Xing-Long Wu

List of Publications by Citations

262 papers	14,856 citations	60 h-index	114 g-index
286 ext. papers	17,333 ext. citations	9.6 avg, IF	6.9 L-index

#	Paper	IF	Citations
262	Carbon Coated Fe3O4 Nanospindles as a Superior Anode Material for Lithium-Ion Batteries. *Advanced Functional Materials*, **2008**, 18, 3941-3946	15.6	1119
261	High-quality Prussian blue crystals as superior cathode materials for room-temperature sodium-ion batteries. *Energy and Environmental Science*, **2014**, 7, 1643-1647	35.4	691
260	Synthesis and Lithium Storage Properties of Co3O4 Nanosheet-Assembled Multishelled Hollow Spheres. *Advanced Functional Materials*, **2010**, 20, 1680-1686	15.6	615
259	LiFePO4 Nanoparticles Embedded in a Nanoporous Carbon Matrix: Superior Cathode Material for Electrochemical Energy-Storage Devices. *Advanced Materials*, **2009**, 21, 2710-2714	24	597
258	Single-crystal dendritic micro-pines of magnetic alpha-Fe2O3: large-scale synthesis, formation mechanism, and properties. *Angewandte Chemie - International Edition*, **2005**, 44, 4197-201	16.4	407
257	Synthesis of CuO/graphene nanocomposite as a high-performance anode material for lithium-ion batteries. *Journal of Materials Chemistry*, **2010**, 20, 10661		346
256	Carbon-Nanotube-Decorated Nano-LiFePO4 @C Cathode Material with Superior High-Rate and Low-Temperature Performances for Lithium-Ion Batteries. *Advanced Energy Materials*, **2013**, 3, 1155-1160	21.8	294
255	A High-Energy Lithium-Ion Capacitor by Integration of a 3D Interconnected Titanium Carbide Nanoparticle Chain Anode with a Pyridine-Derived Porous Nitrogen-Doped Carbon Cathode. *Advanced Functional Materials*, **2016**, 26, 3082-3093	15.6	292
254	Highly Dispersed RuO2 Nanoparticles on Carbon Nanotubes: Facile Synthesis and Enhanced Supercapacitance Performance. *Journal of Physical Chemistry C*, **2010**, 114, 2448-2451	3.8	274
253	High-Energy/Power and Low-Temperature Cathode for Sodium-Ion Batteries: In Situ XRD Study and Superior Full-Cell Performance. *Advanced Materials*, **2017**, 29, 1701968	24	266
252	□Fe2O3 Nanostructures: Inorganic Salt-Controlled Synthesis and Their Electrochemical Performance toward Lithium Storage. *Journal of Physical Chemistry C*, **2008**, 112, 16824-16829	3.8	200
251	Symbiotic Coaxial Nanocables: Facile Synthesis and an Efficient and Elegant Morphological Solution to the Lithium Storage Problem. *Chemistry of Materials*, **2010**, 22, 1908-1914	9.6	185
250	N-Doped Carbon-Coated Ni1.8Co1.2Se4 Nanoaggregates Encapsulated in N-Doped Carbon Nanoboxes as Advanced Anode with Outstanding High-Rate and Low-Temperature Performance for Sodium-Ion Half/Full Batteries. *Advanced Functional Materials*, **2018**, 28, 1805444	15.6	175
249	Solvothermal Synthesis of LiFePO4 Hierarchically Dumbbell-Like Microstructures by Nanoplate Self-Assembly and Their Application as a Cathode Material in Lithium-Ion Batteries. *Journal of Physical Chemistry C*, **2009**, 113, 3345-3351	3.8	172
248	SnO2-Based Hierarchical Nanomicrostructures: Facile Synthesis and Their Applications in Gas Sensors and Lithium-Ion Batteries. *Journal of Physical Chemistry C*, **2009**, 113, 14213-14219	3.8	171
247	A Scalable Strategy To Develop Advanced Anode for Sodium-Ion Batteries: Commercial FeO-Derived FeO@FeS with Superior Full-Cell Performance. *ACS Applied Materials & Interfaces*, **2018**, 10, 3581-3589	9.5	165
246	Rational design of anode materials based on Group IVA elements (Si, Ge, and Sn) for lithium-ion batteries. *Chemistry - an Asian Journal*, **2013**, 8, 1948-58	4.5	163

245	An Ultralong Lifespan and Low-Temperature Workable Sodium-Ion Full Battery for Stationary Energy Storage. *Advanced Energy Materials*, **2018**, 8, 1703252	21.8	160
244	A zero-strain insertion cathode material of nickel ferricyanide for sodium-ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 14061	13	159
243	Controllable Preparation of Square Nickel Chalcogenide (NiS and NiSe2) Nanoplates for Superior Li/Na Ion Storage Properties. *ACS Applied Materials & Interfaces*, **2016**, 8, 25261-7	9.5	145
242	In Situ Binding Sb Nanospheres on Graphene via Oxygen Bonds as Superior Anode for Ultrafast Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 7790-9	9.5	145
241	A Superior Na3 V2 (PO4)3 -Based Nanocomposite Enhanced by Both N-Doped Coating Carbon and Graphene as the Cathode for Sodium-Ion Batteries. *Chemistry - A European Journal*, **2015**, 21, 17371-8	4.8	145
240	P2-type Na2/3Mn1-xAlxO2 cathode material for sodium-ion batteries: Al-doped enhanced electrochemical properties and studies on the electrode kinetics. *Journal of Power Sources*, **2017**, 356, 80-88	8.9	144
239	P2-Na2/3Ni1/3Mn5/9Al1/9O2 Microparticles as Superior Cathode Material for Sodium-Ion Batteries: Enhanced Properties and Mechanisam via Graphene Connection. *ACS Applied Materials & Interfaces*, **2016**, 8, 20650-9	9.5	138
238	In Situ Encapsulating □MnS into N,S-Codoped Nanotube-Like Carbon as Advanced Anode Material: □↔□ Phase Transition Promoted Cycling Stability and Superior Li/Na-Storage Performance in Half/Full Cells. *Advanced Materials*, **2018**, 30, e1706317	24	133
237	Synthesis of Single-Crystalline Co3O4 Octahedral Cages with Tunable Surface Aperture and Their Lithium Storage Properties. *Journal of Physical Chemistry C*, **2009**, 113, 15553-15558	3.8	133
236	Highly Improved Cycling Stability of Anion De-/Intercalation in the Graphite Cathode for Dual-Ion Batteries. *Advanced Materials*, **2019**, 31, e1804766	24	133
235	Microfluidic etching for fabrication of flexible and all-solid-state micro supercapacitor based on MnO2 nanoparticles. *Nanoscale*, **2011**, 3, 2703-8	7.7	130
234	Co S /MoS Yolk-Shell Spheres for Advanced Li/Na Storage. *Small*, **2017**, 13, 1603490	11	127
233	1D porous MnO@N-doped carbon nanotubes with improved Li-storage properties as advanced anode material for lithium-ion batteries. *Electrochimica Acta*, **2018**, 264, 292-300	6.7	127
232	Sonochemical Synthesis of Prussian Blue Nanocubes from a Single-Source Precursor. *Crystal Growth and Design*, **2006**, 6, 26-28	3.5	126
231	Constructing the optimal conductive network in MnO-based nanohybrids as high-rate and long-life anode materials for lithium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 19738-19746	13	121
230	Carbon-coating-increased working voltage and energy density towards an advanced Na3V2(PO4)2F3@C cathode in sodium-ion batteries. *Science Bulletin*, **2020**, 65, 702-710	10.6	120
229	A Practicable Li/Na-Ion Hybrid Full Battery Assembled by a High-Voltage Cathode and Commercial Graphite Anode: Superior Energy Storage Performance and Working Mechanism. *Advanced Energy Materials*, **2018**, 8, 1702504	21.8	120
228	Nanoeffects promote the electrochemical properties of organic Na2C8H4O4 as anode material for sodium-ion batteries. *Nano Energy*, **2015**, 13, 450-457	17.1	116

