

Hongfei Li

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.

246
papers

19,928
citations

80
h-index

135
g-index

268
ext. papers

26,436
ext. citations

15.6
avg, IF

7.45
L-index

#	Paper	IF	Citations
246	In-situ grown porous protective layers with high binding strength for stable Zn anodes. <i>Chemical Engineering Journal</i> , 2022 , 434, 134688	14.7	1
245	Few-layer bismuth selenide cathode for low-temperature quasi-solid-state aqueous zinc metal batteries.. <i>Nature Communications</i> , 2022 , 13, 752	17.4	2
244	A Versatile Cation Additive Enabled Highly Reversible Zinc Metal Anode. <i>Advanced Energy Materials</i> , 2022 , 12, 2102780	21.8	14
243	Ether-Water Hybrid Electrolyte Contributing to Excellent Mg Ion Storage in Layered Sodium Vanadate.. <i>ACS Nano</i> , 2022 ,	16.7	3
242	Sulfonated Graphene Aerogels Enable Safe-to-Use Flexible Perovskite Solar Modules. <i>Advanced Energy Materials</i> , 2022 , 12, 2103236	21.8	17
241	Mechanistic Study of Interfacial Modification for Stable Zn Anode Based on a Thin Separator.. <i>Small</i> , 2022 , e2201045	11	3
240	Low Infrared Emissivity and Strong Stealth of Ti-Based MXenes. <i>Research</i> , 2022 , 2022, 1-7	7.8	1
239	Perspective on Micro-Supercapacitors.. <i>Frontiers in Chemistry</i> , 2021 , 9, 807500	5	0
238	Reconstructing Vanadium Oxide with Anisotropic Pathways for a Durable and Fast Aqueous K-Ion Battery. <i>ACS Nano</i> , 2021 ,	16.7	5
237	Recent Advances in Electrolytes for "Beyond Aqueous" Zinc-Ion Batteries. <i>Advanced Materials</i> , 2021 , e2106409	24	23
236	Categorizing wearable batteries: Unidirectional and omnidirectional deformable batteries. <i>Matter</i> , 2021 , 4, 3146-3160	12.7	11
235	Conversion-Type Nonmetal Elemental Tellurium Anode with High Utilization for Mild/Alkaline Zinc Batteries. <i>Advanced Materials</i> , 2021 , e2105426	24	10
234	Vacancy Modulating Co Sn S Topological Semimetal for Aqueous Zinc-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 61, e202111826	16.4	5
233	Small-Dipole-Molecule-Containing Electrolytes for High-Voltage Aqueous Rechargeable Batteries. <i>Advanced Materials</i> , 2021 , e2106180	24	14
232	Low-Bandgap Organic Bulk-Heterojunction Enabled Efficient and Flexible Perovskite Solar Cells. <i>Advanced Materials</i> , 2021 , 33, e2105539	24	27
231	Stable bismuth-antimony alloy cathode with a conversion-dissolution/deposition mechanism for high-performance zinc batteries. <i>Materials Today</i> , 2021 , 51, 87-87	21.8	2
230	Rechargeable quasi-solid-state aqueous hybrid Al ³⁺ /H ⁺ battery with 10,000 ultralong cycle stability and smart switching capability. <i>Nano Research</i> , 2021 , 14, 4154	10	2

