

Chunyi Zhi

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.

356
papers

33,654
citations

100
h-index

172
g-index

380
ext. papers

41,731
ext. citations

14
avg, IF

7.75
L-index

#	Paper	IF	Citations
356	Soft Shorts Hidden in Zinc Metal Anode Research. <i>Joule</i> , 2022 ,	27.8	31
355	In situ/operando analysis of surface reconstruction of transition metal-based oxygen evolution electrocatalysts. <i>Cell Reports Physical Science</i> , 2022 , 3, 100729	6.1	3
354	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
353	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
352	A Versatile Cation Additive Enabled Highly Reversible Zinc Metal Anode. <i>Advanced Energy Materials</i> , 2022 , 12, 2102780	21.8	14
351	Recent advances and future perspectives for aqueous zinc-ion capacitors 2022 , 1, 022101		2
350	Building durable aqueous K-ion capacitors based on MXene family 2022 , 2		23
349	Ether-Water Hybrid Electrolyte Contributing to Excellent Mg Ion Storage in Layered Sodium Vanadate.. <i>ACS Nano</i> , 2022 ,	16.7	3
348	Bifunctional separators design for safe lithium-ion batteries: Suppressed lithium dendrites and fire retardance. <i>Nano Energy</i> , 2022 , 97, 107204	17.1	5
347	Mechanistic Study of Interfacial Modification for Stable Zn Anode Based on a Thin Separator.. <i>Small</i> , 2022 , e2201045	11	3
346	Bis-ammonium salts with strong chemisorption to halide ions for fast and durable aqueous redox Zn ion batteries. <i>Nano Energy</i> , 2022 , 98, 107278	17.1	0
345	H-Inhibited Organic Anodes for Fast and Long-Life Aqueous Aluminum Ion Batteries with a 3.5-Month Calendar Life.. <i>Small</i> , 2022 , e2200463	11	1
344	Synergistic modulation of local environment for electrochemical nitrate reduction via asymmetric vacancies and adjacent ion clusters. <i>Nano Energy</i> , 2022 , 98, 107338	17.1	0
343	Reconstructing Vanadium Oxide with Anisotropic Pathways for a Durable and Fast Aqueous K-Ion Battery. <i>ACS Nano</i> , 2021 ,	16.7	5
342	Stabilizing Interface pH by N-Modified Graphdiyne for Dendrite-Free and High-Rate Aqueous Zn-ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	21
341	Recent Advances in Electrolytes for "Beyond Aqueous" Zinc-Ion Batteries. <i>Advanced Materials</i> , 2021 , e2106409	24	23
340	Categorizing wearable batteries: Unidirectional and omnidirectional deformable batteries. <i>Matter</i> , 2021 , 4, 3146-3160	12.7	11

339	Recently advances in flexible zinc ion batteries. <i>Journal of Semiconductors</i> , 2021 , 42, 101603	2.3	6
338	Conversion-Type Nonmetal Elemental Tellurium Anode with High Utilization for Mild/Alkaline Zinc Batteries. <i>Advanced Materials</i> , 2021 , e2105426	24	10
337	Intrinsic voltage plateau of a Nb ₂ CTx MXene cathode in an aqueous electrolyte induced by high-voltage scanning. <i>Joule</i> , 2021 ,	27.8	20
336	Vacancy Modulating Co Sn S Topological Semimetal for Aqueous Zinc-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 61, e202111826	16.4	5
335	Small-Dipole-Molecule-Containing Electrolytes for High-Voltage Aqueous Rechargeable Batteries. <i>Advanced Materials</i> , 2021 , e2106180	24	14
334	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
333	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
332	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
331	A Highly Stable and Durable Capacitive Strain Sensor Based on Dynamically Super-Tough Hydro/Organo-Gels. <i>Advanced Functional Materials</i> , 2021 , 31, 2010830	15.6	20
330	A universal method towards conductive textile for flexible batteries with superior softness. <i>Energy Storage Materials</i> , 2021 , 36, 272-278	19.4	9
329	Proton-assisted calcium-ion storage in aromatic organic molecular crystal with coplanar stacked structure. <i>Nature Communications</i> , 2021 , 12, 2400	17.4	32
328	A reversible Zn-metal battery. <i>Nature Nanotechnology</i> , 2021 , 16, 854-855	28.7	12
327	Strengthening absorption ability of Co ₉ S ₈ as efficient bifunctional oxygen catalyst by modulating the d band center using MoC. <i>Green Energy and Environment</i> , 2021 ,	5.7	3
326	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
325	Suppressing passivation layer of Al anode in aqueous electrolytes by complexation of H ₂ PO ₄ ³⁻ to Al ³⁺ and an electrochromic Al ion battery. <i>Energy Storage Materials</i> , 2021 , 39, 412-412	19.4	22
324	The energy storage mechanisms of MnO ₂ in batteries. <i>Current Opinion in Electrochemistry</i> , 2021 , 30, 100769	7.69	2
323	Manipulating anion intercalation enables a high-voltage aqueous dual ion battery. <i>Nature Communications</i> , 2021 , 12, 3106	17.4	25
322	A Self-Healing Crease-Free Supramolecular All-Polymer Supercapacitor. <i>Advanced Science</i> , 2021 , 8, 2100032	32	19

