Hongshuai Hou

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

207 papers	11,725 citations	63 h-index	102 g-index
221 ext. papers	14,702 ext. citations	11.3 avg, IF	6.99 L-index

#	Paper	IF	Citations
207	Ultra-Low-Dose Pre-Metallation Strategy Served for Commercial Metal-Ion Capacitors.. *Nano-Micro Letters*, **2022**, 14, 53	19.5	8
206	Graphene quantum dots enable dendrite-free zinc ion battery. *Nano Energy*, **2022**, 92, 106752	17.1	16
205	Recent advances of composite electrolytes for solid-state Li batteries. *Journal of Energy Chemistry*, **2022**, 67, 524-548	12	7
204	Hierarchical bismuth composite for fast lithium storage: Carbon dots tuned interfacial interaction. *Energy Storage Materials*, **2022**, 44, 145-155	19.4	10
203	Enabling the sustainable recycling of LiFePO4 from spent lithium-ion batteries. *Green Chemistry*, **2022**, 24, 2506-2515	10	3
202	Crack-free single-crystalline Co-free Ni-rich LiNi0.95Mn0.05O2 layered cathode. *EScience*, **2022**,		20
201	Electrochemical Zintl Cluster Bi22□nduced chemically bonded bismuth / graphene oxide composite for sodium-ion batteries. *Electrochimica Acta*, **2022**, 413, 140174	6.7	1
200	Robust artificial interlayer for columnar sodium metal anode. *Nano Energy*, **2022**, 97, 107203	17.1	4
199	Advanced Pre-Diagnosis Method of Biomass Intermediates Toward High Energy Dual-Carbon Potassium-Ion Capacitor. *Advanced Energy Materials*, **2022**, 12, 2103221	21.8	12
198	Carbon Dots-Regulated Pomegranate-Like Metal Oxide Composites: From Growth Mechanism to Lithium Storage.. *Small Methods*, **2022**, e2200245	12.8	0
197	Suppressing the voltage failure by twinned heterostructure for high power sodium-ion capacitor. *Chemical Engineering Journal*, **2022**, 446, 137070	14.7	0
196	Trace tea polyphenols enabling reversible dendrite-free zinc anode. *Journal of Colloid and Interface Science*, **2022**, 624, 450-459	9.3	1
195	Confined N-CoSe2 active sites boost bifunctional oxygen electrocatalysis for rechargeable Zn□ir batteries. *Nano Energy*, **2021**, 91, 106675	17.1	16
194	Zintl chemistry: Current status and future perspectives. *Chemical Engineering Journal*, **2021**, 133841	14.7	2
193	Engineering metal-sulfides with cations-tunable metal-oxides electrocatalysts with promoted catalytic conversion for robust ions-storage capability. *Energy Storage Materials*, **2021**, 45, 1183-1183	19.4	4
192	MnO2 Nanowires Anchored with Graphene Quantum Dots for Stable Aqueous Zinc-Ion Batteries. *ACS Applied Energy Materials*, **2021**, 4, 10940-10947	6.1	2
191	Coupling regeneration strategy of lithium-ion electrode materials turned with naphthalenedisulfonic acid. *Waste Management*, **2021**, 136, 1-10	8.6	1

190	Comprehensive Understanding of Sodium-Ion Capacitors: Definition, Mechanisms, Configurations, Materials, Key Technologies, and Future Developments. *Advanced Energy Materials*, **2021**, 11, 2003804	21.8	46
189	Kilogram-Scale Synthesis and Functionalization of Carbon Dots for Superior Electrochemical Potassium Storage. *ACS Nano*, **2021**, 15, 6872-6885	16.7	60
188	Channel regulation of TFC membrane with hydrophobic carbon dots in forward osmosis. *Chinese Chemical Letters*, **2021**, 32, 2882-2882	8.1	1
187	Demystifying the Lattice Oxygen Redox in Layered Oxide Cathode Materials of Lithium-Ion Batteries. *ACS Nano*, **2021**, 15, 6061-6104	16.7	25
186	Functionalized carbon dots for advanced batteries. *Energy Storage Materials*, **2021**, 37, 8-39	19.4	35
185	Fundamental and solutions of microcrack in Ni-rich layered oxide cathode materials of lithium-ion batteries. *Nano Energy*, **2021**, 83, 105854	17.1	66
184	Heterogeneous Interface Design for Enhanced Sodium Storage: Sb Quantum Dots Confined by Functional Carbon.. *Small Methods*, **2021**, 5, e2100188	12.8	3
