

Xing-Long Wu

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.

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	Localized Electron Density Redistribution in Fluorophosphate Cathode: Dangling Anion Regulation and Enhanced Na-Ion Diffusivity for Sodium-Ion Batteries (Adv. Funct. Mater. 4/2022). <i>Advanced Functional Materials</i> , 2022 , 32, 2270027	15.6	
261	Covalent Organic Framework with Highly Accessible Carbonyls and π -Cation Effect for Advanced Potassium-Ion Batteries.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	17
260	Deciphering the Role of Fluoroethylene Carbonate towards Highly Reversible Sodium Metal Anodes.. <i>Research</i> , 2022 , 2022, 9754612	7.8	3
259	Advanced High-Entropy Fluorophosphate Cathode for Sodium-ion Batteries with Increased Working Voltage and Energy Density.. <i>Advanced Materials</i> , 2022 , e2110108	24	18
258	A low-surface-energy design to allogeneic sulfide heterostructures anchored on ultrathin graphene sheets for fast sodium storage. <i>Chemical Engineering Journal</i> , 2022 , 432, 134195	14.7	1
257	An advanced cathode composite for co-utilization of cations and anions in lithium batteries. <i>Journal of Materials Science and Technology</i> , 2022 , 102, 72-79	9.1	9
256	Confined MoS ₂ growth in a unique composite matrix for ultra-stable and high-rate lithium/sodium-ion anodes. <i>Chemical Engineering Journal</i> , 2022 , 428, 131103	14.7	4
255	Concurrent recycling chemistry for cathode/anode in spent graphite/LiFePO ₄ batteries: Designing a unique cation/anion-co-workable dual-ion battery. <i>Journal of Energy Chemistry</i> , 2022 , 64, 166-171	12	25
254	Frontispiece: Covalent Organic Framework with Highly Accessible Carbonyls and π -Cation Effect for Advanced Potassium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2022 , 61,	16.4	1
253	Advanced polyanionic electrode materials for potassium-ion batteries: Progresses, challenges and application prospects. <i>Materials Today</i> , 2022 ,	21.8	11
252	An Advanced High-Entropy Fluorophosphate Cathode for Sodium-Ion Batteries with Increased Working Voltage and Energy Density (Adv. Mater. 14/2022). <i>Advanced Materials</i> , 2022 , 34, 2270110	24	0
251	Tetrafunctional template-assisted strategy to precisely construct co-doped Sb@C nanofiber with longitudinal tunnels for ultralong-life and high-rate sodium storage. <i>Energy Storage Materials</i> , 2022 , 48, 90-100	19.4	6
250	Heterogeneous interface in hollow ferroferric oxide/ iron phosphide@carbon spheres towards enhanced Li storage.. <i>Journal of Colloid and Interface Science</i> , 2022 , 617, 442-453	9.3	1
249	Advanced Lithium Primary Batteries: Key Materials, Research Progresses and Challenges.. <i>Chemical Record</i> , 2022 , e202200081	6.6	1
248	Magnesium-regulated oxygen vacancies of cobalt-nickel layered double hydroxide nanosheets for ultrahigh performance asymmetric supercapacitors.. <i>Journal of Colloid and Interface Science</i> , 2021 , 612, 772-781	9.3	6
247	Regulating Li nucleation/growth via implanting lithiophilic seeds onto flexible scaffolds enables highly stable Li metal anode. <i>Journal of Colloid and Interface Science</i> , 2021 , 609, 606-606	9.3	2
246	Air/water/temperature-stable cathode for all-climate sodium-ion batteries. <i>Cell Reports Physical Science</i> , 2021 , 100665	6.1	17

245	Advanced cathode for dual-ion batteries: Waste-to-wealth reuse of spent graphite from lithium-ion batteries. <i>EScience</i> , 2021 ,		12
244	Ether-Based Electrolyte Chemistry Towards High-Voltage and Long-Life Na-Ion Full Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26837-26846	16.4	29
243	One-dimensional core-shell motif nanowires with chemically-bonded transition metal sulfide-carbon heterostructures for efficient sodium-ion storage.. <i>Chemical Science</i> , 2021 , 12, 15054-15080	8.1	4
242	High-ionicity fluorophosphate lattice via aliovalent substitution as advanced cathode materials in sodium-ion batteries. <i>Informa Materilly</i> , 2021 , 3, 694-704	23.1	59
241	Engineering All-Purpose Amorphous Carbon Nanotubes with High N/O-Co-Doping Content to Bridge the Alkali-Ion Batteries and Li Metal Batteries. <i>Small</i> , 2021 , 17, e2006566	11	7
240	Proton-Conducting Polyoxometalates as Redox Electrolytes Synergistically Boosting the Performance of Self-Healing Solid-State Supercapacitors with Polyaniline. <i>CCS Chemistry</i> , 2021 , 3, 1649-1658	7.2	5
239	The Improved Interfacial and Thermal Stability of Nickel-Rich LiNi _{0.85} Co _{0.10} Mn _{0.05} O ₂ Cathode in Li-Ion Battery via Perovskite La ₄ NiLiO ₈ Coating. <i>ChemNanoMat</i> , 2021 , 7, 672-681	3.5	0
238	Spatial confinement of vertical arrays of lithiophilic SnS ₂ nanosheets enables conformal Li nucleation/growth towards dendrite-free Li metal anode. <i>Energy Storage Materials</i> , 2021 , 36, 504-513	19.4	25
237	Boron-doped Sb/SbO ₂ @rGO composites with tunable components and enlarged lattice spacing for high-rate sodium-ion batteries. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 315505	3	2
236	Sustainable and Robust Graphene Cellulose Paper Decorated with Lithiophilic Au Nanoparticles to Enable Dendrite-free and High-Power Lithium Metal Anode. <i>Chemistry - A European Journal</i> , 2021 , 27, 8168-8177	4.8	2
235	Robust Electrodes for Flexible Energy Storage Devices Based on Bimetallic Encapsulated Core-Multishell Structures. <i>Advanced Science</i> , 2021 , 8, e2100911	13.6	5
234	Homogeneous Li ⁺ Flux Distribution Enables Highly Stable and Temperature-Tolerant Lithium Anode. <i>Advanced Functional Materials</i> , 2021 , 31, 2102158	15.6	17
233	SbPS ₄ : A novel anode for high-performance sodium-ion batteries. <i>Chinese Chemical Letters</i> , 2021 , 33, 470-470	8.1	8
232	Aliovalent-Ion-Induced Lattice Regulation Based on Charge Balance Theory: Advanced Fluorophosphate Cathode for Sodium-Ion Full Batteries. <i>Small</i> , 2021 , 17, e2102010	11	5
231	Nano-SnO ₂ Decorated Carbon Cloth as Flexible, Self-supporting and Additive-Free Anode for Sodium/Lithium-Ion Batteries. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021 , 34, 390-400	2.5	46
230	Large-scale Ni-MOF derived Ni ₃ S ₂ nanocrystals embedded in N-doped porous carbon nanoparticles for high-rate Na ⁺ storage. <i>Chinese Chemical Letters</i> , 2021 , 32, 895-899	8.1	41
229	A sandwich nanocomposite composed of commercially available SnO and reduced graphene oxide as advanced anode materials for sodium-ion full batteries. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 396-404	6.8	7
228	Enhanced electrode kinetics and electrochemical properties of low-cost NaFe ₂ PO ₄ (SO ₄) ₂ via Ca ²⁺ doping as cathode material for sodium-ion batteries. <i>Journal of Materials Science and Technology</i> , 2021 , 78, 176-182	9.1	38