229	Electrochemically induced NiCoSe ₂ @NiOOH/CoOOH heterostructures as multifunctional cathode materials for flexible hybrid Zn batteries. <i>Energy Storage Materials</i> , 2021 , 36, 427-434	19.4	27
228	A Highly Stable and Durable Capacitive Strain Sensor Based on Dynamically Super-Tough Hydro/Organo-Gels. <i>Advanced Functional Materials</i> , 2021 , 31, 21010830	15.6	20
227	Proton-assisted calcium-ion storage in aromatic organic molecular crystal with coplanar stacked structure. <i>Nature Communications</i> , 2021 , 12, 2400	17.4	32
226	A reversible Zn-metal battery. <i>Nature Nanotechnology</i> , 2021 , 16, 854-855	28.7	12
225	Carbonaceous and Polymer Materials for Li ⁺ Batteries with an Emphasis on Flexible Devices. <i>Advanced Energy and Sustainability Research</i> , 2021 , 2, 2000096	1.6	2
224	Suppressing passivation layer of Al anode in aqueous electrolytes by complexation of H ₂ PO ₄ ²⁻ to Al ³⁺ and an electrochromic Al ion battery. <i>Energy Storage Materials</i> , 2021 , 39, 412-412	19.4	22
223	Manipulating anion intercalation enables a high-voltage aqueous dual ion battery. <i>Nature Communications</i> , 2021 , 12, 3106	17.4	25
222	A manganese hexacyanoferrate framework with enlarged ion tunnels and two-species redox reaction for aqueous Al-ion batteries. <i>Nano Energy</i> , 2021 , 84, 105945	17.1	20
221	Energy-dissipative dual-crosslinked hydrogels for dynamically super-tough sensors. <i>Science China Materials</i> , 2021 , 64, 2764-2776	7.1	5
220	Cations Coordination-Regulated Reversibility Enhancement for Aqueous Zn-Ion Battery. <i>Advanced Functional Materials</i> , 2021 , 31, 2105736	15.6	19
219	Non-metallic charge carriers for aqueous batteries. <i>Nature Reviews Materials</i> , 2021 , 6, 109-123	73.3	85
218	High-Energy Aqueous Magnesium Hybrid Full Batteries Enabled by Carrier-Hosting Potential Compensation. <i>Angewandte Chemie</i> , 2021 , 133, 5503-5512	3.6	5
217	High-Energy Aqueous Magnesium Hybrid Full Batteries Enabled by Carrier-Hosting Potential Compensation. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 5443-5452	16.4	21
216	Electrocatalytic Iodine Reduction Reaction Enabled by Aqueous Zinc-Iodine Battery with Improved Power and Energy Densities. <i>Angewandte Chemie</i> , 2021 , 133, 3835-3842	3.6	14
215	Electrocatalytic Iodine Reduction Reaction Enabled by Aqueous Zinc-Iodine Battery with Improved Power and Energy Densities. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3791-3798	16.4	26
214	Stretchable Energy Storage Devices: From Materials and Structural Design to Device Assembly. <i>Advanced Energy Materials</i> , 2021 , 11, 2003308	21.8	28
213	Effects of Anion Carriers on Capacitance and Self-Discharge Behaviors of Zinc Ion Capacitors. <i>Angewandte Chemie</i> , 2021 , 133, 1024-1034	3.6	11
212	Effects of Anion Carriers on Capacitance and Self-Discharge Behaviors of Zinc Ion Capacitors. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 1011-1021	16.4	70

211	Grafted MXene/polymer electrolyte for high performance solid zinc batteries with enhanced shelf life at low/high temperatures. <i>Energy and Environmental Science</i> , 2021 , 14, 3492-3501	35.4	44
210	Activating the I ⁰ /I ⁺ redox couple in an aqueous I ₂ /Zn battery to achieve a high voltage plateau. <i>Energy and Environmental Science</i> , 2021 , 14, 407-413	35.4	38
209	Confining Aqueous Zn-Br Halide Redox Chemistry by TiCT MXene. <i>ACS Nano</i> , 2021 , 15, 1718-1726	16.7	28
208	Halogenated TiC MXenes with Electrochemically Active Terminals for High-Performance Zinc Ion Batteries. <i>ACS Nano</i> , 2021 , 15, 1077-1085	16.7	50
207	Toward Practical High-Areal-Capacity Aqueous Zinc-Metal Batteries: Quantifying Hydrogen Evolution and a Solid-Ion Conductor for Stable Zinc Anodes. <i>Advanced Materials</i> , 2021 , 33, e2007406	24	133
206	Reversible Intercalation of Al-Ions in Poly(3,4-Ethylenedioxythiophene):Poly(4-Styrenesulfonate) Electrode for Aqueous Electrochemical Capacitors with High Energy Density. <i>Energy Technology</i> , 2021 , 9, 2001036	3.5	1
205	Initiating a Room-Temperature Rechargeable Aqueous Fluoride-Ion Battery with Long Lifespan through a Rational Buffering Phase Design. <i>Advanced Energy Materials</i> , 2021 , 11, 2003714	21.8	13
204	Calendar Life of Zn Batteries Based on Zn Anode with Zn Powder/Current Collector Structure. <i>Advanced Energy Materials</i> , 2021 , 11, 2003931	21.8	48
203	Multi-Functional Hydrogels for Flexible Zinc-Based Batteries Working under Extreme Conditions. <i>Advanced Energy Materials</i> , 2021 , 11, 2101749	21.8	38
202	Molecular Crowding Effect in Aqueous Electrolytes to Suppress Hydrogen Reduction Reaction and Enhance Electrochemical Nitrogen Reduction. <i>Advanced Energy Materials</i> , 2021 , 11, 2101699	21.8	16
201	Metal-Iodine and Metal-Bromine Batteries: A Review. <i>Bulletin of the Chemical Society of Japan</i> , 2021 , 94, 2036-2042	5.1	5
200	Electrolyte/Structure-Dependent Cocktail Mediation Enabling High-Rate/Low-Plateau Metal Sulfide Anodes for Sodium Storage. <i>Nano-Micro Letters</i> , 2021 , 13, 178	19.5	2
199	High-Rate Aqueous Aluminum-Ion Batteries Enabled by Confined Iodine Conversion Chemistry.. <i>Small Methods</i> , 2021 , 5, e2100611	12.8	2
198	Toward a Practical Zn Powder Anode: TiCT MXene as a Lattice-Match Electrons/Ions Redistributor. <i>ACS Nano</i> , 2021 , 15, 14631-14642	16.7	26
197	Boron Nitride Nanosheet Dispersion at High Concentrations. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44751-44759	9.5	3
196	Battery-Sensor Hybrid: A New Gas Sensing Paradigm with Complete Energy Self-Sufficiency. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 46507-46517	9.5	3
195	Multi-Functional Hydrogels for Flexible Zinc-Based Batteries Working under Extreme Conditions (Adv. Energy Mater. 34/2021). <i>Advanced Energy Materials</i> , 2021 , 11, 2170134	21.8	1
194	Zinc/selenium conversion battery: a system highly compatible with both organic and aqueous electrolytes. <i>Energy and Environmental Science</i> , 2021 , 14, 2441-2450	35.4	35