183	Stabilizing Intermediate Phases via Efficient Entrapment Effects of Layered VS4/SnS@C Heterostructure for Ultralong Lifespan Potassium-Ion Batteries. *Advanced Functional Materials*, **2021**, 31, 2103802	15.6	23
182	Molecularly Compensated Pre-Metallation Strategy for Metal-Ion Batteries and Capacitors. *Angewandte Chemie*, **2021**, 133, 17207-17216	3.6	2
181	Molecularly Compensated Pre-Metallation Strategy for Metal-Ion Batteries and Capacitors. *Angewandte Chemie - International Edition*, **2021**, 60, 17070-17079	16.4	11
180	Structure and Interface Modification of Carbon Dots for Electrochemical Energy Application. *Small*, **2021**, 17, e2102091	11	8
179	Bi Dots Confined by Functional Carbon as High-Performance Anode for Lithium Ion Batteries. *Advanced Functional Materials*, **2021**, 31, 2000756	15.6	43
178	Garnet Solid Electrolyte for Advanced All-Solid-State Li Batteries. *Advanced Energy Materials*, **2021**, 11, 2000648	21.8	74
177	Electrochemically intercalated intermediate induced exfoliation of few-layer MoS2 from molybdenite for long-life sodium storage. *Science China Materials*, **2021**, 64, 115-127	7.1	12
176	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	14.7	9
175	Interfacial challenges towards stable Li metal anode. *Nano Energy*, **2021**, 79, 105507	17.1	35
174	Highly stable zinc metal anode enabled by oxygen functional groups for advanced Zn-ion supercapacitors. *Chemical Communications*, **2021**, 57, 528-531	5.8	15
173	Advanced Carbon Materials for Sodium-Ion Capacitors. *Batteries and Supercaps*, **2021**, 4, 538-553	5.6	7

172	Copper-substituted NaxMO2 (M = Fe, Mn) cathodes for sodium ion batteries: Enhanced cycling stability through suppression of Mn(III) formation. *Chemical Engineering Journal*, **2021**, 406, 126830	14.7	16
171	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	7.8	22
170	Prelithiation/Presodiation Techniques for Advanced Electrochemical Energy Storage Systems: Concepts, Applications, and Perspectives. *Advanced Functional Materials*, **2021**, 31, 2005581	15.6	60
169	Interfacial regulation of dendrite-free zinc anodes through a dynamic hydrophobic molecular membrane. *Journal of Materials Chemistry A*, **2021**, 9, 14265-14269	13	4
168	Olivine LiMnxFe1⊠PO4 cathode materials for lithium ion batteries: restricted factors of rate performances. *Journal of Materials Chemistry A*, **2021**, 9, 14214-14232	13	9
167	Electrochemically captured Zintl cluster-induced bismuthene for sodium-ion storage. *Chemical Communications*, **2021**, 57, 2396-2399	5.8	7
166	Liquid Alloy Interlayer for Aqueous Zinc-Ion Battery. *ACS Energy Letters*, **2021**, 6, 675-683	20.1	47
165	Solid Solution Metal Chalcogenides for Sodium-Ion Batteries: The Recent Advances as Anodes. *Small*, **2021**, 17, e2101058	11	13
164	Electrochemically Engineering Antimony Interspersed on Graphene toward Advanced Sodium-Storage Anodes. *Inorganic Chemistry*, **2021**, 60, 12526-12535	5.1	1
163	Carbon Dots Evoked Li Ion Dynamics for Solid State Battery. *Small*, **2021**, 17, e2102978	11	19
162	The development of carbon dots: From the perspective of materials chemistry. *Materials Today*, **2021**, 51, 188-188	21.8	30
161	Highly efficient re-cycle/generation of LiCoO cathode assisted by 2-naphthalenesulfonic acid. *Journal of Hazardous Materials*, **2021**, 416, 126114	12.8	7
160	Interfacially Redistributed charge for robust lithium metal anode. *Nano Energy*, **2021**, 87, 106212	17.1	17
159	Presodiation Strategies for the Promotion of Sodium-Based Energy Storage Systems. *Chemistry - A European Journal*, **2021**, 27, 16082-16092	4.8	1
158	Revealing dual capacitive mechanism of carbon cathode toward ultrafast quasi-solid-state lithium ion capacitors. *Journal of Energy Chemistry*, **2021**, 60, 209-221	12	15