227	Staging Na/K-ion de-/intercalation of graphite retrieved from spent Li-ion batteries: in operando X-ray diffraction studies and an advanced anode material for Na/K-ion batteries. *Energy and Environmental Science*, **2019**, 12, 3575-3584	35.4	116
226	Improved Reversibility of Fe /Fe Redox Couple in Sodium Super Ion Conductor Type Na Fe (PO) for Sodium-Ion Batteries. *Advanced Materials*, **2017**, 29, 1605694	24	115
225	Self-Supporting, Flexible, Additive-Free, and Scalable Hard Carbon Paper Self-Interwoven by 1D Microbelts: Superb Room/Low-Temperature Sodium Storage and Working Mechanism. *Advanced Materials*, **2019**, 31, e1903125	24	114
224	Multifunctional 0D2D Ni2P NanocrystalsBlack Phosphorus Heterostructure. *Advanced Energy Materials*, **2017**, 7, 1601285	21.8	114
223	Pseudocapacitance-boosted ultrafast Na storage in a pie-like FeS@C nanohybrid as an advanced anode material for sodium-ion full batteries. *Nanoscale*, **2018**, 10, 9218-9225	7.7	109
222	Facile Synthesis of Mesoporous TiO2 Nanosphere as an Improved Anode Material for Superior High Rate 1.5 V Rechargeable Li Ion Batteries Containing LiFePO4 Cathode. *Journal of Physical Chemistry C*, **2010**, 114, 10308-10313	3.8	109
221	Shape-controlled synthesis of Prussian blue analogue Co3[Co(CN)6]2 nanocrystals. *Chemical Communications*, **2005**, 2241-3	5.8	106
220	Superior hybrid cathode material containing lithium-excess layered material and graphene for lithium-ion batteries. *ACS Applied Materials & Interfaces*, **2012**, 4, 4858-63	9.5	105
219	Microemulsion-mediated solvothermal synthesis of SrCO3 nanostructures. *Langmuir*, **2005**, 21, 6093-6	4	99
218	Shale-like Co3O4 for high performance lithium/sodium ion batteries. *Journal of Materials Chemistry A*, **2016**, 4, 8242-8248	13	98
217	Metastable Marcasite-FeS as a New Anode Material for Lithium Ion Batteries: CNFs-Improved Lithiation/Delithiation Reversibility and Li-Storage Properties. *ACS Applied Materials & Interfaces*, **2017**, 9, 10708-10716	9.5	96
216	Self-Assembled LiFePO4/C Nano/Microspheres by Using Phytic Acid as Phosphorus Source. *Journal of Physical Chemistry C*, **2012**, 116, 5019-5024	3.8	93
215	Self-wound composite nanomembranes as electrode materials for lithium ion batteries. *Advanced Materials*, **2010**, 22, 4591-5	24	92
214	The Effective Design of a Polysulfide-Trapped Separator at the Molecular Level for High Energy Density Li-S Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 16108-15	9.5	91
213	A carbon-coated Li3V2(PO4)3 cathode material with an enhanced high-rate capability and long lifespan for lithium-ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 2508	13	90
212	Nitrogen-doped porous carbon: highly efficient trifunctional electrocatalyst for oxygen reversible catalysis and nitrogen reduction reaction. *Journal of Materials Chemistry A*, **2018**, 6, 7762-7769	13	89
211	Dual-Porosity SiO2/C Nanocomposite with Enhanced Lithium Storage Performance. *Journal of Physical Chemistry C*, **2015**, 119, 3495-3501	3.8	87
210	Preparation and li storage properties of hierarchical porous carbon fibers derived from alginic acid. *ChemSusChem*, **2010**, 3, 703-7	8.3	87

209	High-Performance and Low-Temperature Lithium–Sulfur Batteries: Synergism of Thermodynamic and Kinetic Regulation. *Advanced Energy Materials*, **2018**, 8, 1703638	21.8	86
208	Enhanced Li+ conductivity in PEO–LiBOB polymer electrolytes by using succinonitrile as a plasticizer. *Solid State Ionics*, **2011**, 186, 1-6	3.3	81
207	Synthesis and Photoluminescent Properties of Strontium Tungstate Nanostructures. *Journal of Physical Chemistry C*, **2007**, 111, 532-537	3.8	80
206	Advanced P2-NaNiMnFeO Cathode Material with Suppressed P2-O2 Phase Transition toward High-Performance Sodium-Ion Battery. *ACS Applied Materials & Interfaces*, **2018**, 10, 34272-34282	9.5	80
205	Dual-carbon enhanced silicon-based composite as superior anode material for lithium ion batteries. *Journal of Power Sources*, **2016**, 307, 738-745	8.9	70
204	Ni1.5CoSe5 nanocubes embedded in 3D dual N-doped carbon network as advanced anode material in sodium-ion full cells with superior low-temperature and high-power properties. *Journal of Materials Chemistry A*, **2018**, 6, 22966-22975	13	70
203	Non-sacrificial template synthesis of Cr2O3 hierarchical core/shell nanospheres and their application as anode materials in lithium-ion batteries. *Journal of Materials Chemistry*, **2010**, 20, 7565		62
202	Feasible engineering of cathode electrolyte interphase enables the profoundly improved electrochemical properties in dual-ion battery. *Journal of Energy Chemistry*, **2020**, 50, 416-423	12	60
201	High-ionicity fluorophosphate lattice via aliovalent substitution as advanced cathode materials in sodium-ion batteries. *Informa Materia*, **2021**, 3, 694-704	23.1	59
200	Superior storage performance of carbon nanosprings as anode materials for lithium-ion batteries. *Electrochemistry Communications*, **2009**, 11, 1468-1471	5.1	56
199	Flexible P-Doped Carbon Cloth: Vacuum-Sealed Preparation and Enhanced Na-Storage Properties as Binder-Free Anode for Sodium Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 12518-12527	9.5	55
198	Nanoscale Polysulfides Reactors Achieved by Chemical Au-S Interaction: Improving the Performance of Li-S Batteries on the Electrode Level. *ACS Applied Materials & Interfaces*, **2015**, 7, 27959-67	9.5	55
197	Oxygen-Deficient Titanium Dioxide Nanosheets as More Effective Polysulfide Reservoirs for Lithium-Sulfur Batteries. *Chemistry - A European Journal*, **2017**, 23, 9666-9673	4.8	54
196	Compactly Coupled Nitrogen-Doped Carbon Nanosheets/Molybdenum Phosphide Nanocrystal Hollow Nanospheres as Polysulfide Reservoirs for High-Performance Lithium-Sulfur Chemistry. *Small*, **2019**, 15, e1902491	11	53
195	Porous N-doped carbon material derived from prolific chitosan biomass as a high-performance electrode for energy storage. *RSC Advances*, **2015**, 5, 97427-97434	3.7	53
194	Bridging the immiscibility of an all-fluoride fire extinguishant with highly-fluorinated electrolytes toward safe sodium metal batteries. *Energy and Environmental Science*, **2020**, 13, 1788-1798	35.4	52
193	Quasi-Solid-State Sodium-Ion Full Battery with High-Power/Energy Densities. *ACS Applied Materials & Interfaces*, **2018**, 10, 17903-17910	9.5	52
192	P2-type Na 0.53 MnO 2 nanorods with superior rate capabilities as advanced cathode material for sodium ion batteries. *Chemical Engineering Journal*, **2017**, 316, 499-505	14.7	51