321	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
320	Energy-dissipative dual-crosslinked hydrogels for dynamically super-tough sensors. <i>Science China Materials</i> , 2021 , 64, 2764-2776	7.1	5
319	Cations Coordination-Regulated Reversibility Enhancement for Aqueous Zn-Ion Battery. <i>Advanced Functional Materials</i> , 2021 , 31, 2105736	15.6	19
318	Non-metallic charge carriers for aqueous batteries. <i>Nature Reviews Materials</i> , 2021 , 6, 109-123	73.3	85
317	Accommodating diverse ions in Prussian blue analogs frameworks for rechargeable batteries: The electrochemical redox reactions. <i>Nano Energy</i> , 2021 , 81, 105632	17.1	31
316	High-Energy Aqueous Magnesium Hybrid Full Batteries Enabled by Carrier-Hosting Potential Compensation. <i>Angewandte Chemie</i> , 2021 , 133, 5503-5512	3.6	5
315	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
314	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
313	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
312	Stretchable Energy Storage Devices: From Materials and Structural Design to Device Assembly. <i>Advanced Energy Materials</i> , 2021 , 11, 2003308	21.8	28
311	Zn electrode/electrolyte interfaces of Zn batteries: A mini review. <i>Electrochemistry Communications</i> , 2021 , 122, 106898	5.1	21
310	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
309	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
308	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
307	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
306	Confining Aqueous Zn-Br Halide Redox Chemistry by TiCT MXene. <i>ACS Nano</i> , 2021 , 15, 1718-1726	16.7	28
305	Halogenated TiC MXenes with Electrochemically Active Terminals for High-Performance Zinc Ion Batteries. <i>ACS Nano</i> , 2021 , 15, 1077-1085	16.7	50
304	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

303	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
302	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
301	Multi-Functional Hydrogels for Flexible Zinc-Based Batteries Working under Extreme Conditions. <i>Advanced Energy Materials</i> , 2021 , 11, 2101749	21.8	38
300	3D printing of reduced graphene oxide aerogels for energy storage devices: A paradigm from materials and technologies to applications. <i>Energy Storage Materials</i> , 2021 , 39, 146-165	19.4	22
299	Regulating nitrogenous adsorption and desorption on Pd clusters by the acetylene linkages of hydrogen substituted graphdiyne for efficient electrocatalytic ammonia synthesis. <i>Nano Energy</i> , 2021 , 86, 106099	17.1	10
298	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
297	Metal-Iodine and Metal-Bromine Batteries: A Review. <i>Bulletin of the Chemical Society of Japan</i> , 2021 , 94, 2036-2042	5.1	5
296	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
295	High-Rate Aqueous Aluminum-Ion Batteries Enabled by Confined Iodine Conversion Chemistry.. <i>Small Methods</i> , 2021 , 5, e2100611	12.8	2
294	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
293	Boron Nitride Nanosheet Dispersion at High Concentrations. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44751-44759	9.5	3
292	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
291	Adhesive and cohesive force matters in deformable batteries. <i>Npj Flexible Electronics</i> , 2021 , 5,	10.7	2
290	All-in-one and bipolar-membrane-free acid-alkaline hydrogel electrolytes for flexible high-voltage Zn-air batteries. <i>Chemical Engineering Journal</i> , 2021 , 430, 132718	14.7	8
289	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
288	Enhanced Redox Kinetics and Duration of Aqueous I/I Conversion Chemistry by MXene Confinement. <i>Advanced Materials</i> , 2021 , 33, e2006897	24	39
287	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
286	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