157	Functional carbon materials processed by NH3 plasma for advanced full-carbon sodium-ion capacitors. *Chemical Engineering Journal*, **2021**, 420, 129647	14.7	13
156	Liquid Alloying Na-K for Sodium Metal Anodes. *Journal of Physical Chemistry Letters*, **2021**, 12, 9321-9327	6.4	2
155	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	10.6	20

154	Reversible OP4 phase in P2Na2/3Ni1/3Mn2/3O2 sodium ion cathode. *Journal of Power Sources*, **2021**, 508, 230324	8.9	12
153	N,S-codoped carbon dots as deposition regulating electrolyte additive for stable lithium metal anode. *Energy Storage Materials*, **2021**, 42, 679-686	19.4	10
152	Nanomaterials for electrochemical energy storage. *Frontiers of Nanoscience*, **2021**, 18, 421-484	0.7	0
151	Electronic Effect and Regiochemistry of Substitution in Pre-sodiation Chemistry. *Journal of Physical Chemistry Letters*, **2021**, 11968-11979	6.4	0
150	Bi-Based Electrode Materials for Alkali Metal-Ion Batteries. *Small*, **2020**, 16, e2004022	11	32
149	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	19.5	64
148	High Sulfur-Doped Hard Carbon with Advanced Potassium Storage Capacity via a Molten Salt Method. *ACS Applied Materials & Interfaces*, **2020**, 12, 30431-30437	9.5	23
147	Defect Rich Hierarchical Porous Carbon for High Power Supercapacitors. *Frontiers in Chemistry*, **2020**, 8, 43	5	19
146	Manganese-based layered oxide cathodes for sodium ion batteries. *Nano Select*, **2020**, 1, 200-225	3.1	10
145	Nitrogen-doped Carbon Coated Na3V2(PO4)3 with Superior Sodium Storage Capability. *Chemical Research in Chinese Universities*, **2020**, 36, 459-466	2.2	24
144	Voltage-Induced High-Efficient In Situ Presodiation Strategy for Sodium Ion Capacitors. *Small Methods*, **2020**, 4, 1900763	12.8	49
143	Quinone/ester-based oxygen functional group-incorporated full carbon Li-ion capacitor for enhanced performance. *Nanoscale*, **2020**, 12, 3677-3685	7.7	45
142	Dendrite-free lithium metal anode with lithiophilic interphase from hierarchical frameworks by tuned nucleation. *Energy Storage Materials*, **2020**, 27, 124-132	19.4	61
141	Carbon materials for high-performance lithium-ion capacitor. *Current Opinion in Electrochemistry*, **2020**, 21, 31-39	7.2	32
140	Hollow carbon microbox from acetylacetone as anode material for sodium-ion batteries. *Journal of Energy Chemistry*, **2020**, 51, 293-302	12	12
139	Ultra-stable Sb confined into N-doped carbon fibers anodes for high-performance potassium-ion batteries. *Science Bulletin*, **2020**, 65, 1003-1012	10.6	44
138	Long-aspect-ratio N-rich carbon nanotubes as anode material for sodium and lithium ion batteries. *Chemical Engineering Journal*, **2020**, 395, 125054	14.7	50
137	Electrochemically activated MnO cathodes for high performance aqueous zinc-ion battery. *Chemical Engineering Journal*, **2020**, 402, 125509	14.7	45

136	H -Insertion Boosted MnO for an Aqueous Zn-Ion Battery. *Small*, **2020**, 16, e1905842	11	126
135	Heteroatom-doped carbon inlaid with Sb2X3 (X=S, Se) nanodots for high-performance potassium-ion batteries. *Chemical Engineering Journal*, **2020**, 385, 123838	14.7	85
134	Chalcopyrite-Derived NaMO (M = Cu, Fe, Mn) Cathode: Tuning Impurities for Self-Doping. *ACS Applied Materials & Interfaces*, **2020**, 12, 2432-2444	9.5	29
133	Graphitic Carbon Quantum Dots Modified Nickel Cobalt Sulfide as Cathode Materials for Alkaline Aqueous Batteries. *Nano-Micro Letters*, **2020**, 12, 16	19.5	74
132	Revealing the activation effects of high valence cobalt in CoMoO4 towards highly reversible conversion. *Nano Energy*, **2020**, 68, 104333	17.1	25
131	Recent progress on electrolyte additives for stable lithium metal anode. *Energy Storage Materials*, **2020**, 32, 306-319	19.4	61
