Hongshuai Hou

List of Publications by Citations

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	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
206	Carbon Anode Materials for Advanced Sodium-Ion Batteries. *Advanced Energy Materials*, **2017**, 7, 1602898	21.8	649
205	Large-Area Carbon Nanosheets Doped with Phosphorus: A High-Performance Anode Material for Sodium-Ion Batteries. *Advanced Science*, **2017**, 4, 1600243	13.6	356
204	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
203	Graphene-Rich Wrapped Petal-Like Rutile TiO tuned by Carbon Dots for High-Performance Sodium Storage. *Advanced Materials*, **2016**, 28, 9391-9399	24	226
202	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
201	Tailoring Rod-Like FeSe2 Coated with Nitrogen-Doped Carbon for High-Performance Sodium Storage. *Advanced Functional Materials*, **2018**, 28, 1801765	15.6	196
200	One-Dimensional Rod-Like Sb□□Based Anode for High-Performance Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 19362-9	9.5	193
199	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
198	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
197	Carbon quantum dot micelles tailored hollow carbon anode for fast potassium and sodium storage. *Nano Energy*, **2019**, 65, 104038	17.1	180
196	Advanced Hierarchical Vesicular Carbon Co-Doped with S, P, N for High-Rate Sodium Storage. *Advanced Science*, **2018**, 5, 1800241	13.6	177
195	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
194	Hierarchical Hollow-Microsphere Metal□Selenide@Carbon Composites with Rational Surface Engineering for Advanced Sodium Storage. *Advanced Energy Materials*, **2019**, 9, 1803035	21.8	171
193	Sodium/Lithium storage behavior of antimony hollow nanospheres for rechargeable batteries. *ACS Applied Materials & Interfaces*, **2014**, 6, 16189-96	9.5	170
192	Black Anatase Titania with Ultrafast Sodium-Storage Performances Stimulated by Oxygen Vacancies. *ACS Applied Materials & Interfaces*, **2016**, 8, 9142-51	9.5	159
191	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

190	Nitrogen Doped/Carbon Tuning Yolk-Like TiO2 and Its Remarkable Impact on Sodium Storage Performances. *Advanced Energy Materials*, **2017**, 7, 1600173	21.8	138
189	Sb porous hollow microspheres as advanced anode materials for sodium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 2971-2977	13	130
188	Layer-Tunable Phosphorene Modulated by the Cation Insertion Rate as a Sodium-Storage Anode. *Advanced Materials*, **2017**, 29, 1702372	24	128
187	Lithium Titanate Tailored by Cathodically Induced Graphene for an Ultrafast Lithium Ion Battery. *Advanced Functional Materials*, **2014**, 24, 4349-4356	15.6	126
186	H -Insertion Boosted □MnO for an Aqueous Zn-Ion Battery. *Small*, **2020**, 16, e1905842	11	126
185	Electrochemical exfoliation of graphene-like two-dimensional nanomaterials. *Nanoscale*, **2018**, 11, 16-33	7.7	126
184	Controllable Interlayer Spacing of Sulfur-Doped Graphitic Carbon Nanosheets for Fast Sodium-Ion Batteries. *Small*, **2017**, 13, 1700762	11	112
183	Controllable Chain-Length for Covalent Sulfur□Carbon Materials Enabling Stable and High-Capacity Sodium Storage. *Advanced Energy Materials*, **2019**, 9, 1803478	21.8	110
182	An Asymmetric Ultracapacitors Utilizing □Co(OH)2/Co3O4 Flakes Assisted by Electrochemically Alternating Voltage. *Electrochimica Acta*, **2014**, 141, 234-240	6.7	108
181	Metal-Organic Framework-Derived Materials for Sodium Energy Storage. *Small*, **2018**, 14, 1702648	11	102
180	Alternating Voltage Introduced NiCo Double Hydroxide Layered Nanoflakes for an Asymmetric Supercapacitor. *ACS Applied Materials & Interfaces*, **2015**, 7, 22741-4	9.5	99
179	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
178	High Ion-Conducting Solid-State Composite Electrolytes with Carbon Quantum Dot Nanofillers. *Advanced Science*, **2018**, 5, 1700996	13.6	94
177	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
176	A process for combination of recycling lithium and regenerating graphite from spent lithium-ion battery. *Waste Management*, **2019**, 85, 529-537	8.6	92
175	Cube-shaped Porous Carbon Derived from MOF-5 as Advanced Material for Sodium-Ion Batteries. *Electrochimica Acta*, **2016**, 196, 413-421	6.7	92
174	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
173	Ultrafast Sodium Full Batteries Derived from X?Fe (X = Co, Ni, Mn) Prussian Blue Analogs. *Advanced Materials*, **2019**, 31, e1806092	24	90