191	Co3O4 Nanospheres Embedded in a Nitrogen-Doped Carbon Framework: An Electrode with Fast Surface-Controlled Redox Kinetics for Lithium Storage. *ACS Energy Letters*, **2017**, 2, 52-59	20.1	51
190	Flexible Na/K-Ion Full Batteries from the Renewable Cotton ClothDerived Stable, Low-Cost, and Binder-Free Anode and Cathode. *Advanced Energy Materials*, **2019**, 9, 1902056	21.8	50
189	A Novel Layered Sedimentary Rocks Structure of the Oxygen-Enriched Carbon for Ultrahigh-Rate-Performance Supercapacitors. *ACS Applied Materials & Interfaces*, **2016**, 8, 4233-41	9.5	50
188	A novel polymer electrolyte with improved high-temperature-tolerance up to 170℃ for high-temperature lithium-ion batteries. *Journal of Power Sources*, **2013**, 244, 234-239	8.9	50
187	A new strategy for developing superior electrode materials for advanced batteries: using a positive cycling trend to compensate the negative one to achieve ultralong cycling stability. *Nanoscale Horizons*, **2016**, 1, 496-501	10.8	48
186	Pore-size dominated electrochemical properties of covalent triazine frameworks as anode materials for K-ion batteries. *Chemical Science*, **2019**, 10, 7695-7701	9.4	46
185	Porous cubes constructed by cobalt oxide nanocrystals with graphene sheet coatings for enhanced lithium storage properties. *Nanoscale*, **2016**, 8, 7688-94	7.7	46
184	Nano-SnO2 Decorated Carbon Cloth as Flexible, Self-supporting and Additive-Free Anode for Sodium/Lithium-Ion Batteries. *Acta Metallurgica Sinica (English Letters)*, **2021**, 34, 390-400	2.5	46
183	A promising PMHS/PEO blend polymer electrolyte for all-solid-state lithium ion batteries. *Dalton Transactions*, **2018**, 47, 14932-14937	4.3	46
182	A vertical and cross-linked Ni(OH)2 network on cellulose-fiber covered with graphene as a binder-free electrode for advanced asymmetric supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 19077-19084	13	44
181	Isostructural and Multivalent Anion Substitution toward Improved Phosphate Cathode Materials for Sodium-Ion Batteries. *Small*, **2020**, 16, e1907645	11	44
180	Target construction of ultrathin graphitic carbon encapsulated FeS hierarchical microspheres featuring superior low-temperature lithium/sodium storage properties. *Journal of Materials Chemistry A*, **2018**, 6, 7997-8005	13	44
179	Construction of Bimetallic Selenides Encapsulated in Nitrogen/Sulfur Co-Doped Hollow Carbon Nanospheres for High-Performance Sodium/Potassium-Ion Half/Full Batteries. *Small*, **2020**, 16, e1907670	11	43
178	Emission from Trions in Carbon Quantum Dots. *Journal of Physical Chemistry C*, **2015**, 119, 2956-2962	3.8	43
177	Three-dimensional carbon nanotube networks enhanced sodium trimesic: a new anode material for sodium ion batteries and Na-storage mechanism revealed by ex situ studies. *Journal of Materials Chemistry A*, **2017**, 5, 16622-16629	13	43
176	Romanechite-structured Na(0.31)MnO(1.9) nanofibers as high-performance cathode material for a sodium-ion battery. *Chemical Communications*, **2015**, 51, 14848-51	5.8	41
175	Multiple heterointerfaces boosted de-/sodiation kinetics towards superior Na storage and Na-Ion full battery. *Journal of Materials Chemistry A*, **2018**, 6, 6578-6586	13	41
174	Full Protection for Graphene-Incorporated Micro-/Nanocomposites Containing Ultra-small Active Nanoparticles: the Best Li-Storage Properties. *Particle and Particle Systems Characterization*, **2015**, 32, 1020-1027	3.1	41