130	Advanced Battery-Type Anode Materials for High-Performance Sodium-Ion Capacitors. *Small Methods*, **2020**, 4, 2000401	12.8	30
129	Pseudo-Bonding and Electric-Field Harmony for Li-Rich Mn-Based Oxide Cathode. *Advanced Functional Materials*, **2020**, 30, 2004302	15.6	70
128	Phase-Controllable Cobalt Phosphides Induced through Hydrogel for Higher Lithium Storages. *Inorganic Chemistry*, **2020**, 59, 6471-6480	5.1	2
127	Chem-Bonding and Phys-Trapping Se Electrode for Long-Life Rechargeable Batteries. *Advanced Functional Materials*, **2019**, 29, 1809014	15.6	24
126	Composition Engineering Boosts Voltage Windows for Advanced Sodium-Ion Batteries. *ACS Nano*, **2019**, 13, 10787-10797	16.7	62
125	A process for combination of recycling lithium and regenerating graphite from spent lithium-ion battery. *Waste Management*, **2019**, 85, 529-537	8.6	92
124	Li4Ti5O12 quantum dot decorated carbon frameworks from carbon dots for fast lithium ion storage. *Materials Chemistry Frontiers*, **2019**, 3, 1761-1767	7.8	10
123	Natural stibnite ore (SbS) embedded in sulfur-doped carbon sheets: enhanced electrochemical properties as anode for sodium ions storage.. *RSC Advances*, **2019**, 9, 15210-15216	3.7	25
122	A kinetically well-matched full-carbon sodium-ion capacitor. *Journal of Materials Chemistry A*, **2019**, 7, 13540-13549	13	87
121	BiMoO Microsphere with Double-Polyaniline Layers toward Ultrastable Lithium Energy Storage by Reinforced Structure. *Inorganic Chemistry*, **2019**, 58, 6410-6421	5.1	16
120	Carbon Anode Materials for Sodium-Ion Batteries **2019**, 1-86		
119	Electrochemically Modulated LiNi1/3Mn1/3Co1/3O2 Cathodes for Lithium-Ion Batteries. *Small Methods*, **2019**, 3, 1900065	12.8	17

118	Surface-Driven Energy Storage Behavior of Dual-Heteroatoms Functionalized Carbon Material. *Advanced Functional Materials*, **2019**, 29, 1900941	15.6	47
117	Honeycomb hard carbon derived from carbon quantum dots as anode material for K-ion batteries. *Materials Chemistry and Physics*, **2019**, 229, 303-309	4.4	60
116	General Synthesis of Heteroatom-Doped Hierarchical Carbon toward Excellent Electrochemical Energy Storage. *Batteries and Supercaps*, **2019**, 2, 712-722	5.6	19
115	The bond evolution mechanism of covalent sulfurized carbon during electrochemical sodium storage process. *Science China Materials*, **2019**, 62, 1127-1138	7.1	44
114	Rod-Like Sb2MoO6: Structure Evolution and Sodium Storage for Sodium-Ion Batteries. *Small Methods*, **2019**, 3, 1800533	12.8	18
113	Single Particle Electrochemistry of Collision. *Small*, **2019**, 15, e1804908	11	18
112	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	19.4	83
111	Carbon quantum dot micelles tailored hollow carbon anode for fast potassium and sodium storage. *Nano Energy*, **2019**, 65, 104038	17.1	180
110	Influence of P doping on Na and K storage properties of N-rich carbon nanosheets. *Materials Chemistry and Physics*, **2019**, 236, 121809	4.4	8
109	Hierarchical NiS2 Modified with Bifunctional Carbon for Enhanced Potassium-Ion Storage. *Advanced Functional Materials*, **2019**, 29, 1903454	15.6	63
108	Yolk-Shell-Structured Bismuth@N-Doped Carbon Anode for Lithium-Ion Battery with High Volumetric Capacity. *ACS Applied Materials & Interfaces*, **2019**, 11, 10829-10840	9.5	90
107	A graphite-modified natural stibnite mineral as a high-performance anode material for sodium-ion storage.. *RSC Advances*, **2019**, 9, 28953-28960	3.7	11
106	Monocrystal Cu3Mo2O9 Confined in Polyaniline Protective Layer: an Effective Strategy for Promoting Lithium Storage Stability. *ChemElectroChem*, **2019**, 6, 1688-1695	4.3	9
105	Hierarchical Hollow-Microsphere Metal Selenide@Carbon Composites with Rational Surface Engineering for Advanced Sodium Storage. *Advanced Energy Materials*, **2019**, 9, 1803035	21.8	171