172	Molybdenum Phosphide: A Conversion-type Anode for Ultralong-Life Sodium-Ion Batteries. *Chemistry of Materials*, **2017**, 29, 7313-7322	9.6	89
171	Enhanced sodium storage behavior of carbon coated anatase TiO2 hollow spheres. *Journal of Materials Chemistry A*, **2015**, 3, 18944-18952	13	88
170	A kinetically well-matched full-carbon sodium-ion capacitor. *Journal of Materials Chemistry A*, **2019**, 7, 13540-13549	13	87
169	Multidimensional Evolution of Carbon Structures Underpinned by Temperature-Induced Intermediate of Chloride for Sodium-Ion Batteries. *Advanced Science*, **2018**, 5, 1800080	13.6	86
168	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
167	Carbon quantum dot coated Mn3O4 with enhanced performances for lithium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 16824-16830	13	84
166	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
165	Octahedral Sb2O3 as high-performance anode for lithium and sodium storage. *Materials Chemistry and Physics*, **2019**, 223, 46-52	4.4	79
164	Investigation of the sodium ion pathway and cathode behavior in Na$_3$V$_2$(PO$_4$)$_3$ combined via a first principles calculation. *Langmuir*, **2014**, 30, 12438-46	4	78
163	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
162	Graphitic Carbon Quantum Dots Modified Nickel Cobalt Sulfide as Cathode Materials for Alkaline Aqueous Batteries. *Nano-Micro Letters*, **2020**, 12, 16	19.5	74
161	Garnet Solid Electrolyte for Advanced All-Solid-State Li Batteries. *Advanced Energy Materials*, **2021**, 11, 2000648	21.8	74
160	An Electrochemical Study of Sb/Acetylene Black Composite as Anode for Sodium-Ion Batteries. *Electrochimica Acta*, **2014**, 146, 328-334	6.7	73
159	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
158	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
157	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
156	Pseudo-Bonding and Electric-Field Harmony for Li-Rich Mn-Based Oxide Cathode. *Advanced Functional Materials*, **2020**, 30, 2004302	15.6	70
155	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

154	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
153	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
152	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
151	3D network-like mesoporous NiCo2O4 nanostructures as advanced electrode material for supercapacitors. *Electrochimica Acta*, **2014**, 149, 144-151	6.7	66
150	Fundamental and solutions of microcrack in Ni-rich layered oxide cathode materials of lithium-ion batteries. *Nano Energy*, **2021**, 83, 105854	17.1	66
149	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
148	Size-Tunable Olive-Like Anatase TiO Coated with Carbon as Superior Anode for Sodium-Ion Batteries. *Small*, **2016**, 12, 5554-5563	11	65
147	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
146	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
145	Hierarchical NiS2 Modified with Bifunctional Carbon for Enhanced Potassium-Ion Storage. *Advanced Functional Materials*, **2019**, 29, 1903454	15.6	63
144	Composition Engineering Boosts Voltage Windows for Advanced Sodium-Ion Batteries. *ACS Nano*, **2019**, 13, 10787-10797	16.7	62
143	Dendrite-free lithium metal anode with lithiophilic interphase from hierarchical frameworks by tuned nucleation. *Energy Storage Materials*, **2020**, 27, 124-132	19.4	61
142	Recent progress on electrolyte additives for stable lithium metal anode. *Energy Storage Materials*, **2020**, 32, 306-319	19.4	61
141	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
140	Kilogram-Scale Synthesis and Functionalization of Carbon Dots for Superior Electrochemical Potassium Storage. *ACS Nano*, **2021**, 15, 6872-6885	16.7	60
139	Prelithiation/Presodiation Techniques for Advanced Electrochemical Energy Storage Systems: Concepts, Applications, and Perspectives. *Advanced Functional Materials*, **2021**, 31, 2005581	15.6	60
138	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
137	Enhanced stability of sodium storage exhibited by carbon coated Sb2S3 hollow spheres. *Materials Chemistry and Physics*, **2018**, 203, 185-192	4.4	54