285	Lattice Matching and Halogen Regulation for Synergistically Induced Uniform Zinc Electrodeposition by Halogenated TiC MXenes.. <i>ACS Nano</i> , 2021 ,	16.7	15
284	Electrochemical Nitrate Production Nitrogen Oxidation with Atomically Dispersed Fe on N-Doped Carbon Nanosheets.. <i>ACS Nano</i> , 2021 ,	16.7	3
283	Metal-Tellurium Batteries: A Rising Energy Storage System. <i>Small Structures</i> , 2020 , 1, 2000005	8.7	18
282	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
281	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
280	Hydrogen-Substituted Graphdiyne Ion Tunnels Directing Concentration Redistribution for Commercial-Grade Dendrite-Free Zinc Anodes. <i>Advanced Materials</i> , 2020 , 32, e2001755	24	136
279	The rise of aqueous rechargeable batteries with organic electrode materials. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 15479-15512	13	48
278	Highly Efficient Electrochemical Reduction of Nitrogen to Ammonia on Surface Termination Modified TiCT MXene Nanosheets. <i>ACS Nano</i> , 2020 , 14, 9089-9097	16.7	71
277	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
276	Energy density issues of flexible energy storage devices. <i>Energy Storage Materials</i> , 2020 , 28, 264-292	19.4	61
275	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
274	Initiating a Reversible Aqueous Zn/Sulfur Battery through a "Liquid Film". <i>Advanced Materials</i> , 2020 , 32, e2003070	24	47
273	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
272	Dendrites issues and advances in Zn anode for aqueous rechargeable Zn-based batteries. <i>EcoMat</i> , 2020 , 2, e12035	9.4	48
271	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
270	Hydrogen-Free and Dendrite-Free All-Solid-State Zn-Ion Batteries. <i>Advanced Materials</i> , 2020 , 32, e1908121	24	186
269	Toward efficient and high rate sodium-ion storage: A new insight from dopant-defect interplay in textured carbon anode materials. <i>Energy Storage Materials</i> , 2020 , 28, 55-63	19.4	41
268	Metal-Tuned Acetylene Linkages in Hydrogen Substituted Graphdiyne Boosting the Electrochemical Oxygen Reduction. <i>Small</i> , 2020 , 16, e1907341	11	26

267	A zinc battery with ultra-flat discharge plateau through phase transition mechanism. <i>Nano Energy</i> , 2020 , 71, 104583	17.1	43
266	Uniform Virus-Like Co ₃ N ₄ s Electrocatalyst Derived from Prussian Blue Analog for Stretchable Fiber-Shaped Zn ²⁺ /Air Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 1908945	15.6	40
265	Latest advances in MXene biosensors. <i>JPhys Materials</i> , 2020 , 3, 031001	4.2	10
264	RBC membrane camouflaged boron nitride nanospheres for enhanced biocompatible performance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 190, 110964	6	8
263	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
262	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
261	Voltage issue of aqueous rechargeable metal-ion batteries. <i>Chemical Society Reviews</i> , 2020 , 49, 180-232	58.5	301
260	A Long-Life Battery-Type Electrochromic Window with Remarkable Energy Storage Ability. <i>Solar Rrl</i> , 2020 , 4, 1900425	7.1	20
259	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
258	Thermal conductivity of graphene-based polymer nanocomposites. <i>Materials Science and Engineering Reports</i> , 2020 , 142, 100577	30.9	77
257	Scalable synthesis of 2D hydrogen-substituted graphdiyne on Zn substrate for high-yield N ₂ fixation. <i>Nano Energy</i> , 2020 , 78, 105283	17.1	21
256	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
255	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
254	A rechargeable Al ³⁺ /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
253	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
252	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
251	Dendrites in Zn-Based Batteries. <i>Advanced Materials</i> , 2020 , 32, e2001854	24	211
250	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