104	Ultrafast Sodium Full Batteries Derived from X?Fe (X = Co, Ni, Mn) Prussian Blue Analogs. *Advanced Materials*, **2019**, 31, e1806092	24	90
103	Exploration and Size Engineering from Natural Chalcopyrite to High-Performance Electrode Materials for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 6154-6165	9.5	32
102	Controllable Chain-Length for Covalent Sulfur Carbon Materials Enabling Stable and High-Capacity Sodium Storage. *Advanced Energy Materials*, **2019**, 9, 1803478	21.8	110
101	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	6.7	67

100	Octahedral Sb2O3 as high-performance anode for lithium and sodium storage. *Materials Chemistry and Physics*, **2019**, 223, 46-52	4.4	79
99	Electrochemically Exfoliated Phosphorene–Graphene Hybrid for Sodium-Ion Batteries. *Small Methods*, **2019**, 3, 1800328	12.8	50
98	High Ion-Conducting Solid-State Composite Electrolytes with Carbon Quantum Dot Nanofillers. *Advanced Science*, **2018**, 5, 1700996	13.6	94
97	Anions induced evolution of Co3X4 (X = O, S, Se) as sodium-ion anodes: The influences of electronic structure, morphology, electrochemical property. *Nano Energy*, **2018**, 48, 617-629	17.1	171
96	Three-Dimensional Hierarchical Framework Assembled by Cobblestone-Like CoSe@C Nanospheres for Ultrastable Sodium-Ion Storage. *ACS Applied Materials & Interfaces*, **2018**, 10, 14716-14726	9.5	93
95	Binding MoSe2 with carbon constrained in carbonous nanosphere towards high-capacity and ultrafast Li/Na-ion storage. *Energy Storage Materials*, **2018**, 12, 310-323	19.4	144
94	N-rich carbon coated CoSnO3 derived from in situ construction of a Co-MOF with enhanced sodium storage performance. *Journal of Materials Chemistry A*, **2018**, 6, 4839-4847	13	70
93	Electrochemical Investigation of Natural Ore Molybdenite (MoS) as a First-Hand Anode for Lithium Storages. *ACS Applied Materials & Interfaces*, **2018**, 10, 6378-6389	9.5	43
92	Dual Functions of Potassium Antimony(III)-Tartrate in Tuning Antimony/Carbon Composites for Long-Life Na-Ion Batteries. *Advanced Functional Materials*, **2018**, 28, 1705744	15.6	30
91	Multidimensional Evolution of Carbon Structures Underpinned by Temperature-Induced Intermediate of Chloride for Sodium-Ion Batteries. *Advanced Science*, **2018**, 5, 1800080	13.6	86
90	Enhanced stability of sodium storage exhibited by carbon coated Sb2S3 hollow spheres. *Materials Chemistry and Physics*, **2018**, 203, 185-192	4.4	54
89	TiO2 nanosheets anchoring on carbon nanotubes for fast sodium storage. *Electrochimica Acta*, **2018**, 283, 1514-1524	6.7	15
88	Advanced Hierarchical Vesicular Carbon Co-Doped with S, P, N for High-Rate Sodium Storage. *Advanced Science*, **2018**, 5, 1800241	13.6	177
87	Nickel Chelate Derived NiS2 Decorated with Bifunctional Carbon: An Efficient Strategy to Promote Sodium Storage Performance. *Advanced Functional Materials*, **2018**, 28, 1803690	15.6	72
86	Tailoring Rod-Like FeSe2 Coated with Nitrogen-Doped Carbon for High-Performance Sodium Storage. *Advanced Functional Materials*, **2018**, 28, 1801765	15.6	196
85	Electrochemical exfoliation of graphene-like two-dimensional nanomaterials. *Nanoscale*, **2018**, 11, 16-33	7.7	126
84	Metal-Organic Framework-Derived Materials for Sodium Energy Storage. *Small*, **2018**, 14, 1702648	11	102
83	Molecular-Level CuS@S Hybrid Nanosheets Constructed by Mineral Chemistry for Energy Storage Systems. *ACS Applied Materials & Interfaces*, **2018**, 10, 43669-43681	9.5	27

82	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	17.1	50
81	N-Rich carbon-coated CoS ultrafine nanocrystals derived from ZIF-67 as an advanced anode for sodium-ion batteries. *Nanoscale*, **2018**, 10, 18786-18794	7.7	70
80	Perovskite ABO3-Type MOF-Derived Carbon Decorated Fe3O4 with Enhanced Lithium Storage Performance. *ChemElectroChem*, **2018**, 5, 3426-3436	4.3	7