227	Tempura-like carbon/carbon composite as advanced anode materials for K-ion batteries. <i>Journal of Energy Chemistry</i> , 2021 , 59, 589-598	12	29
226	State-of-the-Art Progress in Diverse Black Phosphorus-Based Structures: Basic Properties, Synthesis, Stability, Photo- and Electrocatalysis-Driven Energy Conversion. <i>Advanced Functional Materials</i> , 2021 , 31, 2005197	15.6	18
225	Dual anionic substitution engineering for an advanced NASICON phosphate cathode in sodium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 5671-5678	7.8	1
224	Waste utilization of crab shell: 3D hierarchical porous carbon towards high-performance Na/Li storage. <i>New Journal of Chemistry</i> , 2021 ,	3.6	2
223	Addressing the Low Solubility of a Solid Electrolyte Interphase Stabilizer in an Electrolyte by Composite Battery Anode Design. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 13354-13361	9.5	7
222	Electrolyte Chemistry Towards Improved Cycling Stability in Na-Based Dual-Ion Batteries with High-Power/Energy Storage. <i>Batteries and Supercaps</i> , 2021 , 4, 1647	5.6	2
221	Progresses in Sustainable Recycling Technology of Spent Lithium-Ion Batteries. <i>Energy and Environmental Materials</i> , 2021 ,	13	15
220	Manipulation of Molecular Qubits by Isotope Effect on Spin Dynamics. <i>CCS Chemistry</i> , 2021 , 3, 2548-2556	2	3
219	[Co(ED)]-Based Metal-Organic Frameworks as Advanced Anode Materials in K- and Na-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 46902-46908	9.5	13
218	Knocking down the kinetic barriers towards fast-charging and low-temperature sodium metal batteries. <i>Energy and Environmental Science</i> , 2021 , 14, 4936-4947	35.4	17
217	Sponge-like NaFe ₂ PO ₄ (SO ₄) ₂ @rGO as a high-performance cathode material for sodium-ion batteries. <i>New Journal of Chemistry</i> , 2021 , 45, 4854-4859	3.6	2
216	In Situ Network Electrolyte Based on a Functional Polymerized Ionic Liquid with High Conductivity toward Lithium Metal Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 14755-14765	6.1	1
215	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). <i>Advanced Functional Materials</i> , 2021 , 31, 2170372	15.6	
214	Regulation of Cathode-Electrolyte Interphase via Electrolyte Additives in Lithium Ion Batteries. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2803-2814	4.5	16
213	Temperature-Dependent Electrochemical Properties and Electrode Kinetics of Na V (PO) O F Cathode for Sodium-Ion Batteries with High Energy Density. <i>Chemistry - A European Journal</i> , 2020 , 26, 7823-7830	4.8	29
212	Target encapsulating NiMoO ₄ nanocrystals into 1D carbon nanofibers as free-standing anode material for lithium-ion batteries with enhanced cycle performance. <i>Journal of Alloys and Compounds</i> , 2020 , 830, 154648	5.7	9
211	Isostructural and Multivalent Anion Substitution toward Improved Phosphate Cathode Materials for Sodium-Ion Batteries. <i>Small</i> , 2020 , 16, e1907645	11	44
210	Controlling Electron Spin Decoherence in Nd-based Complexes via Symmetry Selection. <i>IScience</i> , 2020 , 23, 100926	6.1	5