136	High-voltage NASICON Sodium Ion Batteries: Merits of Fluorine Insertion. *Electrochimica Acta*, **2014**, 146, 142-150	6.7	54
135	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
134	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
133	Electrochemically Exfoliated Phosphorene□Graphene Hybrid for Sodium-Ion Batteries. *Small Methods*, **2019**, 3, 1800328	12.8	50
132	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
131	Voltage-Induced High-Efficient In Situ Presodiation Strategy for Sodium Ion Capacitors. *Small Methods*, **2020**, 4, 1900763	12.8	49
130	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
129	Surface-Driven Energy Storage Behavior of Dual-Heteroatoms Functionalized Carbon Material. *Advanced Functional Materials*, **2019**, 29, 1900941	15.6	47
128	Cypress leaf-like Sb as anode material for high-performance sodium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 17549-17552	13	47
127	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
126	3D Porous Carbon Encapsulated SnO2 Nanocomposite for Ultrastable Sodium Ion Batteries. *Electrochimica Acta*, **2016**, 214, 156-164	6.7	47
125	Liquid Alloy Interlayer for Aqueous Zinc-Ion Battery. *ACS Energy Letters*, **2021**, 6, 675-683	20.1	47
124	Comprehensive Understanding of Sodium-Ion Capacitors: Definition, Mechanisms, Configurations, Materials, Key Technologies, and Future Developments. *Advanced Energy Materials*, **2021**, 11, 2003804	21.8	46
123	Mechanistic investigation of ion migration in Na3V2(PO4)2F3 hybrid-ion batteries. *Physical Chemistry Chemical Physics*, **2015**, 17, 159-65	3.6	45
122	Quinone/ester-based oxygen functional group-incorporated full carbon Li-ion capacitor for enhanced performance. *Nanoscale*, **2020**, 12, 3677-3685	7.7	45
121	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
120	Electrochemically activated MnO cathodes for high performance aqueous zinc-ion battery. *Chemical Engineering Journal*, **2020**, 402, 125509	14.7	45
119	The bond evolution mechanism of covalent sulfurized carbon during electrochemical sodium storage process. *Science China Materials*, **2019**, 62, 1127-1138	7.1	44

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116	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
115	Bi Dots Confined by Functional Carbon as High-Performance Anode for Lithium Ion Batteries. *Advanced Functional Materials*, **2021**, 31, 2000756	15.6	43
114	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
113	Sodium titanate cuboid as advanced anode material for sodium ion batteries. *Journal of Power Sources*, **2016**, 305, 200-208	8.9	42
112	NiSb alloy hollow nanospheres as anode materials for rechargeable lithium ion batteries. *Chemical Communications*, **2014**, 50, 8201-3	5.8	41
111	Rose-like N-doped Porous Carbon for Advanced Sodium Storage. *Electrochimica Acta*, **2017**, 240, 24-30	6.7	39
110	Mo-doped Gray Anatase TiO 2 : Lattice Expansion for Enhanced Sodium Storage. *Electrochimica Acta*, **2016**, 219, 227-234	6.7	36
109	Functionalized carbon dots for advanced batteries. *Energy Storage Materials*, **2021**, 37, 8-39	19.4	35
108	Interfacial challenges towards stable Li metal anode. *Nano Energy*, **2021**, 79, 105507	17.1	35
107	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
106	Bi-Based Electrode Materials for Alkali Metal-Ion Batteries. *Small*, **2020**, 16, e2004022	11	32
105	Carbon materials for high-performance lithium-ion capacitor. *Current Opinion in Electrochemistry*, **2020**, 21, 31-39	7.2	32
104	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
103	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
102	Advanced Battery-Type Anode Materials for High-Performance Sodium-Ion Capacitors. *Small Methods*, **2020**, 4, 2000401	12.8	30
101	The development of carbon dots: From the perspective of materials chemistry. *Materials Today*, **2021**, 51, 188-188	21.8	30

100	Chalcopyrite-Derived NaMO (M = Cu, Fe, Mn) Cathode: Tuning Impurities for Self-Doping. *ACS Applied Materials & Interfaces*, **2020**, 12, 2432-2444	9.5	29
99	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
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97	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
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95	Demystifying the Lattice Oxygen Redox in Layered Oxide Cathode Materials of Lithium-Ion Batteries. *ACS Nano*, **2021**, 15, 6061-6104	16.7	25
94	Chem-Bonding and Phys-Trapping Se Electrode for Long-Life Rechargeable Batteries. *Advanced Functional Materials*, **2019**, 29, 1809014	15.6	24
93	Nitrogen-doped Carbon Coated Na3V2(PO4)3 with Superior Sodium Storage Capability. *Chemical Research in Chinese Universities*, **2020**, 36, 459-466	2.2	24
92	Facile preparation of Sn hollow nanospheres anodes for lithium-ion batteries by galvanic replacement. *Materials Letters*, **2014**, 128, 408-411	3.3	24
91	Electrochemically alternating voltage tuned Co2MnO4/Co hydroxide chloride for an asymmetric supercapacitor. *Electrochimica Acta*, **2015**, 165, 198-205	6.7	23
90	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
89	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
88	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
87	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
86	Nanosizing Pd on 3D porous carbon frameworks as effective catalysts for selective phenylacetylene hydrogenation. *RSC Advances*, **2017**, 7, 15309-15314	3.7	21
85	Alternating Voltage Introduced [001]-Oriented □MoO3 Microrods for High-Performance Sodium-ion Batteries. *Electrochimica Acta*, **2017**, 245, 949-956	6.7	20
84	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
83	Crack-free single-crystalline Co-free Ni-rich LiNi0.95Mn0.05O2 layered cathode. *EScience*, **2022**,		20