79	Size-Tunable Natural Mineral-Molybdenite for Lithium-Ion Batteries Toward: Enhanced Storage Capacity and Quicken Ions Transferring. *Frontiers in Chemistry*, **2018**, 6, 389	5	15
78	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	13	19
77	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	4.4	23
76	Energy Storage: Large-Area Carbon Nanosheets Doped with Phosphorus: A High-Performance Anode Material for Sodium-Ion Batteries (Adv. Sci. 1/2017). *Advanced Science*, **2017**, 4,	13.6	3
75	Nickel nanoparticles supported on nitrogen-doped honeycomb-like carbon frameworks for effective methanol oxidation. *RSC Advances*, **2017**, 7, 14152-14158	3.7	43
74	Rose-like N-doped Porous Carbon for Advanced Sodium Storage. *Electrochimica Acta*, **2017**, 240, 24-30	6.7	39
73	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	3.9	16
72	High-rate sodium ion anodes assisted by N-doped carbon sheets. *Sustainable Energy and Fuels*, **2017** , 1, 1130-1136	5.8	19
71	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	3.6	32
70	Alternating Voltage Introduced [001]-Oriented □MoO3 Microrods for High-Performance Sodium-ion Batteries. *Electrochimica Acta*, **2017**, 245, 949-956	6.7	20
69	Nanosizing Pd on 3D porous carbon frameworks as effective catalysts for selective phenylacetylene hydrogenation. *RSC Advances*, **2017**, 7, 15309-15314	3.7	21
68	Carbon Anode Materials for Advanced Sodium-Ion Batteries. *Advanced Energy Materials*, **2017**, 7, 1602898	21.8	649
67	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	8.9	55
66	Sulfur-doped carbon employing biomass-activated carbon as a carrier with enhanced sodium storage behavior. *Journal of Materials Chemistry A*, **2017**, 5, 24353-24360	13	42
65	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	3.6	12

64	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	13	48
63	Rodlike SbSe Wrapped with Carbon: The Exploring of Electrochemical Properties in Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 34979-34989	9.5	78
62	Constructing hierarchical sulfur-doped nitrogenous carbon nanosheets for sodium-ion storage. *Nanotechnology*, **2017**, 28, 445604	3.4	13
61	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	9.5	47
60	Nano-confined Mo2C Particles Embedded in a Porous Carbon Matrix: A Promising Anode for Ultra-stable Na Storage. *ChemElectroChem*, **2017**, 4, 2669-2676	4.3	15
59	Layer-Tunable Phosphorene Modulated by the Cation Insertion Rate as a Sodium-Storage Anode. *Advanced Materials*, **2017**, 29, 1702372	24	128
58	Preparation of S/N-codoped carbon nanosheets with tunable interlayer distance for high-rate sodium-ion batteries. *Green Chemistry*, **2017**, 19, 4622-4632	10	65
57	Molybdenum Phosphide: A Conversion-type Anode for Ultralong-Life Sodium-Ion Batteries. *Chemistry of Materials*, **2017**, 29, 7313-7322	9.6	89
56	Controllable Interlayer Spacing of Sulfur-Doped Graphitic Carbon Nanosheets for Fast Sodium-Ion Batteries. *Small*, **2017**, 13, 1700762	11	112
55	Nitrogen Doped/Carbon Tuning Yolk-Like TiO2 and Its Remarkable Impact on Sodium Storage Performances. *Advanced Energy Materials*, **2017**, 7, 1600173	21.8	138
54	Large-Area Carbon Nanosheets Doped with Phosphorus: A High-Performance Anode Material for Sodium-Ion Batteries. *Advanced Science*, **2017**, 4, 1600243	13.6	356
53	Graphene-Rich Wrapped Petal-Like Rutile TiO tuned by Carbon Dots for High-Performance Sodium Storage. *Advanced Materials*, **2016**, 28, 9391-9399	24	226
52	Size-Tunable Olive-Like Anatase TiO Coated with Carbon as Superior Anode for Sodium-Ion Batteries. *Small*, **2016**, 12, 5554-5563	11	65
51	Porous Carbon Induced Anatase TiO2Nanodots/Carbon Composites for High-Performance Sodium-Ion Batteries. *Journal of the Electrochemical Society*, **2016**, 163, A3117-A3125	3.9	19