209	Sb&Sb2O3@C-enhanced flexible carbon cloth as an advanced self-supporting anode for sodium-ion batteries. <i>New Journal of Chemistry</i> , 2020 , 44, 4719-4725	3.6	6
208	Pseudocapacitive Lithium Storage of Cauliflower-Like CoFe O for Low-Temperature Battery Operation. <i>Chemistry - A European Journal</i> , 2020 , 26, 13652-13658	4.8	4
207	Carbon-coating-increased working voltage and energy density towards an advanced Na3V2(PO4)2F3@C cathode in sodium-ion batteries. <i>Science Bulletin</i> , 2020 , 65, 702-710	10.6	120
206	Double-Carbon Enhanced TiO2 Nanotubes as Highly Improved Anodes for Sodium-Ion Batteries. <i>ChemistrySelect</i> , 2020 , 5, 3820-3827	1.8	5
205	Bridging the immiscibility of an all-fluoride fire extinguishant with highly-fluorinated electrolytes toward safe sodium metal batteries. <i>Energy and Environmental Science</i> , 2020 , 13, 1788-1798	35.4	52
204	Construction of Bimetallic Selenides Encapsulated in Nitrogen/Sulfur Co-Doped Hollow Carbon Nanospheres for High-Performance Sodium/Potassium-Ion Half/Full Batteries. <i>Small</i> , 2020 , 16, e1907670 ¹¹		43
203	3D Carbon Networks Constructed NaVPO4F/C/rGO as a Cathode Material for High-Performance Sodium-Ion Batteries. <i>Frontiers in Energy Research</i> , 2020 , 8,	3.8	3
202	Full pseudocapacitive behavior hypoxic graphene for ultrafast and ultrastable sodium storage. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 9911-9918	13	3
201	A new polyoxometalate-resorcin[4]arene-based framework as an efficient anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020 , 835, 155314	5.7	5
200	Sodium-based dual-ion batteries via coupling high-capacity selenium/graphene anode with high-voltage graphite cathode. <i>Chinese Chemical Letters</i> , 2020 , 31, 2314-2318	8.1	29
199	Research Progresses on Vanadium-based Cathode Materials for Aqueous Zinc-Ion Batteries. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2020 , 2005013-0	3.8	14
198	Fe3O4 nanoflakes-RGO composites: A high rate anode material for lithium-ion batteries. <i>Applied Surface Science</i> , 2020 , 511, 145465	6.7	11
197	Rationally designed nitrogen-doped yolk-shell Fe7Se8/Carbon nanoboxes with enhanced sodium storage in half/full cells. <i>Carbon</i> , 2020 , 166, 175-182	10.4	17
196	Enhanced electrode kinetics and properties via anionic regulation in polyanionic Na3+xV2(PO4)3 (P2O7)x cathode material. <i>Green Energy and Environment</i> , 2020 ,	5.7	19
195	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. <i>Journal of Power Sources</i> , 2020 , 466, 228249	8.9	15
194	Nanoconstruction and nanoeffect of phosphate-based cathode materials for advanced sodium-ion batteries. <i>Nano Futures</i> , 2020 , 4, 042001	3.6	5
193	Recent progresses and challenges of metal sulfides as advanced anode materials in rechargeable sodium-ion batteries. <i>JPhys Materials</i> , 2020 , 3, 042004	4.2	9
192	Micro/Nanoengineered Fe O Nanoaggregate Conformably Enclosed by Ultrathin N-Doped Carbon Shell for Ultrastable Lithium Storage and Insight into Phase Evolution Mechanism. <i>Chemistry - A European Journal</i> , 2020 , 26, 853-862	4.8	10

191	Pseudocapacitive sodium storage of Fe _{1-x} S@N-doped carbon for low-temperature operation. <i>Science China Materials</i> , 2020 , 63, 505-515	7.1	24
190	Research Progresses on Interfaces in Solid-State Sodium Batteries: A Topic Review. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2001444	4.6	13
189	chemically encapsulated and controlled SnS nanocrystal composites for durable lithium/sodium-ion batteries. <i>Dalton Transactions</i> , 2020 , 49, 15874-15882	4.3	4
188	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. <i>Small</i> , 2020 , 16, e2003001	11	12
187	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. <i>Electrochimica Acta</i> , 2020 , 361, 137041	6.7	27
186	Robust three-dimensional carbon conductive network in a NaVPO ₄ F cathode used for superior high-rate and ultralong-lifespan sodium-ion full batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 17454-17462	12	22
185	High-Rate and Long-Cycle Cathode for Sodium-Ion Batteries: Enhanced Electrode Stability and Kinetics via Binder Adjustment. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 47580-47589	9.5	13
184	Hierarchical porous carbon pellicles: Electrospinning synthesis and applications as anodes for sodium-ion batteries with an outstanding performance. <i>Carbon</i> , 2020 , 157, 308-315	10.4	19
183	Sodium-Ion Batteries: Isostructural and Multivalent Anion Substitution toward Improved Phosphate Cathode Materials for Sodium-Ion Batteries (Small 16/2020). <i>Small</i> , 2020 , 16, 2070090	11	
182	Feasible engineering of cathode electrolyte interphase enables the profoundly improved electrochemical properties in dual-ion battery. <i>Journal of Energy Chemistry</i> , 2020 , 50, 416-423	12	60
181	Targeted Construction of Amorphous MoS with an Inherent Chain Molecular Structure for Improved Pseudocapacitive Lithium-Ion Response. <i>Chemistry - A European Journal</i> , 2019 , 25, 15173-15181	4.8	1
180	Flexible Na/K-Ion Full Batteries from the Renewable Cotton Cloth-Derived Stable, Low-Cost, and Binder-Free Anode and Cathode. <i>Advanced Energy Materials</i> , 2019 , 9, 1902056	21.8	50
179	An FeP@C nanoarray vertically grown on graphene nanosheets: an ultrastable Li-ion battery anode with pseudocapacitance-boosted electrochemical kinetics. <i>Nanoscale</i> , 2019 , 11, 1304-1312	7.7	33
178	2D few-layer iron phosphosulfide: a self-buffer heterophase structure induced by irreversible breakage of P-S bonds for high-performance lithium/sodium storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1529-1538	13	30
177	Pore-size dominated electrochemical properties of covalent triazine frameworks as anode materials for K-ion batteries. <i>Chemical Science</i> , 2019 , 10, 7695-7701	9.4	46
176	Ionic-liquid-bifunctional wrapping of ultrafine SnO nanocrystals into N-doped graphene networks: high pseudocapacitive sodium storage and high-performance sodium-ion full cells. <i>Nanoscale</i> , 2019 , 11, 14616-14624	7.7	17
175	High-Voltage All-Solid-State Na-Ion-Based Full Cells Enabled by All NASICON-Structured Materials. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24192-24197	9.5	15
174	Benign Recycling of Spent Batteries towards All-Solid-State Lithium Batteries. <i>Chemistry - A European Journal</i> , 2019 , 25, 8975-8981	4.8	15