193	Enhanced Redox Kinetics and Duration of Aqueous I ⁻ /I ⁰ Conversion Chemistry by MXene Confinement. <i>Advanced Materials</i> , 2021 , 33, e2006897	24	39
192	Pd doping-weakened intermediate adsorption to promote electrocatalytic nitrate reduction on TiO ₂ nanoarrays for ammonia production and energy supply with zinc/nitrate batteries. <i>Energy and Environmental Science</i> , 2021 , 14, 3938-3944	35.4	41
191	Human joint-inspired structural design for a bendable/foldable/stretchable/twistable battery: achieving multiple deformabilities. <i>Energy and Environmental Science</i> , 2021 , 14, 3599-3608	35.4	19
190	Lattice Matching and Halogen Regulation for Synergistically Induced Uniform Zinc Electrodeposition by Halogenated TiC MXenes.. <i>ACS Nano</i> , 2021 ,	16.7	15
189	Electrochemical Nitrate Production Nitrogen Oxidation with Atomically Dispersed Fe on N-Doped Carbon Nanosheets.. <i>ACS Nano</i> , 2021 ,	16.7	3
188	Flexible, Electrically Conductive, Nanostructured, Asymmetric Aerogel Films for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	1
187	Metal-Tellurium Batteries: A Rising Energy Storage System. <i>Small Structures</i> , 2020 , 1, 2000005	8.7	18
186	Stabilized Co ³⁺ /Co ⁴⁺ Redox Pair in In Situ Produced CoSe ₂ -Derived Cobalt Oxides for Alkaline Zn Batteries with 10 000-Cycle Lifespan and 1.9-V Voltage Plateau. <i>Advanced Energy Materials</i> , 2020 , 10, 2000892	21.8	66
185	Phosphorene as Cathode Material for High-Voltage, Anti-Self-Discharge Zinc Ion Hybrid Capacitors. <i>Advanced Energy Materials</i> , 2020 , 10, 2001024	21.8	96
184	Hydrogen-Substituted Graphdiyne Ion Tunnels Directing Concentration Redistribution for Commercial-Grade Dendrite-Free Zinc Anodes. <i>Advanced Materials</i> , 2020 , 32, e2001755	24	136
183	The rise of aqueous rechargeable batteries with organic electrode materials. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 15479-15512	13	48
182	Highly Efficient Electrochemical Reduction of Nitrogen to Ammonia on Surface Termination Modified TiC MXene Nanosheets. <i>ACS Nano</i> , 2020 , 14, 9089-9097	16.7	71
181	Integration designs toward new-generation wearable energy supply-sensor systems for real-time health monitoring: A minireview. <i>Information Materials</i> , 2020 , 2, 1109-1130	23.1	23
180	A Long-Life Battery-Type Electrochromic Window with Remarkable Energy Storage Ability. <i>Solar Rrl</i> , 2020 , 4, 2070036	7.1	0
179	Energy density issues of flexible energy storage devices. <i>Energy Storage Materials</i> , 2020 , 28, 264-292	19.4	61
178	Zwitterionic Sulfobetaine Hydrogel Electrolyte Building Separated Positive/Negative Ion Migration Channels for Aqueous Zn-MnO ₂ Batteries with Superior Rate Capabilities. <i>Advanced Energy Materials</i> , 2020 , 10, 2000035	21.8	123
177	Initiating a Reversible Aqueous Zn/Sulfur Battery through a "Liquid Film". <i>Advanced Materials</i> , 2020 , 32, e2003070	24	47
176	Boosting the Cycling Stability of Aqueous Flexible Zn Batteries via F Doping in Nickel-Cobalt Carbonate Hydroxide Cathode. <i>Small</i> , 2020 , 16, e2001935	11	30