173	Hierarchically Porous N-Doped Carbon Nanosheets Derived From Grapefruit Peels for High-Performance Supercapacitors. *ChemistrySelect*, **2016**, 1, 1441-1447	1.8	41
172	Large-scale Ni-MOF derived Ni3S2 nanocrystals embedded in N-doped porous carbon nanoparticles for high-rate Na+ storage. *Chinese Chemical Letters*, **2021**, 32, 895-899	8.1	41
171	Coaxial □MnSe@N-doped carbon double nanotubes as superior anode materials in Li/Na-ion half/full batteries. *Journal of Materials Chemistry A*, **2018**, 6, 15797-15806	13	39
170	Enhanced electrode kinetics and electrochemical properties of low-cost NaFe2PO4(SO4)2 via Ca2+ doping as cathode material for sodium-ion batteries. *Journal of Materials Science and Technology*, **2021**, 78, 176-182	9.1	38
169	Synergistic mediation of sulfur conversion in lithium□sulfur batteries by a Gerber tree-like interlayer with multiple components. *Journal of Materials Chemistry A*, **2017**, 5, 11255-11262	13	37
168	The in-situ-prepared micro/nanocomposite composed of Sb and reduced graphene oxide as superior anode for sodium-ion batteries. *Journal of Alloys and Compounds*, **2016**, 672, 72-78	5.7	37
167	Graphene Nanosheets Suppress the Growth of Sb Nanoparticles in an Sb/C Nanocomposite to Achieve Fast Na Storage. *Particle and Particle Systems Characterization*, **2016**, 33, 204-211	3.1	37
166	Do the bridging oxygen bonds between active Sn nanodots and graphene improve the Li-storage properties?. *Energy Storage Materials*, **2016**, 5, 214-222	19.4	36
165	Precisely controlled preparation of an advanced Na3V2(PO4)2O2F cathode material for sodium ion batteries: the optimization of electrochemical properties and electrode kinetics. *Inorganic Chemistry Frontiers*, **2019**, 6, 988-995	6.8	35
164	Diffusion induced concave Co3O4@CoFe2O4 hollow heterostructures for high performance lithium ion battery anode. *Energy Storage Materials*, **2016**, 4, 145-153	19.4	35
163	Carbon/Binder-Free NiO@NiO/NF with In Situ Formed Interlayer for High-Areal-Capacity Lithium Storage. *Advanced Energy Materials*, **2019**, 9, 1803690	21.8	35
162	Recycled LiMn2O4 from the spent lithium ion batteries as cathode material for sodium ion batteries: Electrochemical properties, structural evolution and electrode kinetics. *Electrochimica Acta*, **2019**, 320, 134626	6.7	34
161	An FeP@C nanoarray vertically grown on graphene nanosheets: an ultrastable Li-ion battery anode with pseudocapacitance-boosted electrochemical kinetics. *Nanoscale*, **2019**, 11, 1304-1312	7.7	33
160	Tunable Co3O4 hollow structures (from yolk□shell to multi-shell) and their Li storage properties. *Journal of Materials Chemistry A*, **2017**, 5, 12757-12761	13	32
159	Assembly of MnCO 3 nanoplatelets synthesized at low temperature on graphene to achieve anode materials with high rate performance for lithium-ion batteries. *Electrochimica Acta*, **2016**, 215, 267-275	6.7	32
158	A novel approach to prepare Si/C nanocomposites with yolk□shell structures for lithium ion batteries. *RSC Advances*, **2014**, 4, 36218-36225	3.7	31
157	2D few-layer iron phosphosulfide: a self-buffer heterophase structure induced by irreversible breakage of P□S bonds for high-performance lithium/sodium storage. *Journal of Materials Chemistry A*, **2019**, 7, 1529-1538	13	30
156	Egg yolk-derived carbon: Achieving excellent fluorescent carbon dots and high performance lithium-ion batteries. *Journal of Alloys and Compounds*, **2018**, 746, 567-575	5.7	30

155	Temperature-Dependent Electrochemical Properties and Electrode Kinetics of Na V (PO) O F Cathode for Sodium-Ion Batteries with High Energy Density. *Chemistry - A European Journal*, **2020**, 26, 7823-7830	4.8	29
154	Sodium-based dual-ion batteries via coupling high-capacity selenium/graphene anode with high-voltage graphite cathode. *Chinese Chemical Letters*, **2020**, 31, 2314-2318	8.1	29
153	LiV3O8 nanorods as cathode materials for high-power and long-life rechargeable lithium-ion batteries. *RSC Advances*, **2014**, 4, 25494-25501	3.7	29
152	Ether-Based Electrolyte Chemistry Towards High-Voltage and Long-Life Na-Ion Full Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 26837-26846	16.4	29
151	Tempura-like carbon/carbon composite as advanced anode materials for K-ion batteries. *Journal of Energy Chemistry*, **2021**, 59, 589-598	12	29
150	Hierarchical GeP/Carbon Nanocomposite with Dual-Carbon Conductive Network as Promising Anode Material for Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 36902-36909	9.5	29
149	Dendrite-Free Lithium Anode Enables the Lithium//Graphite Dual-Ion Battery with Much Improved Cyclic Stability. *ACS Applied Energy Materials*, **2019**, 2, 201-206	6.1	28
148	Boosting solid-state flexible supercapacitors by employing tailored hierarchical carbon electrodes and a high-voltage organic gel electrolyte. *Journal of Materials Chemistry A*, **2018**, 6, 24979-24987	13	28
147	Waste-to-wealth: low-cost hard carbon anode derived from unburned charcoal with high capacity and long cycle life for sodium-ion/lithium-ion batteries. *Electrochimica Acta*, **2020**, 361, 137041	6.7	27
146	(PO4)3□polyanions doped LiNi1/3Co1/3Mn1/3O2: An ultrafast-rate, long-life and high-voltage cathode material for Li-ion rechargeable batteries. *Electrochimica Acta*, **2016**, 201, 8-19	6.7	27
145	Enhanced working temperature of PEO-based polymer electrolyte via porous PTFE film as an efficient heat resister. *Solid State Ionics*, **2013**, 245-246, 1-7	3.3	26
144	Electroluminescence and photoluminescence of Ge+-implanted SiO2 films thermally grown on crystalline silicon. *Applied Physics Letters*, **1997**, 71, 2505-2507	3.4	26
143	Three-dimensional hierarchical NiSe nanorod array as binder/carbon-free electrode for high-areal-capacity Na storage. *Nanoscale*, **2018**, 10, 18942-18948	7.7	26
142	Synergistic Design of Cathode Region for the High-Energy-Density Li-S Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 28689-28699	9.5	25
141	Layered g-CN@Reduced Graphene Oxide Composites as Anodes with Improved Rate Performance for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 30330-30336	9.5	25
140	Porous Carbon with Willow-Leaf-Shaped Pores for High-Performance Supercapacitors. *ACS Applied Materials & Interfaces*, **2017**, 9, 42699-42707	9.5	25
139	Spatial confinement of vertical arrays of lithiophilic SnS2 nanosheets enables conformal Li nucleation/growth towards dendrite-free Li metal anode. *Energy Storage Materials*, **2021**, 36, 504-513	19.4	25
138	Concurrent recycling chemistry for cathode/anode in spent graphite/LiFePO4 batteries: Designing a unique cation/anion-co-workable dual-ion battery. *Journal of Energy Chemistry*, **2022**, 64, 166-171	12	25