173	Micron-scaled MoS ₂ /N-C particles with embedded nano-MoS ₂ : A high-rate anode material for enhanced lithium storage. <i>Applied Surface Science</i> , 2019 , 486, 519-526	6.7	6
172	P2-type Na ₂ /3Mn ₁ /2Co ₁ /3Cu ₁ /6O ₂ as advanced cathode material for sodium-ion batteries: Electrochemical properties and electrode kinetics. <i>Journal of Alloys and Compounds</i> , 2019 , 790, 1092-1100	5.7	23
171	Hierarchically porous nanosheets-constructed 3D carbon network for ultrahigh-capacity supercapacitor and battery anode. <i>Nanotechnology</i> , 2019 , 30, 214002	3.4	9
170	Precisely controlled preparation of an advanced Na ₃ V ₂ (PO ₄) ₂ O ₂ F cathode material for sodium ion batteries: the optimization of electrochemical properties and electrode kinetics. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 988-995	6.8	35
169	Dual-Carbon Enhanced FeP Nanorods Vertically Grown on Carbon Nanotubes with Pseudocapacitance-Boosted Electrochemical Kinetics for Superior Lithium Storage. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900006	6.4	11
168	Self-Supporting, Flexible, Additive-Free, and Scalable Hard Carbon Paper Self-Interwoven by 1D Microbelts: Superb Room/Low-Temperature Sodium Storage and Working Mechanism. <i>Advanced Materials</i> , 2019 , 31, e1903125	24	114
167	Compactly Coupled Nitrogen-Doped Carbon Nanosheets/Molybdenum Phosphide Nanocrystal Hollow Nanospheres as Polysulfide Reservoirs for High-Performance Lithium-Sulfur Chemistry. <i>Small</i> , 2019 , 15, e1902491	11	53
166	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. <i>2D Materials</i> , 2019 , 6, 045022	5.9	20
165	A cation/anion-dually active metal-organic complex with 2D lamellar structure as anode material for Li/Na-ion batteries. <i>Materials Today Energy</i> , 2019 , 13, 302-307	7	16
164	Recycled LiMn ₂ O ₄ from the spent lithium ion batteries as cathode material for sodium ion batteries: Electrochemical properties, structural evolution and electrode kinetics. <i>Electrochimica Acta</i> , 2019 , 320, 134626	6.7	34
163	Dendrite-free deposition on lithium anode toward long-life and high-stable Li//graphite dual-ion battery. <i>Chemical Communications</i> , 2019 , 55, 8406-8409	5.8	19
162	Effective Recycling of the Whole Cathode in Spent Lithium Ion Batteries: From the Widely Used Oxides to High-Energy/Stable Phosphates. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 ,	8.3	8
161	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). <i>Advanced Materials</i> , 2019 , 31, 1970288	24	1
160	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). <i>Advanced Energy Materials</i> , 2019 , 9, 1970149	21.8	1
159	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). <i>Small</i> , 2019 , 15, 1970216	11	
158	Carbon/Binder-Free NiO@NiO/NF with In Situ Formed Interlayer for High-Areal-Capacity Lithium Storage. <i>Advanced Energy Materials</i> , 2019 , 9, 1803690	21.8	35
157	Tailoring Coral-Like FeSe@C for Superior Low-Temperature Li/Na-Ion Half/Full Batteries: Synthesis, Structure, and DFT Studies. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 47886-47893	9.5	16
156	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. <i>Energy and Environmental Science</i> , 2019 , 12, 3575-3584	35.4	116

155	A carbon-incorporated LiMnBO ₃ /boron oxide composite as advanced anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2019 , 772, 105-111	5.7	2
154	Dendrite-Free Lithium Anode Enables the Lithium//Graphite Dual-Ion Battery with Much Improved Cyclic Stability. <i>ACS Applied Energy Materials</i> , 2019 , 2, 201-206	6.1	28
153	Highly Improved Cycling Stability of Anion De-/Intercalation in the Graphite Cathode for Dual-Ion Batteries. <i>Advanced Materials</i> , 2019 , 31, e1804766	24	133
152	A Practical Li-Ion Full Cell with a High-Capacity Cathode and Electrochemically Exfoliated Graphene Anode: Superior Electrochemical and Low-Temperature Performance. <i>ACS Applied Energy Materials</i> , 2019 , 2, 486-492	6.1	12
151	Adjustable and pseudocapacitance-prompted Li storage via the controlled preparation of nanocomposites with 0D-2D carbon networks. <i>Electrochimica Acta</i> , 2018 , 268, 323-331	6.7	7
150	Egg yolk-derived carbon: Achieving excellent fluorescent carbon dots and high performance lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018 , 746, 567-575	5.7	30
149	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. <i>Advanced Materials</i> , 2018 , 30, e1706317	24	133
148	Nitrogen-doped porous carbon: highly efficient trifunctional electrocatalyst for oxygen reversible catalysis and nitrogen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7762-7769	13	89
147	3 D Porous CoS Hexadecahedron Derived from MOC toward Ultrafast and Long-Lifespan Lithium Storage. <i>Chemistry - A European Journal</i> , 2018 , 24, 6798-6803	4.8	11
146	3D Hierarchical Microballs Constructed by Intertwined MnO@N-doped Carbon Nanofibers towards Superior Lithium-Storage Properties. <i>Chemistry - A European Journal</i> , 2018 , 24, 9606-9611	4.8	15
145	Pseudocapacitance-boosted ultrafast Na storage in a pie-like FeS@C nanohybrid as an advanced anode material for sodium-ion full batteries. <i>Nanoscale</i> , 2018 , 10, 9218-9225	7.7	109
144	1D porous MnO@N-doped carbon nanotubes with improved Li-storage properties as advanced anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2018 , 264, 292-300	6.7	127
143	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. <i>Advanced Energy Materials</i> , 2018 , 8, 1702504	21.8	120
142	A Scalable Strategy To Develop Advanced Anode for Sodium-Ion Batteries: Commercial FeO-Derived FeO@FeS with Superior Full-Cell Performance. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3581-3589	9.5	165
141	Quasi-Solid-State Sodium-Ion Full Battery with High-Power/Energy Densities. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17903-17910	9.5	52
140	High-Performance and Low-Temperature Lithium/Sulfur Batteries: Synergism of Thermodynamic and Kinetic Regulation. <i>Advanced Energy Materials</i> , 2018 , 8, 1703638	21.8	86
139	Target construction of ultrathin graphitic carbon encapsulated FeS hierarchical microspheres featuring superior low-temperature lithium/sodium storage properties. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7997-8005	13	44
138	MnWO nanoparticles as advanced anodes for lithium-ion batteries: F-doped enhanced lithiation/delithiation reversibility and Li-storage properties. <i>Nanoscale</i> , 2018 , 10, 6832-6836	7.7	15