175	Dendrites issues and advances in Zn anode for aqueous rechargeable Zn-based batteries. <i>EcoMat</i> , 2020 , 2, e12035	9.4	48
174	Initiating Hexagonal MoO ₃ for Superb-Stable and Fast NH ₃ Storage Based on Hydrogen Bond Chemistry. <i>Advanced Materials</i> , 2020 , 32, e1907802	24	83
173	Hydrogen-Free and Dendrite-Free All-Solid-State Zn-Ion Batteries. <i>Advanced Materials</i> , 2020 , 32, e1908124	12.1	186
172	Metal-Tuned Acetylene Linkages in Hydrogen Substituted Graphdiyne Boosting the Electrochemical Oxygen Reduction. <i>Small</i> , 2020 , 16, e1907341	11	26
171	A zinc battery with ultra-flat discharge plateau through phase transition mechanism. <i>Nano Energy</i> , 2020 , 71, 104583	17.1	43
170	Uniform Virus-Like Co ₂ Ni ₂ S ₄ Electrocatalyst Derived from Prussian Blue Analog for Stretchable Fiber-Shaped Zn/Air Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 1908945	15.6	40
169	RBC membrane camouflaged boron nitride nanospheres for enhanced biocompatible performance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 190, 110964	6	8
168	Commencing mild Ag/Zn batteries with long-term stability and ultra-flat voltage platform. <i>Energy Storage Materials</i> , 2020 , 25, 86-92	19.4	37
167	Phase Transition Induced Unusual Electrochemical Performance of VCT MXene for Aqueous Zinc Hybrid-Ion Battery. <i>ACS Nano</i> , 2020 , 14, 541-551	16.7	99
166	Voltage issue of aqueous rechargeable metal-ion batteries. <i>Chemical Society Reviews</i> , 2020 , 49, 180-232	58.5	301
165	A Long-Life Battery-Type Electrochromic Window with Remarkable Energy Storage Ability. <i>Solar Rrl</i> , 2020 , 4, 1900425	7.1	20
164	Suppressing surface passivation of bimetallic phosphide by sulfur for long-life alkaline aqueous zinc batteries. <i>Energy Storage Materials</i> , 2020 , 33, 230-238	19.4	19
163	Liquid-Free All-Solid-State Zinc Batteries and Encapsulation-Free Flexible Batteries Enabled by In Situ Constructed Polymer Electrolyte. <i>Angewandte Chemie</i> , 2020 , 132, 24044-24052	3.6	26
162	In Situ Electrochemical Synthesis of MXenes without Acid/Alkali Usage in/for an Aqueous Zinc Ion Battery. <i>Advanced Energy Materials</i> , 2020 , 10, 2001791	21.8	56
161	A rechargeable Al/N ₂ battery for energy storage and highly efficient N ₂ fixation. <i>Energy and Environmental Science</i> , 2020 , 13, 2888-2895	35.4	26
160	Vertically Aligned Sn ⁴⁺ Preintercalated Ti ₂ CTX MXene Sphere with Enhanced Zn Ion Transportation and Superior Cycle Lifespan. <i>Advanced Energy Materials</i> , 2020 , 10, 2001394	21.8	71
159	Initiating a wearable solid-state Mg hybrid ion full battery with high voltage, high capacity and ultra-long lifespan in air. <i>Energy Storage Materials</i> , 2020 , 31, 451-458	19.4	13
158	Dendrites in Zn-Based Batteries. <i>Advanced Materials</i> , 2020 , 32, e2001854	24	211