137	Improve the Overall Performances of Lithium Ion Batteries by a Facile Method of Modifying the Surface of Cu Current Collector with Carbon. *Electrochimica Acta*, **2015**, 176, 604-609	6.7	24
136	Effect of cationic and anionic substitutions on the electrochemical properties of LiNi0.5Mn1.5O4 spinel cathode materials. *Electrochimica Acta*, **2014**, 138, 493-500	6.7	24
135	Template-free synthesis and supercapacitance performance of a hierachically porous oxygen-enriched carbon material. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 1897-904	1.3	24
134	Pseudocapacitive sodium storage of Fe1⊠S@N-doped carbon for low-temperature operation. *Science China Materials*, **2020**, 63, 505-515	7.1	24
133	P2-type Na2/3Mn1/2Co1/3Cu1/6O2 as advanced cathode material for sodium-ion batteries: Electrochemical properties and electrode kinetics. *Journal of Alloys and Compounds*, **2019**, 790, 1092-1100	5.7	23
132	Enhancement of electrochemical performance of LiNi1/3Co1/3Mn1/3O2 by surface modification with MnO2. *Journal of Alloys and Compounds*, **2015**, 651, 12-18	5.7	23
131	Controllable Synthesis of PbO Nano/Microstructures Using a Porous Alumina Template. *Crystal Growth and Design*, **2007**, 7, 2665-2669	3.5	23
130	Robust three-dimensional carbon conductive network in a NaVPO4F cathode used for superior high-rate and ultralong-lifespan sodium-ion full batteries. *Journal of Materials Chemistry A*, **2020**, 8, 17454-17462	11	23
129	Enhanced Photodegradation of Methyl Orange Synergistically by Microcrystal Facet Cutting and Flexible Electrically-Conducting Channels. *Journal of Physical Chemistry C*, **2014**, 118, 28063-28068	3.8	22
128	Carbon-Free Porous ZnGeO Nanofibers as Advanced Anode Materials for High-Performance Lithium Ion Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 31722-31728	9.5	21
127	Conversion of uniform graphene oxide/polypyrrole composites into functionalized 3D carbon nanosheet frameworks with superior supercapacitive and sodium-ion storage properties. *Journal of Power Sources*, **2016**, 307, 17-24	8.9	21
126	3D Ordered Porous Hybrid of ZnSe/N-doped Carbon with Anomalously High Na+ Mobility and Ultrathin Solid Electrolyte Interphase for Sodium-Ion Batteries. *Advanced Functional Materials*,2106194	15.6	21
125	Porous Amorphous Co2P/N,B-Co-doped Carbon Composite as an Improved Anode Material for Sodium-Ion Batteries. *ChemElectroChem*, **2017**, 4, 1395-1401	4.3	20
124	Fabrication of boron-doped porous carbon with termite nest shape via natural macromolecule and borax to obtain lithium-sulfur/sodium-ion batteries with improved rate performance. *Electrochimica Acta*, **2017**, 244, 86-95	6.7	20
123	2D Fe 2 O 3 nanosheets with bi-continuous pores inherited from Fe-MOF precursors: an advanced anode material for Li-ion half/full batteries. *2D Materials*, **2019**, 6, 045022	5.9	20
122	Restraining Capacity Increase To Achieve Ultrastable Lithium Storage: Case Study of a Manganese(II) Oxide/Graphene-Based Nanohybrid and Its Full-Cell Performance. *ChemElectroChem*, **2016**, 3, 1354-1359	4.3	20
121	Effective Cathode Design of Three-Layered Configuration for High-Energy Li-S Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 509-516	9.5	20
120	Ultrahigh quantum efficiency photodetector and ultrafast reversible surface wettability transition of square In2O3 nanowires. *Nano Research*, **2017**, 10, 2772-2781	10	19

119	Fabrication of functionalized polysulfide reservoirs from large graphene sheets to improve the electrochemical performance of lithium-sulfur batteries. *Physical Chemistry Chemical Physics*, **2015**, 17, 23481-8	3.6	19
118	Optical Identification of Topological Defect Types in Monolayer Arsenene by First-Principles Calculation. *Journal of Physical Chemistry C*, **2016**, 120, 24917-24924	3.8	19
117	Dendrite-free deposition on lithium anode toward long-life and high-stable Li//graphite dual-ion battery. *Chemical Communications*, **2019**, 55, 8406-8409	5.8	19
116	Enhanced electrode kinetics and properties via anionic regulation in polyanionic Na3+xV2(PO4)3□(P2O7)x cathode material. *Green Energy and Environment*, **2020**,	5.7	19
115	Hierarchical porous carbon pellicles: Electrospinning synthesis and applications as anodes for sodium-ion batteries with an outstanding performance. *Carbon*, **2020**, 157, 308-315	10.4	19
114	Flexible paper electrodes constructed from Zn2GeO4 nanofibers anchored with amorphous carbon for advanced lithium ion batteries. *Journal of Materials Chemistry A*, **2016**, 4, 2055-2059	13	18
113	Ultrafine nano-Si material prepared from NaCl-assisted magnesiothermic reduction of scalable silicate: graphene-enhanced Li-storage properties as advanced anode for lithium-ion batteries. *Journal of Alloys and Compounds*, **2017**, 694, 208-216	5.7	18
112	Microemulsion-mediated solvothermal synthesis and morphological evolution of MnCO3 nanocrystals. *Journal of Nanoscience and Nanotechnology*, **2006**, 6, 2123-8	1.3	18
111	Advanced High-Entropy Fluorophosphate Cathode for Sodium-ion Batteries with Increased Working Voltage and Energy Density.. *Advanced Materials*, **2022**, e2110108	24	18
110	State-of-the-Art Progress in Diverse Black Phosphorus-Based Structures: Basic Properties, Synthesis, Stability, Photo- and Electrocatalysis-Driven Energy Conversion. *Advanced Functional Materials*, **2021**, 31, 2005197	15.6	18
109	Self-assembly of polyoxometalate/reduced graphene oxide composites induced by ionic liquids as a high-rate cathode for batteries: □illing two birds with one stone□*Journal of Materials Chemistry A*, **2018**, 6, 1743-1750	13	18
108	Ionic-liquid-bifunctional wrapping of ultrafine SnO nanocrystals into N-doped graphene networks: high pseudocapacitive sodium storage and high-performance sodium-ion full cells. *Nanoscale*, **2019**, 11, 14616-14624	7.7	17
107	A plum-pudding like mesoporous SiO2/flake graphite nanocomposite with superior rate performance for LIB anode materials. *Physical Chemistry Chemical Physics*, **2015**, 17, 22893-9	3.6	17
106	Alkali-Metal-Ion-Functionalized Graphene Oxide as a Superior Anode Material for Sodium-Ion Batteries. *Chemistry - A European Journal*, **2016**, 22, 8152-7	4.8	17
105	Covalent Organic Framework with Highly Accessible Carbonyls and □Cation Effect for Advanced Potassium-Ion Batteries.. *Angewandte Chemie - International Edition*, **2022**,	16.4	17
104	Air/water/temperature-stable cathode for all-climate sodium-ion batteries. *Cell Reports Physical Science*, **2021**, 100665	6.1	17
103	Rationally designed nitrogen-doped yolk-shell Fe7Se8/Carbon nanoboxes with enhanced sodium storage in half/full cells. *Carbon*, **2020**, 166, 175-182	10.4	17
102	Homogeneous Li+ Flux Distribution Enables Highly Stable and Temperature-Tolerant Lithium Anode. *Advanced Functional Materials*, **2021**, 31, 2102158	15.6	17