50	Pinecone-like hierarchical anatase TiO2 bonded with carbon enabling ultrahigh cycling rates for sodium storage. *Journal of Materials Chemistry A*, **2016**, 4, 12591-12601	13	70
49	Alternating voltage induced ordered anatase TiO2 nanopores: An electrochemical investigation of sodium storage. *Journal of Power Sources*, **2016**, 336, 196-202	8.9	17
48	Sodium titanate cuboid as advanced anode material for sodium ion batteries. *Journal of Power Sources*, **2016**, 305, 200-208	8.9	42
47	Activated Flake Graphite Coated with Pyrolysis Carbon as Promising Anode for Lithium Storage. *Electrochimica Acta*, **2016**, 196, 405-412	6.7	17

46	Cube-shaped Porous Carbon Derived from MOF-5 as Advanced Material for Sodium-Ion Batteries. *Electrochimica Acta*, **2016**, 196, 413-421	6.7	92
45	Black Anatase Titania with Ultrafast Sodium-Storage Performances Stimulated by Oxygen Vacancies. *ACS Applied Materials & Interfaces*, **2016**, 8, 9142-51	9.5	159
44	Alternating voltage induced electrochemical synthesis of three-dimensionalization copper oxide for lithium-ion battery application. *Chemical Physics Letters*, **2016**, 653, 30-34	2.5	7
43	Mo-doped Gray Anatase TiO 2 : Lattice Expansion for Enhanced Sodium Storage. *Electrochimica Acta*, **2016**, 219, 227-234	6.7	36
42	3D Porous Carbon Encapsulated SnO2 Nanocomposite for Ultrastable Sodium Ion Batteries. *Electrochimica Acta*, **2016**, 214, 156-164	6.7	47
41	Electrochemically alternating voltage tuned Co2MnO4/Co hydroxide chloride for an asymmetric supercapacitor. *Electrochimica Acta*, **2015**, 165, 198-205	6.7	23
40	An Electrochemically Anodic Study of Anatase TiO2 Tuned through Carbon-Coating for High-performance Lithium-ion Battery. *Electrochimica Acta*, **2015**, 164, 330-336	6.7	17
39	Cypress leaf-like Sb as anode material for high-performance sodium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 17549-17552	13	47
38	Carbon quantum dot coated Mn3O4 with enhanced performances for lithium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 16824-16830	13	84
37	An electrochemical exploration of hollow NiCo 2 O 4 submicrospheres and its capacitive performances. *Journal of Power Sources*, **2015**, 287, 307-315	8.9	65
36	Antimony nanoparticles anchored on interconnected carbon nanofibers networks as advanced anode material for sodium-ion batteries. *Journal of Power Sources*, **2015**, 284, 227-235	8.9	94
35	Sb porous hollow microspheres as advanced anode materials for sodium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 2971-2977	13	130
34	An electrochemical investigation of rutile TiO2 microspheres anchored by nanoneedle clusters for sodium storage. *Physical Chemistry Chemical Physics*, **2015**, 17, 15764-70	3.6	66
33	Alternating Voltage Introduced NiCo Double Hydroxide Layered Nanoflakes for an Asymmetric Supercapacitor. *ACS Applied Materials & Interfaces*, **2015**, 7, 22741-4	9.5	99
32	Enhanced sodium storage behavior of carbon coated anatase TiO2 hollow spheres. *Journal of Materials Chemistry A*, **2015**, 3, 18944-18952	13	88
31	One-Dimensional Rod-Like Sb□□Based Anode for High-Performance Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 19362-9	9.5	193
30	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	8.9	67
29	Alternating voltage induced porous Co3O4 sheets: an exploration of its supercapacity properties. *RSC Advances*, **2015**, 5, 177-183	3.7	16

28	Mechanistic investigation of ion migration in Na3V2(PO4)2F3 hybrid-ion batteries. *Physical Chemistry Chemical Physics*, **2015**, 17, 159-65	3.6	45
27	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	13	238
26	Sodium-Ion Batteries: Carbon Quantum Dots and Their Derivative 3D Porous Carbon Frameworks for Sodium-Ion Batteries with Ultralong Cycle Life (Adv. Mater. 47/2015). *Advanced Materials*, **2015**, 27, 7895-7895	24	8