157	Liquid-Free All-Solid-State Zinc Batteries and Encapsulation-Free Flexible Batteries Enabled by In Situ Constructed Polymer Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23836-23844	16.4	40
156	Aqueous Zinc-Tellurium Batteries with Ultraflat Discharge Plateau and High Volumetric Capacity. <i>Advanced Materials</i> , 2020 , 32, e2001469	24	45
155	Polymers for supercapacitors: Boosting the development of the flexible and wearable energy storage. <i>Materials Science and Engineering Reports</i> , 2020 , 139, 100520	30.9	80
154	An Overview of Fiber-Shaped Batteries with a Focus on Multifunctionality, Scalability, and Technical Difficulties. <i>Advanced Materials</i> , 2020 , 32, e1902151	24	117
153	Recent advances in flexible aqueous zinc-based rechargeable batteries. <i>Nanoscale</i> , 2019 , 11, 17992-18008	7.7	54
152	In situ doping and synthesis of two-dimensional nanomaterials using mechano-chemistry. <i>Nanoscale Horizons</i> , 2019 , 4, 642-646	10.8	6
151	A soft yet device-level dynamically super-tough supercapacitor enabled by an energy-dissipative dual-crosslinked hydrogel electrolyte. <i>Nano Energy</i> , 2019 , 58, 732-742	17.1	123
150	A flexible rechargeable aqueous zinc manganese-dioxide battery working at 0 °C. <i>Energy and Environmental Science</i> , 2019 , 12, 706-715	35.4	333
149	Crystallized lithium titanate nanosheets prepared via spark plasma sintering for ultra-high rate lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 455-460	13	13
148	Advanced rechargeable zinc-based batteries: Recent progress and future perspectives. <i>Nano Energy</i> , 2019 , 62, 550-587	17.1	471
147	A Wholly Degradable, Rechargeable Zn-TiC MXene Capacitor with Superior Anti-Self-Discharge Function. <i>ACS Nano</i> , 2019 , 13, 8275-8283	16.7	145
146	Organic quinones towards advanced electrochemical energy storage: recent advances and challenges. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 23378-23415	13	133
145	Flexible quasi-solid-state zinc ion batteries enabled by highly conductive carrageenan bio-polymer electrolyte.. <i>RSC Advances</i> , 2019 , 9, 16313-16319	3.7	42
144	Recent Advances in Electrode Fabrication for Flexible Energy-Storage Devices. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900083	6.8	33
143	Inhibiting Grain Pulverization and Sulfur Dissolution of Bismuth Sulfide by Ionic Liquid Enhanced Poly(3,4-ethylenedioxythiophene):Poly(styrenesulfonate) for High-Performance Zinc-Ion Batteries. <i>ACS Nano</i> , 2019 , 13, 7270-7280	16.7	51
142	Activating C-Coordinated Iron of Iron Hexacyanoferrate for Zn Hybrid-Ion Batteries with 10 000-Cycle Lifespan and Superior Rate Capability. <i>Advanced Materials</i> , 2019 , 31, e1901521	24	173
141	Binder-free hierarchical VS ₂ electrodes for high-performance aqueous Zn ion batteries towards commercial level mass loading. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16330-16338	13	83
140	A Usage Scenario Independent Air Chargeable Flexible Zinc Ion Energy Storage Device. <i>Advanced Energy Materials</i> , 2019 , 9, 1900509	21.8	59