137	An Ultralong Lifespan and Low-Temperature Workable Sodium-Ion Full Battery for Stationary Energy Storage. <i>Advanced Energy Materials</i> , 2018 , 8, 1703252	21.8	160
136	Multiple heterointerfaces boosted de-/sodiation kinetics towards superior Na storage and Na-Ion full battery. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6578-6586	13	41
135	Layer-stacked Sb@graphene micro/nanocomposite with decent Na-storage, full-cell and low-temperature performances. <i>Journal of Alloys and Compounds</i> , 2018 , 731, 881-888	5.7	12
134	Coaxial MnSe@N-doped carbon double nanotubes as superior anode materials in Li/Na-ion half/full batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15797-15806	13	39
133	Layered g-CN@Reduced Graphene Oxide Composites as Anodes with Improved Rate Performance for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30330-30336	9.5	25
132	Self-assembly of polyoxometalate/reduced graphene oxide composites induced by ionic liquids as a high-rate cathode for batteries: Killing two birds with one stone. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1743-1750	13	18
131	Effective Cathode Design of Three-Layered Configuration for High-Energy Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 509-516	9.5	20
130	Boosting solid-state flexible supercapacitors by employing tailored hierarchical carbon electrodes and a high-voltage organic gel electrolyte. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24979-24987	13	28
129	Ni _{1.5} CoSe ₅ 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. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 22966-22975	13	70
128	Hierarchical GeP/Carbon Nanocomposite with Dual-Carbon Conductive Network as Promising Anode Material for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36902-36909	9.5	29
127	Three-dimensional hierarchical NiSe nanorod array as binder/carbon-free electrode for high-areal-capacity Na storage. <i>Nanoscale</i> , 2018 , 10, 18942-18948	7.7	26
126	N-Doped Carbon-Coated Ni _{1.8} Co _{1.2} Se ₄ Nanoaggregates Encapsulated in N-Doped Carbon Nanoboxes as Advanced Anode with Outstanding High-Rate and Low-Temperature Performance for Sodium-Ion Half/Full Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1805444	15.6	175
125	Advanced P2-NaNiMnFeO Cathode Material with Suppressed P2-O2 Phase Transition toward High-Performance Sodium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 34272-34282	9.5	80
124	A promising PMHS/PEO blend polymer electrolyte for all-solid-state lithium ion batteries. <i>Dalton Transactions</i> , 2018 , 47, 14932-14937	4.3	46
123	Improved Reversibility of Fe /Fe Redox Couple in Sodium Super Ion Conductor Type Na Fe (PO) for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2017 , 29, 1605694	24	115
122	Co S /MoS Yolk-Shell Spheres for Advanced Li/Na Storage. <i>Small</i> , 2017 , 13, 1603490	11	127
121	P2-type Na _{0.53} MnO ₂ nanorods with superior rate capabilities as advanced cathode material for sodium ion batteries. <i>Chemical Engineering Journal</i> , 2017 , 316, 499-505	14.7	51
120	Metastable Marcasite-FeS as a New Anode Material for Lithium Ion Batteries: CNFs-Improved Lithiation/Delithiation Reversibility and Li-Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10708-10716	9.5	96

119	Porous Amorphous Co ₂ P/N,B-Co-doped Carbon Composite as an Improved Anode Material for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2017 , 4, 1395-1401	4.3	20
118	Oxygen-Deficient Titanium Dioxide Nanosheets as More Effective Polysulfide Reservoirs for Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2017 , 23, 9666-9673	4.8	54
117	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. <i>Electrochimica Acta</i> , 2017 , 244, 86-95	6.7	20
116	Synergistic mediation of sulfur conversion in lithium-sulfur batteries by a Gerber tree-like interlayer with multiple components. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 11255-11262	13	37
115	P2-type Na _{2/3} Mn _{1-x} Al _x O ₂ cathode material for sodium-ion batteries: Al-doped enhanced electrochemical properties and studies on the electrode kinetics. <i>Journal of Power Sources</i> , 2017 , 356, 80-88	8.9	144
114	Electrochemical In Situ Formation of a Stable Ti-Based Skeleton for Improved Li-Storage Properties: A Case Study of Porous CoTiO Nanofibers. <i>Chemistry - A European Journal</i> , 2017 , 23, 8712-8718	4.8	11
113	Ultrahigh quantum efficiency photodetector and ultrafast reversible surface wettability transition of square In ₂ O ₃ nanowires. <i>Nano Research</i> , 2017 , 10, 2772-2781	10	19
112	Co ₃ O ₄ Nanospheres Embedded in a Nitrogen-Doped Carbon Framework: An Electrode with Fast Surface-Controlled Redox Kinetics for Lithium Storage. <i>ACS Energy Letters</i> , 2017 , 2, 52-59	20.1	51
111	Tunable Co ₃ O ₄ hollow structures (from yolk-shell to multi-shell) and their Li storage properties. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12757-12761	13	32
110	High-Energy/Power and Low-Temperature Cathode for Sodium-Ion Batteries: In Situ XRD Study and Superior Full-Cell Performance. <i>Advanced Materials</i> , 2017 , 29, 1701968	24	266
109	An in situ-Fabricated Composite Polymer Electrolyte Containing Large-Anion Lithium Salt for All-Solid-State LiFePO ₄ /Li Batteries. <i>ChemElectroChem</i> , 2017 , 4, 2293-2299	4.3	12
108	Flexible P-Doped Carbon Cloth: Vacuum-Sealed Preparation and Enhanced Na-Storage Properties as Binder-Free Anode for Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 12518-12527	9.5	55
107	Porous Carbon with Willow-Leaf-Shaped Pores for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42699-42707	9.5	25
106	Disordered mesoporous polyacenes/sulfur nanocomposites: Superior cathode materials for lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2017 , 693, 1045-1051	5.7	6
105	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. <i>Journal of Alloys and Compounds</i> , 2017 , 694, 208-216	5.7	18
104	Multifunctional 0D/2D Ni ₂ P Nanocrystals/Black Phosphorus Heterostructure. <i>Advanced Energy Materials</i> , 2017 , 7, 1601285	21.8	114
103	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. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16622-16629	13	43
102	P2-Na _{2/3} Ni _{1/3} Mn _{5/9} Al _{1/9} O ₂ Microparticles as Superior Cathode Material for Sodium-Ion Batteries: Enhanced Properties and Mechanism via Graphene Connection. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 20650-9	9.5	138