249	Aqueous Zinc-Tellurium Batteries with Ultraflat Discharge Plateau and High Volumetric Capacity. <i>Advanced Materials</i> , 2020 , 32, e2001469	24	45
248	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
247	An Overview of Fiber-Shaped Batteries with a Focus on Multifunctionality, Scalability, and Technical Difficulties. <i>Advanced Materials</i> , 2020 , 32, e1902151	24	117
246	Aqueous Rechargeable Metal-Ion Batteries Working at Subzero Temperatures. <i>Advanced Science</i> , 2020 , 8, 2002590	13.6	45
245	Recent advances in flexible aqueous zinc-based rechargeable batteries. <i>Nanoscale</i> , 2019 , 11, 17992-18008	7.7	54
244	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
243	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
242	Advanced rechargeable zinc-based batteries: Recent progress and future perspectives. <i>Nano Energy</i> , 2019 , 62, 550-587	17.1	471
241	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
240	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
239	Recent Advances in Electrode Fabrication for Flexible Energy-Storage Devices. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900083	6.8	33
238	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
237	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
236	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
235	Boron ink assisted in situ boron nitride coatings for anti-oxidation and anti-corrosion applications. <i>Nanotechnology</i> , 2019 , 30, 335704	3.4	7
234	A Usage Scenario Independent Air Chargeable Flexible Zinc Ion Energy Storage Device. <i>Advanced Energy Materials</i> , 2019 , 9, 1900509	21.8	59
233	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
232	Nanotoxicity of Boron Nitride Nanosheet to Bacterial Membranes. <i>Langmuir</i> , 2019 , 35, 6179-6187	4	24

231	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
230	Evaluating Flexibility and Wearability of Flexible Energy Storage Devices. <i>Joule</i> , 2019 , 3, 613-619	27.8	171
229	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
228	A Superior MnO Cathode and a Self-Healing Zn-MnO Battery. <i>ACS Nano</i> , 2019 , 13, 10643-10652	16.7	278
227	A Highly Elastic and Reversibly Stretchable All-Polymer Supercapacitor. <i>Angewandte Chemie</i> , 2019 , 131, 15854-15858	3.6	21
226	A Highly Elastic and Reversibly Stretchable All-Polymer Supercapacitor. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15707-15711	16.4	122
225	Ni3S2/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
224	A Universal Principle to Design Reversible Aqueous Batteries Based on Deposition-Dissolution Mechanism. <i>Advanced Energy Materials</i> , 2019 , 9, 1901838	21.8	83
223	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
222	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
221	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
220	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
219	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
218	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
217	A high-performance flexible direct ethanol fuel cell with drop-and-play function. <i>Nano Energy</i> , 2019 , 65, 104052	17.1	18
216	Three-dimensional porous boron nitride foam for effective CO2 adsorption. <i>Solid State Communications</i> , 2019 , 294, 1-5	1.6	11
215	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
214	Hydrated hybrid vanadium oxide nanowires as the superior cathode for aqueous Zn battery. <i>Materials Today Energy</i> , 2019 , 14, 100361	7	48

213	Biomimetic organohydrogel electrolytes for high-environmental adaptive energy storage devices. <i>EcoMat</i> , 2019 , 1, e12008	9.4	55
212	Environmental Stability of MXenes as Energy Storage Materials. <i>Frontiers in Materials</i> , 2019 , 6,	4	35
211	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
210	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
209	MoS2 nanosheets with expanded interlayer spacing for rechargeable aqueous Zn-ion batteries. <i>Energy Storage Materials</i> , 2019 , 19, 94-101	19.4	227
208	Temperature-Dependent Lipid Extraction from Membranes by Boron Nitride Nanosheets. <i>ACS Nano</i> , 2018 , 12, 2764-2772	16.7	32
207	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
206	Boron Element Nanowires Electrode for Supercapacitors. <i>Advanced Energy Materials</i> , 2018 , 8, 1703117	21.8	59
205	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
204	A Building Brick Principle to Create Transparent Composite Films with Multicolor Emission and Self-Healing Function. <i>Small</i> , 2018 , 14, e1800315	11	15
203	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
202	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
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