25	Carbon Quantum Dots and Their Derivative 3D Porous Carbon Frameworks for Sodium-Ion Batteries with Ultralong Cycle Life. *Advanced Materials*, **2015**, 27, 7861-6	24	892
24	Ti3+ Self-Doped Dark Rutile TiO2 Ultrafine Nanorods with Durable High-Rate Capability for Lithium-Ion Batteries. *Advanced Functional Materials*, **2015**, 25, 6793-6801	15.6	189
23	Carbon dots supported upon N-doped TiO2 nanorods applied into sodium and lithium ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 5648-5655	13	197
22	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	8.9	51
21	Size-Tunable Single-Crystalline Anatase TiO2 Cubes as Anode Materials for Lithium Ion Batteries. *Journal of Physical Chemistry C*, **2015**, 119, 3923-3930	3.8	45
20	Electrochemically Alternating Voltage Induced Mn3O4/Graphite Powder Composite with Enhanced Electrochemical Performances for Lithium-ion Batteries. *Electrochimica Acta*, **2015**, 155, 157-163	6.7	27
19	Investigation of the sodium ion pathway and cathode behavior in Na□V□(PO□)□□ combined via a first principles calculation. *Langmuir*, **2014**, 30, 12438-46	4	78
18	NiSb alloy hollow nanospheres as anode materials for rechargeable lithium ion batteries. *Chemical Communications*, **2014**, 50, 8201-3	5.8	41
17	3D network-like mesoporous NiCo2O4 nanostructures as advanced electrode material for supercapacitors. *Electrochimica Acta*, **2014**, 149, 144-151	6.7	66
16	An Electrochemical Study of Sb/Acetylene Black Composite as Anode for Sodium-Ion Batteries. *Electrochimica Acta*, **2014**, 146, 328-334	6.7	73
15	High-voltage NASICON Sodium Ion Batteries: Merits of Fluorine Insertion. *Electrochimica Acta*, **2014**, 146, 142-150	6.7	54
14	An Asymmetric Ultracapacitors Utilizing □Co(OH)2/Co3O4 Flakes Assisted by Electrochemically Alternating Voltage. *Electrochimica Acta*, **2014**, 141, 234-240	6.7	108
13	Sodium/Lithium storage behavior of antimony hollow nanospheres for rechargeable batteries. *ACS Applied Materials & Interfaces*, **2014**, 6, 16189-96	9.5	170
12	Lithium Titanate Tailored by Cathodically Induced Graphene for an Ultrafast Lithium Ion Battery. *Advanced Functional Materials*, **2014**, 24, 4349-4356	15.6	126
11	Facile preparation of Sn hollow nanospheres anodes for lithium-ion batteries by galvanic replacement. *Materials Letters*, **2014**, 128, 408-411	3.3	24

10	Spinel NiCo2O4 for use as a high-performance supercapacitor electrode material: Understanding of its electrochemical properties. *Journal of Power Sources*, **2014**, 267, 888-900	8.9	191
9	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		5
8	High-Throughput Production of Cheap Mineral-Based Heterostructures for High Power Sodium Ion Capacitors. *Advanced Functional Materials*,2110476	15.6	12
7	Atomical Reconstruction and Cationic Reordering for Nickel-Rich Layered Cathodes. *Advanced Energy Materials*,2103757	21.8	9
6	A high-rate capability LiFePO4/C cathode achieved by the modulation of the band structures. *Journal of Materials Chemistry A*,	13	3
5	Iron-Based Layered Cathodes for Sodium-Ion Batteries. *Batteries and Supercaps*,	5.6	1
4	Element substitution of a spinel LiMn2O4 cathode. *Journal of Materials Chemistry A*,	13	16
3	Dianion Induced Electron Delocalization of Trifunctional Electrocatalysts for Rechargeable Zn–Air Batteries and Self-Powered Water Splitting. *Advanced Functional Materials*,2201944	15.6	5
2	High-Yield Carbon Dots Interlayer for Ultra-Stable Zinc Batteries. *Advanced Energy Materials*,2200665	21.8	11
1	Enabling Reversible Reaction by Uniform Distribution of Heterogeneous Intermediates on Defect-Rich SnSSe/C Layered Heterostructure for Ultralong-Cycling Sodium Storage. *Small*,2202134	11	0