101	Controllable Preparation of Square Nickel Chalcogenide (NiS and NiSe ₂) Nanoplates for Superior Li/Na Ion Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 25261-7	9.5	145
100	Assembly of MnCO ₃ nanoplatelets synthesized at low temperature on graphene to achieve anode materials with high rate performance for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016 , 215, 267-275	6.7	32
99	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. <i>Nanoscale Horizons</i> , 2016 , 1, 496-501	10.8	48
98	Optical Identification of Topological Defect Types in Monolayer Arsenene by First-Principles Calculation. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 24917-24924	3.8	19
97	Synergistic Design of Cathode Region for the High-Energy-Density Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 28689-28699	9.5	25
96	Carbon-Free Porous ZnGeO Nanofibers as Advanced Anode Materials for High-Performance Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 31722-31728	9.5	21
95	Do the bridging oxygen bonds between active Sn nanodots and graphene improve the Li-storage properties?. <i>Energy Storage Materials</i> , 2016 , 5, 214-222	19.4	36
94	The Effective Design of a Polysulfide-Trapped Separator at the Molecular Level for High Energy Density Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16108-15	9.5	91
93	Hierarchically-Porous Carbon Derived from a Large-Scale Iron-based Organometallic Complex for Versatile Energy Storage. <i>ChemSusChem</i> , 2016 , 9, 1483-9	8.3	5
92	Alkali-Metal-Ion-Functionalized Graphene Oxide as a Superior Anode Material for Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2016 , 22, 8152-7	4.8	17
91	A Novel Layered Sedimentary Rocks Structure of the Oxygen-Enriched Carbon for Ultrahigh-Rate-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 4233-41	9.5	50
90	The in-situ-prepared micro/nanocomposite composed of Sb and reduced graphene oxide as superior anode for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2016 , 672, 72-78	5.7	37
89	Dual-carbon enhanced silicon-based composite as superior anode material for lithium ion batteries. <i>Journal of Power Sources</i> , 2016 , 307, 738-745	8.9	70
88	In Situ Binding Sb Nanospheres on Graphene via Oxygen Bonds as Superior Anode for Ultrafast Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7790-9	9.5	145
87	Porous cubes constructed by cobalt oxide nanocrystals with graphene sheet coatings for enhanced lithium storage properties. <i>Nanoscale</i> , 2016 , 8, 7688-94	7.7	46
86	Conversion of uniform graphene oxide/polypyrrole composites into functionalized 3D carbon nanosheet frameworks with superior supercapacitive and sodium-ion storage properties. <i>Journal of Power Sources</i> , 2016 , 307, 17-24	8.9	21
85	Flexible paper electrodes constructed from Zn ₂ GeO ₄ nanofibers anchored with amorphous carbon for advanced lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 2055-2059	13	18
84	Restraining Capacity Increase To Achieve Ultrastable Lithium Storage: Case Study of a Manganese(II) Oxide/Graphene-Based Nanohybrid and Its Full-Cell Performance. <i>ChemElectroChem</i> , 2016 , 3, 1354-1359	4.3	20

83	Graphene Nanosheets Suppress the Growth of Sb Nanoparticles in an Sb/C Nanocomposite to Achieve Fast Na Storage. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 204-211	3.1	37
82	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. <i>Advanced Functional Materials</i> , 2016 , 26, 3082-3093	15.6	292
81	(PO ₄) ₃ polyanions doped LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ : An ultrafast-rate, long-life and high-voltage cathode material for Li-ion rechargeable batteries. <i>Electrochimica Acta</i> , 2016 , 201, 8-19	6.7	27
80	Diffusion induced concave Co ₃ O ₄ @CoFe ₂ O ₄ hollow heterostructures for high performance lithium ion battery anode. <i>Energy Storage Materials</i> , 2016 , 4, 145-153	19.4	35
79	Shale-like Co ₃ O ₄ for high performance lithium/sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 8242-8248	13	98
78	Hierarchically Porous N-Doped Carbon Nanosheets Derived From Grapefruit Peels for High-Performance Supercapacitors. <i>ChemistrySelect</i> , 2016 , 1, 1441-1447	1.8	41
77	Enhancement of electrochemical performance of LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ by surface modification with MnO ₂ . <i>Journal of Alloys and Compounds</i> , 2015 , 651, 12-18	5.7	23
76	Fabrication of functionalized polysulfide reservoirs from large graphene sheets to improve the electrochemical performance of lithium-sulfur batteries. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 23481-8	3.6	19
75	A plum-pudding like mesoporous SiO ₂ /flake graphite nanocomposite with superior rate performance for LIB anode materials. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 22893-9	3.6	17
74	A vertical and cross-linked Ni(OH) ₂ network on cellulose-fiber covered with graphene as a binder-free electrode for advanced asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19077-19084	13	44
73	Improve the Overall Performances of Lithium Ion Batteries by a Facile Method of Modifying the Surface of Cu Current Collector with Carbon. <i>Electrochimica Acta</i> , 2015 , 176, 604-609	6.7	24
72	Constructing the optimal conductive network in MnO-based nanohybrids as high-rate and long-life anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19738-19746	13	121
71	Nanoeffects promote the electrochemical properties of organic Na ₂ C ₈ H ₄ O ₄ as anode material for sodium-ion batteries. <i>Nano Energy</i> , 2015 , 13, 450-457	17.1	116
70	A study of the electrochemical behavior at low temperature of the Li ₃ V ₂ (PO ₄) ₃ cathode material for Li-ion batteries. <i>New Journal of Chemistry</i> , 2015 , 39, 9617-9626	3.6	6
69	Romanechite-structured Na _{0.31} MnO _{1.9} nanofibers as high-performance cathode material for a sodium-ion battery. <i>Chemical Communications</i> , 2015 , 51, 14848-51	5.8	41
68	Polypyrrole nanosphere embedded in wrinkled graphene layers to obtain cross-linking network for high performance supercapacitors. <i>Electrochimica Acta</i> , 2015 , 184, 179-185	6.7	8
67	Molten sodium-induced graphitization towards highly crystalline and hierarchical porous graphene frameworks. <i>2D Materials</i> , 2015 , 2, 035016	5.9	8
66	A Superior Na ₃ V ₂ (PO ₄) ₃ -Based Nanocomposite Enhanced by Both N-Doped Coating Carbon and Graphene as the Cathode for Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2015 , 21, 17371-8	4.8	145