82	High-rate sodium ion anodes assisted by N-doped carbon sheets. *Sustainable Energy and Fuels*, **2017**, 1, 1130-1136	5.8	19
81	General Synthesis of Heteroatom-Doped Hierarchical Carbon toward Excellent Electrochemical Energy Storage. *Batteries and Supercaps*, **2019**, 2, 712-722	5.6	19
80	Defect Rich Hierarchical Porous Carbon for High Power Supercapacitors. *Frontiers in Chemistry*, **2020**, 8, 43	5	19
79	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
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	Carbon Dots Evoked Li Ion Dynamics for Solid State Battery. *Small*, **2021**, 17, e2102978	11	19
76	Rod-Like Sb2MoO6: Structure Evolution and Sodium Storage for Sodium-Ion Batteries. *Small Methods*, **2019**, 3, 1800533	12.8	18
75	Single Particle Electrochemistry of Collision. *Small*, **2019**, 15, e1804908	11	18
74	Electrochemically Modulated LiNi1/3Mn1/3Co1/3O2 Cathodes for Lithium-Ion Batteries. *Small Methods*, **2019**, 3, 1900065	12.8	17
73	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
72	Alternating voltage induced ordered anatase TiO2 nanopores: An electrochemical investigation of sodium storage. *Journal of Power Sources*, **2016**, 336, 196-202	8.9	17
71	Activated Flake Graphite Coated with Pyrolysis Carbon as Promising Anode for Lithium Storage. *Electrochimica Acta*, **2016**, 196, 405-412	6.7	17
70	Interfacially Redistributed charge for robust lithium metal anode. *Nano Energy*, **2021**, 87, 106212	17.1	17
69	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
68	BiMoO Microsphere with Double-Polyaniline Layers toward Ultrastable Lithium Energy Storage by Reinforced Structure. *Inorganic Chemistry*, **2019**, 58, 6410-6421	5.1	16
67	Alternating voltage induced porous Co3O4 sheets: an exploration of its supercapacity properties. *RSC Advances*, **2015**, 5, 177-183	3.7	16
66	Confined N-CoSe2 active sites boost bifunctional oxygen electrocatalysis for rechargeable Zn–air batteries. *Nano Energy*, **2021**, 91, 106675	17.1	16
65	Graphene quantum dots enable dendrite-free zinc ion battery. *Nano Energy*, **2022**, 92, 106752	17.1	16

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63	Element substitution of a spinel LiMn2O4 cathode. *Journal of Materials Chemistry A*,	13	16
62	TiO2 nanosheets anchoring on carbon nanotubes for fast sodium storage. *Electrochimica Acta*, **2018**, 283, 1514-1524	6.7	15
61	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
60	Highly stable zinc metal anode enabled by oxygen functional groups for advanced Zn-ion supercapacitors. *Chemical Communications*, **2021**, 57, 528-531	5.8	15
59	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
58	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
57	Constructing hierarchical sulfur-doped nitrogenous carbon nanosheets for sodium-ion storage. *Nanotechnology*, **2017**, 28, 445604	3.4	13
56	Solid Solution Metal Chalcogenides for Sodium-Ion Batteries: The Recent Advances as Anodes. *Small*, **2021**, 17, e2101058	11	13
55	Functional carbon materials processed by NH3 plasma for advanced full-carbon sodium-ion capacitors. *Chemical Engineering Journal*, **2021**, 420, 129647	14.7	13
54	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
53	Hollow carbon microbox from acetylacetone as anode material for sodium-ion batteries. *Journal of Energy Chemistry*, **2020**, 51, 293-302	12	12
52	High-Throughput Production of Cheap Mineral-Based Heterostructures for High Power Sodium Ion Capacitors. *Advanced Functional Materials*,2110476	15.6	12
51	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
50	Reversible OP4 phase in P2Na2/3Ni1/3Mn2/3O2 sodium ion cathode. *Journal of Power Sources*, **2021**, 508, 230324	8.9	12
49	Advanced Pre-Diagnosis Method of Biomass Intermediates Toward High Energy Dual-Carbon Potassium-Ion Capacitor. *Advanced Energy Materials*, **2022**, 12, 2103221	21.8	12
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47	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

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43	Hierarchical bismuth composite for fast lithium storage: Carbon dots tuned interfacial interaction. *Energy Storage Materials*, **2022**, 44, 145-155	19.4	10
42	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
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