101	Knocking down the kinetic barriers towards fast-charging and low-temperature sodium metal batteries. *Energy and Environmental Science*, **2021**, 14, 4936-4947	35.4	17
100	Regulation of Cathode-Electrolyte Interphase via Electrolyte Additives in Lithium Ion Batteries. *Chemistry - an Asian Journal*, **2020**, 15, 2803-2814	4.5	16
99	A cation/anion-dually active metal-organic complex with 2D lamellar structure as anode material for Li/Na-ion batteries. *Materials Today Energy*, **2019**, 13, 302-307	7	16
98	Tailoring Coral-Like FeSe@C for Superior Low-Temperature Li/Na-Ion Half/Full Batteries: Synthesis, Structure, and DFT Studies. *ACS Applied Materials & Interfaces*, **2019**, 11, 47886-47893	9.5	16
97	High-Voltage All-Solid-State Na-Ion-Based Full Cells Enabled by All NASICON-Structured Materials. *ACS Applied Materials & Interfaces*, **2019**, 11, 24192-24197	9.5	15
96	Benign Recycling of Spent Batteries towards All-Solid-State Lithium Batteries. *Chemistry - A European Journal*, **2019**, 25, 8975-8981	4.8	15
95	3D Hierarchical Microballs Constructed by Intertwined MnO@N-doped Carbon Nanofibers towards Superior Lithium-Storage Properties. *Chemistry - A European Journal*, **2018**, 24, 9606-9611	4.8	15
94	MnWO nanoparticles as advanced anodes for lithium-ion batteries: F-doped enhanced lithiation/delithiation reversibility and Li-storage properties. *Nanoscale*, **2018**, 10, 6832-6836	7.7	15
93	Encapsulation of Na3(VO)2(PO4)2F into carbon nanofiber as an superior cathode material for flexible sodium-ion capacitors with high-energy-density and low-self-discharge. *Journal of Power Sources*, **2020**, 466, 228249	8.9	15
92	Progresses in Sustainable Recycling Technology of Spent Lithium-Ion Batteries. *Energy and Environmental Materials*, **2021**,	13	15
91	All-Climate and Ultrastable Dual-Ion Batteries with Long Life Achieved via Synergistic Enhancement of Cathode and Anode Interfaces. *Advanced Functional Materials*,2201038	15.6	15
90	Electrochemical performance improvement of N-doped graphene as electrode materials for supercapacitors by optimizing the functional groups. *RSC Advances*, **2015**, 5, 12583-12591	3.7	14
89	Research Progresses on Vanadium-based Cathode Materials for Aqueous Zinc-Ion Batteries. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2020**, 2005013-0	3.8	14
88	Flexible quasi-solid-state sodium-ion full battery with ultralong cycle life, high energy density and high-rate capability. *Nano Research*,1	10	14
87	Research Progresses on Interfaces in Solid-State Sodium Batteries: A Topic Review. *Advanced Materials Interfaces*, **2020**, 7, 2001444	4.6	13
86	High-Rate and Long-Cycle Cathode for Sodium-Ion Batteries: Enhanced Electrode Stability and Kinetics via Binder Adjustment. *ACS Applied Materials & Interfaces*, **2020**, 12, 47580-47589	9.5	13
85	[Co(ÐO)]-Based Metal-Organic Frameworks as Advanced Anode Materials in K- and Na-Ion Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 46902-46908	9.5	13
84	An in situ-Fabricated Composite Polymer Electrolyte Containing Large-Anion Lithium Salt for All-Solid-State LiFePO4/Li Batteries. *ChemElectroChem*, **2017**, 4, 2293-2299	4.3	12

83	Layer-stacked Sb@graphene micro/nanocomposite with decent Na-storage, full-cell and low-temperature performances. *Journal of Alloys and Compounds*, **2018**, 731, 881-888	5.7	12
82	Synthesis of nanostructured fibers consisting of carbon coated Mn3O4 nanoparticles and their application in electrochemical capacitors. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 8158-63	1.3	12
81	Advanced cathode for dual-ion batteries: Waste-to-wealth reuse of spent graphite from lithium-ion batteries. *EScience*, **2021**,		12
80	MnS@N,S Co-Doped Carbon Core/Shell Nanocubes: Sulfur-Bridged Bonds Enhanced Na-Storage Properties Revealed by In Situ Raman Spectroscopy and Transmission Electron Microscopy. *Small*, **2020**, 16, e2003001	11	12
79	A Practical Li-Ion Full Cell with a High-Capacity Cathode and Electrochemically Exfoliated Graphene Anode: Superior Electrochemical and Low-Temperature Performance. *ACS Applied Energy Materials*, **2019**, 2, 486-492	6.1	12
78	Electrochemical In Situ Formation of a Stable Ti-Based Skeleton for Improved Li-Storage Properties: A Case Study of Porous CoTiO Nanofibers. *Chemistry - A European Journal*, **2017**, 23, 8712-8718	4.8	11
77	Dual-Carbon Enhanced FeP Nanorods Vertically Grown on Carbon Nanotubes with Pseudocapacitance-Boosted Electrochemical Kinetics for Superior Lithium Storage. *Advanced Electronic Materials*, **2019**, 5, 1900006	6.4	11
76	3 D Porous CoS Hexadecahedron Derived from MOC toward Ultrafast and Long-Lifespan Lithium Storage. *Chemistry - A European Journal*, **2018**, 24, 6798-6803	4.8	11
75	Fe3O4 nanoflakes-RGO composites: A high rate anode material for lithium-ion batteries. *Applied Surface Science*, **2020**, 511, 145465	6.7	11
74	Advanced polyanionic electrode materials for potassium-ion batteries: Progresses, challenges and application prospects. *Materials Today*, **2022**,	21.8	11
73	Polymeric Molecular Design Towards Horizontal Zn Electrodeposits at Constrained 2D Zn 2+ Diffusion: Dendrite-Free Zn Anode for Long-Life and High-Rate Aqueous Zinc Metal Battery. *Advanced Functional Materials*,2204066	15.6	11
72	Magnetic iron nitride nanodendrites. *Journal of Solid State Chemistry*, **2005**, 178, 2390-2393	3.3	10
71	Micro/Nanoengineered ⊞Fe O Nanoaggregate Conformably Enclosed by Ultrathin N-Doped Carbon Shell for Ultrastable Lithium Storage and Insight into Phase Evolution Mechanism. *Chemistry - A European Journal*, **2020**, 26, 853-862	4.8	10
70	A unique co-recovery strategy of cathode and anode from spent LiFePO4 battery. *Science China Materials*,1	7.1	10
69	Hierarchically porous nanosheets-constructed 3D carbon network for ultrahigh-capacity supercapacitor and battery anode. *Nanotechnology*, **2019**, 30, 214002	3.4	9
68	Target encapsulating NiMoO4 nanocrystals into 1D carbon nanofibers as free-standing anode material for lithium-ion batteries with enhanced cycle performance. *Journal of Alloys and Compounds*, **2020**, 830, 154648	5.7	9
67	Recent progresses and challenges of metal sulfides as advanced anode materials in rechargeable sodium-ion batteries. *JPhys Materials*, **2020**, 3, 042004	4.2	9
66	An advanced cathode composite for co-utilization of cations and anions in lithium batteries. *Journal of Materials Science and Technology*, **2022**, 102, 72-79	9.1	9