139	A mechanically durable and device-level tough Zn-MnO ₂ battery with high flexibility. <i>Energy Storage Materials</i> , 2019 , 23, 636-645	19.4	97
138	High-Energy and High-Power Nonaqueous Lithium-Ion Capacitors Based on Polypyrrole/Carbon Nanotube Composites as Pseudocapacitive Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15646-15655	9.5	30
137	Super-Stretchable Zinc-Air Batteries Based on an Alkaline-Tolerant Dual-Network Hydrogel Electrolyte. <i>Advanced Energy Materials</i> , 2019 , 9, 1803046	21.8	185
136	Evaluating Flexibility and Wearability of Flexible Energy Storage Devices. <i>Joule</i> , 2019 , 3, 613-619	27.8	171
135	Quasi-Isolated Au Particles as Heterogeneous Seeds To Guide Uniform Zn Deposition for Aqueous Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 6490-6496	6.1	117
134	A Superior MnO Cathode and a Self-Healing Zn-MnO Battery. <i>ACS Nano</i> , 2019 , 13, 10643-10652	16.7	278
133	Cl/SO-Codoped Poly(3,4-ethylenedioxythiophene) That Interpenetrates and Encapsulates Porous FeO To Form Composite Nanoframeworks for Stable Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30801-30809	9.5	10
132	A Highly Elastic and Reversibly Stretchable All-Polymer Supercapacitor. <i>Angewandte Chemie</i> , 2019 , 131, 15854-15858	3.6	21
131	A Highly Elastic and Reversibly Stretchable All-Polymer Supercapacitor. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15707-15711	16.4	122
130	Ni ₃ S ₂ /Ni nanosheet arrays for high-performance flexible zinc hybrid batteries with evident two-stage charge and discharge processes. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18915-18924	13	39
129	A Universal Principle to Design Reversible Aqueous Batteries Based on Deposition-Dissolution Mechanism. <i>Advanced Energy Materials</i> , 2019 , 9, 1901838	21.8	83
128	Toward Multifunctional and Wearable Smart Skins with Energy-Harvesting, Touch-Sensing, and Exteroception-Visualizing Capabilities by an All-Polymer Design. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900553	6.4	24
127	Achieving Both High Voltage and High Capacity in Aqueous Zinc-Ion Battery for Record High Energy Density. <i>Advanced Functional Materials</i> , 2019 , 29, 1906142	15.6	184
126	Do Zinc Dendrites Exist in Neutral Zinc Batteries: A Developed Electrohealing Strategy to In Situ Rescue In-Service Batteries. <i>Advanced Materials</i> , 2019 , 31, e1903778	24	285
125	Achieving High-Voltage and High-Capacity Aqueous Rechargeable Zinc Ion Battery by Incorporating Two-Species Redox Reaction. <i>Advanced Energy Materials</i> , 2019 , 9, 1902446	21.8	183
124	A Flexible Solid-State Aqueous Zinc Hybrid Battery with Flat and High-Voltage Discharge Plateau. <i>Advanced Energy Materials</i> , 2019 , 9, 1902473	21.8	79
123	Commencing an Acidic Battery Based on a Copper Anode with Ultrafast Proton-Regulated Kinetics and Superior Dendrite-Free Property. <i>Advanced Materials</i> , 2019 , 31, e1905873	24	46
122	A flexible solid-state zinc ion hybrid supercapacitor based on co-polymer derived hollow carbon spheres. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7784-7790	13	134

