineering, 2013, 52, 1519-1526.	1.9	6