65	Full Protection for Graphene-Incorporated Micro-/Nanocomposites Containing Ultra-small Active Nanoparticles: the Best Li-Storage Properties. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 1020-1027	3.1	41
64	Nanoscale Polysulfides Reactors Achieved by Chemical Au-S Interaction: Improving the Performance of Li-S Batteries on the Electrode Level. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 27959-67	9.5	55
63	Porous N-doped carbon material derived from prolific chitosan biomass as a high-performance electrode for energy storage. <i>RSC Advances</i> , 2015 , 5, 97427-97434	3.7	53
62	Electrochemical performance improvement of N-doped graphene as electrode materials for supercapacitors by optimizing the functional groups. <i>RSC Advances</i> , 2015 , 5, 12583-12591	3.7	14
61	Emission from Trions in Carbon Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2956-2962	3.8	43
60	Dual-Porosity SiO ₂ /C Nanocomposite with Enhanced Lithium Storage Performance. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 3495-3501	3.8	87
59	A novel approach to prepare Si/C nanocomposites with yolk-shell structures for lithium ion batteries. <i>RSC Advances</i> , 2014 , 4, 36218-36225	3.7	31
58	High-quality Prussian blue crystals as superior cathode materials for room-temperature sodium-ion batteries. <i>Energy and Environmental Science</i> , 2014 , 7, 1643-1647	35.4	691
57	LiV ₃ O ₈ nanorods as cathode materials for high-power and long-life rechargeable lithium-ion batteries. <i>RSC Advances</i> , 2014 , 4, 25494-25501	3.7	29
56	CdS:Mn Polysulfido Complex Nanoclusters with H ₂ O ₂ -Dependent and Site-Specific Color Changes. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 11085-11092	3.8	3
55	Effect of cationic and anionic substitutions on the electrochemical properties of LiNi _{0.5} Mn _{1.5} O ₄ spinel cathode materials. <i>Electrochimica Acta</i> , 2014 , 138, 493-500	6.7	24
54	Enhanced Photodegradation of Methyl Orange Synergistically by Microcrystal Facet Cutting and Flexible Electrically-Conducting Channels. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 28063-28068	3.8	22
53	A novel polymer electrolyte with improved high-temperature-tolerance up to 170°C for high-temperature lithium-ion batteries. <i>Journal of Power Sources</i> , 2013 , 244, 234-239	8.9	50
52	A zero-strain insertion cathode material of nickel ferricyanide for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14061	13	159
51	A carbon-coated Li ₃ V ₂ (PO ₄) ₃ cathode material with an enhanced high-rate capability and long lifespan for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2508	13	90
50	Enhanced working temperature of PEO-based polymer electrolyte via porous PTFE film as an efficient heat resister. <i>Solid State Ionics</i> , 2013 , 245-246, 1-7	3.3	26
49	Carbon-Nanotube-Decorated Nano-LiFePO ₄ @C Cathode Material with Superior High-Rate and Low-Temperature Performances for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2013 , 3, 1155-1160	21.8	294
48	Rational design of anode materials based on Group IVA elements (Si, Ge, and Sn) for lithium-ion batteries. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 1948-58	4.5	163

47	Self-Assembled LiFePO ₄ /C Nano/Microspheres by Using Phytic Acid as Phosphorus Source. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 5019-5024	3.8	93
46	Superior hybrid cathode material containing lithium-excess layered material and graphene for lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 4858-63	9.5	105
45	Microfluidic etching for fabrication of flexible and all-solid-state micro supercapacitor based on MnO ₂ nanoparticles. <i>Nanoscale</i> , 2011 , 3, 2703-8	7.7	130
44	Twinned TATB nanobelts: synthesis, characterization, and formation mechanism. <i>CrystEngComm</i> , 2011 , 13, 6658	3.3	6
43	Enhanced Li ⁺ conductivity in PEO/BOB polymer electrolytes by using succinonitrile as a plasticizer. <i>Solid State Ionics</i> , 2011 , 186, 1-6	3.3	81
42	Template-free synthesis and supercapacitance performance of a hierachically porous oxygen-enriched carbon material. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 1897-904	1.3	24
41	Synthesis of nanostructured fibers consisting of carbon coated Mn ₃ O ₄ nanoparticles and their application in electrochemical capacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 8158-63 ^{1,3}	1.3	12
40	Synthesis of CuO/graphene nanocomposite as a high-performance anode material for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2010 , 20, 10661		346
39	Symbiotic Coaxial Nanocables: Facile Synthesis and an Efficient and Elegant Morphological Solution to the Lithium Storage Problem. <i>Chemistry of Materials</i> , 2010 , 22, 1908-1914	9.6	185
38	Non-sacrificial template synthesis of Cr ₂ O ₃ hierarchical core/shell nanospheres and their application as anode materials in lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7565		62
37	Facile Synthesis of Mesoporous TiO ₂ Nanosphere as an Improved Anode Material for Superior High Rate 1.5 V Rechargeable Li Ion Batteries Containing LiFePO ₄ Cathode. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 10308-10313	3.8	109
36	Highly Dispersed RuO ₂ Nanoparticles on Carbon Nanotubes: Facile Synthesis and Enhanced Supercapacitance Performance. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 2448-2451	3.8	274
35	Preparation and li storage properties of hierarchical porous carbon fibers derived from alginic acid. <i>ChemSusChem</i> , 2010 , 3, 703-7	8.3	87
34	Synthesis and Lithium Storage Properties of Co ₃ O ₄ Nanosheet-Assembled Multishelled Hollow Spheres. <i>Advanced Functional Materials</i> , 2010 , 20, 1680-1686	15.6	615
33	Self-wound composite nanomembranes as electrode materials for lithium ion batteries. <i>Advanced Materials</i> , 2010 , 22, 4591-5	24	92
32	LiFePO ₄ Nanoparticles Embedded in a Nanoporous Carbon Matrix: Superior Cathode Material for Electrochemical Energy-Storage Devices. <i>Advanced Materials</i> , 2009 , 21, 2710-2714	24	597
31	Superior storage performance of carbon nanosprings as anode materials for lithium-ion batteries. <i>Electrochemistry Communications</i> , 2009 , 11, 1468-1471	5.1	56
30	SnO ₂ -Based Hierarchical Nanomicrostructures: Facile Synthesis and Their Applications in Gas Sensors and Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 14213-14219	3.8	171