65	Polypyrrole nanosphere embedded in wrinkled graphene layers to obtain cross-linking network for high performance supercapacitors. *Electrochimica Acta*, **2015**, 184, 179-185	6.7	8
64	Effective Recycling of the Whole Cathode in Spent Lithium Ion Batteries: From the Widely Used Oxides to High-Energy/Stable Phosphates. *ACS Sustainable Chemistry and Engineering*, **2019**,	8.3	8
63	Molten sodium-induced graphitization towards highly crystalline and hierarchical porous graphene frameworks. *2D Materials*, **2015**, 2, 035016	5.9	8
62	SbPS4: A novel anode for high-performance sodium-ion batteries. *Chinese Chemical Letters*, **2021**, 33, 470-470	8.1	8
61	Adjustable and pseudocapacitance-prompted Li storage via the controlled preparation of nanocomposites with 0D-2D carbon networks. *Electrochimica Acta*, **2018**, 268, 323-331	6.7	7
60	Engineering All-Purpose Amorphous Carbon Nanotubes with High N/O-Co-Doping Content to Bridge the Alkali-Ion Batteries and Li Metal Batteries. *Small*, **2021**, 17, e2006566	11	7
59	A sandwich nanocomposite composed of commercially available SnO and reduced graphene oxide as advanced anode materials for sodium-ion full batteries. *Inorganic Chemistry Frontiers*, **2021**, 8, 396-404	6.8	7
58	Addressing the Low Solubility of a Solid Electrolyte Interphase Stabilizer in an Electrolyte by Composite Battery Anode Design. *ACS Applied Materials & Interfaces*, **2021**, 13, 13354-13361	9.5	7
57	Micron-scaled MoS2/N-C particles with embedded nano-MoS2: A high-rate anode material for enhanced lithium storage. *Applied Surface Science*, **2019**, 486, 519-526	6.7	6
56	A study of the electrochemical behavior at low temperature of the Li3V2(PO4)3 cathode material for Li-ion batteries. *New Journal of Chemistry*, **2015**, 39, 9617-9626	3.6	6
55	Sb&Sb2O3@C-enhanced flexible carbon cloth as an advanced self-supporting anode for sodium-ion batteries. *New Journal of Chemistry*, **2020**, 44, 4719-4725	3.6	6
54	Disordered mesoporous polyacenes/sulfur nanocomposites: Superior cathode materials for lithium-sulfur batteries. *Journal of Alloys and Compounds*, **2017**, 693, 1045-1051	5.7	6
53	Twinned TATB nanobelts: synthesis, characterization, and formation mechanism. *CrystEngComm*, **2011**, 13, 6658	3.3	6
52	Magnesium-regulated oxygen vacancies of cobalt-nickel layered double hydroxide nanosheets for ultrahigh performance asymmetric supercapacitors.. *Journal of Colloid and Interface Science*, **2021**, 612, 772-781	9.3	6
51	Tetrafunctional template-assisted strategy to preciously construct co-doped Sb@C nanofiber with longitudinal tunnels for ultralong-life and high-rate sodium storage. *Energy Storage Materials*, **2022**, 48, 90-100	19.4	6
50	Controlling Electron Spin Decoherence in Nd-based Complexes via Symmetry Selection. *IScience*, **2020**, 23, 100926	6.1	5
49	Double-Carbon Enhanced TiO2 Nanotubes as Highly Improved Anodes for Sodium-Ion Batteries. *ChemistrySelect*, **2020**, 5, 3820-3827	1.8	5
48	A new polyoxometalate-resorcin[4]arene-based framework as an efficient anode material for lithium-ion batteries. *Journal of Alloys and Compounds*, **2020**, 835, 155314	5.7	5

47	Hierarchically-Porous Carbon Derived from a Large-Scale Iron-based Organometallic Complex for Versatile Energy Storage. *ChemSusChem*, **2016**, 9, 1483-9	8.3	5
46	Synthesis of Mg5 (CO3)4 (OH)2 □4H2O with Flower-like Micro-structure and Its Catalytic Activity for Transesterification of Dimethyl Carbonate with Phenol. *Chemical Research in Chinese Universities*, **2007**, 23, 641-645	2.2	5
45	Microemulsion-based solvothermal synthesis of aluminium orthophosphate nanocrystals. *Nanotechnology*, **2005**, 16, 2129-33	3.4	5
44	Localized Electron Density Redistribution in Fluorophosphate Cathode: Dangling Anion Regulation and Enhanced Na-Ion Diffusivity for Sodium-Ion Batteries. *Advanced Functional Materials*,2109694	15.6	5
43	Nanoconstruction and nanoeffect of phosphate-based cathode materials for advanced sodium-ion batteries. *Nano Futures*, **2020**, 4, 042001	3.6	5
42	Proton-Conducting Polyoxometalates as Redox Electrolytes Synergistically Boosting the Performance of Self-Healing Solid-State Supercapacitors with Polyaniline. *CCS Chemistry*, **2021**, 3, 1649-1658	7.2	5
41	Robust Electrodes for Flexible Energy Storage Devices Based on Bimetallic Encapsulated Core-Multishell Structures. *Advanced Science*, **2021**, 8, e2100911	13.6	5
40	Aliovalent-Ion-Induced Lattice Regulation Based on Charge Balance Theory: Advanced Fluorophosphate Cathode for Sodium-Ion Full Batteries. *Small*, **2021**, 17, e2102010	11	5
39	Pseudocapacitive Lithium Storage of Cauliflower-Like CoFe O for Low-Temperature Battery Operation. *Chemistry - A European Journal*, **2020**, 26, 13652-13658	4.8	4
38	N-doped Porous Host with Lithiophilic Co Nanoparticles Implanted into 3D Carbon Nanotubes for Dendrite-Free Lithium Metal Anodes. *ACS Applied Energy Materials*,	6.1	4
37	One-dimensional core-shell motif nanowires with chemically-bonded transition metal sulfide-carbon heterostructures for efficient sodium-ion storage.. *Chemical Science*, **2021**, 12, 15054-15060	9.4	4
36	chemically encapsulated and controlled SnS nanocrystal composites for durable lithium/sodium-ion batteries. *Dalton Transactions*, **2020**, 49, 15874-15882	4.3	4
35	Confined MoS2 growth in a unique composite matrix for ultra-stable and high-rate lithium/sodium-ion anodes. *Chemical Engineering Journal*, **2022**, 428, 131103	14.7	4
34	Sustainable development of graphitic carbon nanosheets from plastic wastes with efficient photothermal energy conversion for enhanced solar evaporation. *Journal of Materials Chemistry A*,	13	4
33	3D Carbon Networks Constructed NaVPO4F/C/rGO as a Cathode Material for High-Performance Sodium-Ion Batteries. *Frontiers in Energy Research*, **2020**, 8,	3.8	3
32	Full pseudocapacitive behavior hypoxic graphene for ultrafast and ultrastable sodium storage. *Journal of Materials Chemistry A*, **2020**, 8, 9911-9918	13	3
31	CdS:Mn Polysulfido Complex Nanoclusters with H2O2-Dependent and Site-Specific Color Changes. *Journal of Physical Chemistry C*, **2014**, 118, 11085-11092	3.8	3
30	Deciphering the Role of Fluoroethylene Carbonate towards Highly Reversible Sodium Metal Anodes.. *Research*, **2022**, 2022, 9754612	7.8	3