121	Hydrated hybrid vanadium oxide nanowires as the superior cathode for aqueous Zn battery. <i>Materials Today Energy</i> , 2019 , 14, 100361	7	48
120	Biomimetic organohydrogel electrolytes for high-environmental adaptive energy storage devices. <i>EcoMat</i> , 2019 , 1, e12008	9.4	55
119	Enabling highly efficient, flexible and rechargeable quasi-solid-state zn-air batteries via catalyst engineering and electrolyte functionalization. <i>Energy Storage Materials</i> , 2019 , 20, 234-242	19.4	71
118	Folate-conjugated, mesoporous silica functionalized boron nitride nanospheres for targeted delivery of doxorubicin. <i>Materials Science and Engineering C</i> , 2019 , 96, 552-560	8.3	21
117	Temperature-Dependent Lipid Extraction from Membranes by Boron Nitride Nanosheets. <i>ACS Nano</i> , 2018 , 12, 2764-2772	16.7	32
116	Toward Enhancing Wearability and Fashion of Wearable Supercapacitor with Modified Polyurethane Artificial Leather Electrolyte. <i>Nano-Micro Letters</i> , 2018 , 10, 38	19.5	33
115	Boron Element Nanowires Electrode for Supercapacitors. <i>Advanced Energy Materials</i> , 2018 , 8, 1703117	21.8	59
114	A flexible rechargeable zinc-ion wire-shaped battery with shape memory function. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8549-8557	13	103
113	A Building Brick Principle to Create Transparent Composite Films with Multicolor Emission and Self-Healing Function. <i>Small</i> , 2018 , 14, e1800315	11	15
112	Single-Site Active Iron-Based Bifunctional Oxygen Catalyst for a Compressible and Rechargeable Zinc-Air Battery. <i>ACS Nano</i> , 2018 , 12, 1949-1958	16.7	255
111	3D Graphene Fibers Grown by Thermal Chemical Vapor Deposition. <i>Advanced Materials</i> , 2018 , 30, e1705380	14	71
110	An extremely safe and wearable solid-state zinc ion battery based on a hierarchical structured polymer electrolyte. <i>Energy and Environmental Science</i> , 2018 , 11, 941-951	35.4	520
109	Highly anisotropic, multichannel wood carbon with optimized heteroatom doping for supercapacitor and oxygen reduction reaction. <i>Carbon</i> , 2018 , 130, 532-543	10.4	112
108	Electrospun Conjugated Polymer/Fullerene Hybrid Fibers: Photoactive Blends, Conductivity through Tunneling-AFM, Light Scattering, and Perspective for Their Use in Bulk-Heterojunction Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 3058-3067	3.8	13
107	Carbon-Supported Nickel Selenide Hollow Nanowires as Advanced Anode Materials for Sodium-Ion Batteries. <i>Small</i> , 2018 , 14, 1702669	11	64
106	Tunable Free-Standing Ultrathin Porous Nickel Film for High Performance Flexible Nickel/Metal Hydride Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1702467	21.8	24
105	Light-permeable, photoluminescent microbatteries embedded in the color filter of a screen. <i>Energy and Environmental Science</i> , 2018 , 11, 2414-2422	35.4	70
104	Hierarchically Bicontinuous Porous Copper as Advanced 3D Skeleton for Stable Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 13552-13561	9.5	71

103	Waterproof and Tailorable Elastic Rechargeable Yarn Zinc Ion Batteries by a Cross-Linked Polyacrylamide Electrolyte. <i>ACS Nano</i> , 2018 , 12, 3140-3148	16.7	305
102	Nanostructured Anode Materials for Non-aqueous Lithium Ion Hybrid Capacitors. <i>Energy and Environmental Materials</i> , 2018 , 1, 75-87	13	63
101	pH-responsive charge-reversal polymer-functionalized boron nitride nanospheres for intracellular doxorubicin delivery. <i>International Journal of Nanomedicine</i> , 2018 , 13, 641-652	7.3	32
100	Advances in Flexible and Wearable Energy-Storage Textiles. <i>Small Methods</i> , 2018 , 2, 1800124	12.8	87
99	Flexible Waterproof Rechargeable Hybrid Zinc Batteries Initiated by Multifunctional Oxygen Vacancies-Rich Cobalt Oxide. <i>ACS Nano</i> , 2018 , 12, 8597-8605	16.7	184
98	Flexible All-Solid-State Supercapacitors and Micro-Pattern Supercapacitors 2018 , 1-36		
97	Self-assembly in Fabrication of Semitransparent and MesoPlanar Hybrid Perovskite Photovoltaic Devices 2018 , 283-304		
96	Flexible Organic Solar Cells 2018 , 305-337		0
95	Flexible Quantum Dot Sensitized Solar Cells 2018 , 339-382		1
94	Flexible Triboelectric Nanogenerators 2018 , 383-423		1
93	Flexible Thermoelectric Materials and Devices 2018 , 425-457		1
92	Carbon-based Electrocatalysts for Water-splitting 2018 , 459-483		1
91	Fiber/Yarn-Based Flexible Supercapacitor 2018 , 37-65		
90	Flexible Lithium Ion Batteries 2018 , 67-96		
89	Flexible Sodium Ion Batteries: From Materials to Devices 2018 , 97-125		
88	1D and 2D Flexible Carbon Matrix Materials for LithiumSulfur Batteries 2018 , 127-153		1
87	Flexible Electrodes for LithiumSulfur Batteries 2018 , 155-181		2
86	Flexible LithiumAir Batteries 2018 , 183-213		

85	Nanodielectric Elastomers for Flexible Generators 2018 , 215-237		
84	Flexible Dye-Sensitized Solar Cells 2018 , 239-281		0
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