29	Solvothermal Synthesis of LiFePO ₄ Hierarchically Dumbbell-Like Microstructures by Nanoplate Self-Assembly and Their Application as a Cathode Material in Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3345-3351	3.8	172
28	Synthesis of Single-Crystalline Co ₃ O ₄ Octahedral Cages with Tunable Surface Aperture and Their Lithium Storage Properties. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 15553-15558	3.8	133
27	Fe ₂ O ₃ Nanostructures: Inorganic Salt-Controlled Synthesis and Their Electrochemical Performance toward Lithium Storage. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 16824-16829	3.8	200
26	Carbon Coated Fe ₃ O ₄ Nanospindles as a Superior Anode Material for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2008 , 18, 3941-3946	15.6	1119
25	Preparation of ZnO Nanostructures by Thermal Degradation of Zinc Alginate Fibers. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2008 , 24, 2179-2184	3.8	3
24	Controllable Synthesis of PbO Nano/Microstructures Using a Porous Alumina Template. <i>Crystal Growth and Design</i> , 2007 , 7, 2665-2669	3.5	23
23	Synthesis of Mg ₅ (CO ₃) ₄ (OH) ₂ ·4H ₂ O with Flower-like Micro-structure and Its Catalytic Activity for Transesterification of Dimethyl Carbonate with Phenol. <i>Chemical Research in Chinese Universities</i> , 2007 , 23, 641-645	2.2	5
22	Synthesis and Photoluminescent Properties of Strontium Tungstate Nanostructures. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 532-537	3.8	80
21	Microemulsion-mediated solvothermal synthesis and morphological evolution of MnCO ₃ nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 2123-8	1.3	18
20	Sonochemical Synthesis of Prussian Blue Nanocubes from a Single-Source Precursor. <i>Crystal Growth and Design</i> , 2006 , 6, 26-28	3.5	126
19	Shape-controlled synthesis of Prussian blue analogue Co ₃ [Co(CN) ₆] ₂ nanocrystals. <i>Chemical Communications</i> , 2005 , 2241-3	5.8	106
18	Microemulsion-mediated solvothermal synthesis of SrCO ₃ nanostructures. <i>Langmuir</i> , 2005 , 21, 6093-6	4	99
17	Single-crystal dendritic micro-pines of magnetic alpha-Fe ₂ O ₃ : large-scale synthesis, formation mechanism, and properties. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4197-201	16.4	407
16	Single-Crystal Dendritic Micro-Pines of Magnetic Fe ₂ O ₃ : Large-Scale Synthesis, Formation Mechanism, and Properties.. <i>ChemInform</i> , 2005 , 36, no		1
15	Magnetic iron nitride nanodendrites. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 2390-2393	3.3	10
14	Microemulsion-based solvothermal synthesis of aluminium orthophosphate nanocrystals. <i>Nanotechnology</i> , 2005 , 16, 2129-33	3.4	5
13	Electroluminescence and photoluminescence of Ge ⁺ -implanted SiO ₂ films thermally grown on crystalline silicon. <i>Applied Physics Letters</i> , 1997 , 71, 2505-2507	3.4	26
12	Covalent Organic Framework with Highly Accessible Carbonyls and Cation Effect for Advanced Potassium-Ion Batteries. <i>Angewandte Chemie</i> , e202117661	3.6	0

11	Localized Electron Density Redistribution in Fluorophosphate Cathode: Dangling Anion Regulation and Enhanced Na-Ion Diffusivity for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> ,2109694	15.6	5
10	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. <i>Journal of Materials Chemistry A</i> ,	13	2
9	Pseudocapacitive sodium storage in a new brand foveolate TiO ₂ @MoSe ₂ nanocomposite for high-performance Na-ion hybrid capacitors. <i>Journal of Materials Chemistry A</i> ,	13	2
8	N-doped Porous Host with Lithiophilic Co Nanoparticles Implanted into 3D Carbon Nanotubes for Dendrite-Free Lithium Metal Anodes. <i>ACS Applied Energy Materials</i> ,	6.1	4
7	Flexible quasi-solid-state sodium-ion full battery with ultralong cycle life, high energy density and high-rate capability. <i>Nano Research</i> ,1	10	14
6	Advanced cathode materials in dual-ion batteries: Progress and prospect. <i>Electrochemical Science Advances</i> ,e2100127		1
5	A unique co-recovery strategy of cathode and anode from spent LiFePO ₄ battery. <i>Science China Materials</i> ,1	7.1	10
4	3D Ordered Porous Hybrid of ZnSe/N-doped Carbon with Anomalously High Na ⁺ Mobility and Ultrathin Solid Electrolyte Interphase for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> ,2106194	15.6	21
3	All-Climate and Ultrastable Dual-Ion Batteries with Long Life Achieved via Synergistic Enhancement of Cathode and Anode Interfaces. <i>Advanced Functional Materials</i> ,2201038	15.6	15
2	Sustainable development of graphitic carbon nanosheets from plastic wastes with efficient photothermal energy conversion for enhanced solar evaporation. <i>Journal of Materials Chemistry A</i> ,	13	4
1	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. <i>Advanced Functional Materials</i> ,2204066	15.6	11