29	Preparation of ZnO Nanostructures by Thermal Degradation of Zinc Alginate Fibers. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2008**, 24, 2179-2184	3.8	3
28	Manipulation of Molecular Qubits by Isotope Effect on Spin Dynamics. *CCS Chemistry*, **2021**, 3, 2548-2556	7.2	3
27	Regulating Li nucleation/growth via implanting lithiophilic seeds onto flexible scaffolds enables highly stable Li metal anode. *Journal of Colloid and Interface Science*, **2021**, 609, 606-606	9.3	2
26	Mesoporous N-doped Carbon-Coated CoSe Nanocrystals Encapsulated in S-Doped Carbon Nanosheets as Advanced Anode with Ultrathin Solid Electrolyte Interphase for High-Performance Sodium-Ion Half/Full Batteries. *Journal of Materials Chemistry A*,	13	2
25	Pseudocapacitive sodium storage in a new brand foveolate TiO2@MoSe2 nanocomposite for high-performance Na-ion hybrid capacitors. *Journal of Materials Chemistry A*,	13	2
24	Boron-doped Sb/SbO2@rGO composites with tunable components and enlarged lattice spacing for high-rate sodium-ion batteries. *Journal Physics D: Applied Physics*, **2021**, 54, 315505	3	2
23	Sustainable and Robust Graphene Cellulose Paper Decorated with Lithiophilic Au Nanoparticles to Enable Dendrite-free and High-Power Lithium Metal Anode. *Chemistry - A European Journal*, **2021**, 27, 8168-8177	4.8	2
22	A carbon-incorporated LiMnBO3/boron oxide composite as advanced anode material for lithium ion batteries. *Journal of Alloys and Compounds*, **2019**, 772, 105-111	5.7	2
21	Waste utilization of crab shell: 3D hierarchical porous carbon towards high-performance Na/Li storage. *New Journal of Chemistry*, **2021**,	3.6	2
20	Electrolyte Chemistry Towards Improved Cycling Stability in Na-Based Dual-Ion Batteries with High-Power/Energy Storage. *Batteries and Supercaps*, **2021**, 4, 1647	5.6	2
19	Sponge-like NaFe2PO4(SO4)2@rGO as a high-performance cathode material for sodium-ion batteries. *New Journal of Chemistry*, **2021**, 45, 4854-4859	3.6	2
18	Targeted Construction of Amorphous MoS with an Inherent Chain Molecular Structure for Improved Pseudocapacitive Lithium-Ion Response. *Chemistry - A European Journal*, **2019**, 25, 15173-15181	4.8	1
17	Sodium-Ion Batteries: Self-Supporting, Flexible, Additive-Free, and Scalable Hard Carbon Paper Self-Interwoven by 1D Microbelts: Superb Room/Low-Temperature Sodium Storage and Working Mechanism (Adv. Mater. 40/2019). *Advanced Materials*, **2019**, 31, 1970288	24	1
16	Flexible Batteries: Flexible Na/K-Ion Full Batteries from the Renewable Cotton Cloth□Derived Stable, Low-Cost, and Binder-Free Anode and Cathode (Adv. Energy Mater. 38/2019). *Advanced Energy Materials*, **2019**, 9, 1970149	21.8	1
15	Single-Crystal Dendritic Micro-Pines of Magnetic □-Fe2O3: Large-Scale Synthesis, Formation Mechanism, and Properties.. *ChemInform*, **2005**, 36, no		1
14	A low-surface-energy design to allogeneic sulfide heterostructures anchored on ultrathin graphene sheets for fast sodium storage. *Chemical Engineering Journal*, **2022**, 432, 134195	14.7	1
13	Dual anionic substitution engineering for an advanced NASICON phosphate cathode in sodium-ion batteries. *Materials Chemistry Frontiers*, **2021**, 5, 5671-5678	7.8	1
12	Advanced cathode materials in dual-ion batteries: Progress and prospect. *Electrochemical Science Advances*,e2100127		1

11	Frontispiece: Covalent Organic Framework with Highly Accessible Carbonyls and π-Cation Effect for Advanced Potassium-Ion Batteries. *Angewandte Chemie - International Edition*, **2022**, 61,	16.4	1
10	Heterogeneous interface in hollow ferroferric oxide/ iron phosphide@carbon spheres towards enhanced Li storage.. *Journal of Colloid and Interface Science*, **2022**, 617, 442-453	9.3	1
9	In Situ Network Electrolyte Based on a Functional Polymerized Ionic Liquid with High Conductivity toward Lithium Metal Batteries. *ACS Applied Energy Materials*, **2021**, 4, 14755-14765	6.1	1
8	Advanced Lithium Primary Batteries: Key Materials, Research Progresses and Challenges.. *Chemical Record*, **2022**, e202200081	6.6	1
7	Covalent Organic Framework with Highly Accessible Carbonyls and π-Cation Effect for Advanced Potassium-Ion Batteries. *Angewandte Chemie*,e202117661	3.6	0
6	The Improved Interfacial and Thermal Stability of Nickel-Rich LiNi0.85Co0.10Mn0.05O2 Cathode in Li-Ion Battery via Perovskite La4NiLiO8 Coating. *ChemNanoMat*, **2021**, 7, 672-681	3.5	0
5	An Advanced High-Entropy Fluorophosphate Cathode for Sodium-Ion Batteries with Increased Working Voltage and Energy Density (Adv. Mater. 14/2022). *Advanced Materials*, **2022**, 34, 2270110	24	0
4	Lithium–Sulfur Batteries: Compactly Coupled Nitrogen-Doped Carbon Nanosheets/Molybdenum Phosphide Nanocrystal Hollow Nanospheres as Polysulfide Reservoirs for High-Performance Lithium–Sulfur Chemistry (Small 40/2019). *Small*, **2019**, 15, 1970216	11	
3	Localized Electron Density Redistribution in Fluorophosphate Cathode: Dangling Anion Regulation and Enhanced Na-Ion Diffusivity for Sodium-Ion Batteries (Adv. Funct. Mater. 4/2022). *Advanced Functional Materials*, **2022**, 32, 2270027	15.6	
2	Sodium-Ion Batteries: Isostructural and Multivalent Anion Substitution toward Improved Phosphate Cathode Materials for Sodium-Ion Batteries (Small 16/2020). *Small*, **2020**, 16, 2070090	11	
1	3D Ordered Porous Hybrid of ZnSe/ N -doped Carbon with Anomalously High Na + Mobility and Ultrathin Solid Electrolyte Interphase for Sodium-Ion Batteries (Adv. Funct. Mater. 50/2021). *Advanced Functional Materials*, **2021**, 31, 2170372	15.6	