Chun-Yi Zhi

List of Publications by Year in Descending Order

430 papers	37,717 citations	104 h-index	179 g-index
469 ext. papers	46,298 ext. citations	12.7 avg, IF	7.83 L-index

#	Paper	IF	Citations
430	Dielectric polymer based electrolytes for high-performance all-solid-state lithium metal batteries. *Journal of Energy Chemistry*, **2022**,	12	9
429	Soft Shorts Hidden in Zinc Metal Anode Research. *Joule*, **2022**,	27.8	31
428	In situ/operando analysis of surface reconstruction of transition metal-based oxygen evolution electrocatalysts. *Cell Reports Physical Science*, **2022**, 3, 100729	6.1	3
427	In-situ grown porous protective layers with high binding strength for stable Zn anodes. *Chemical Engineering Journal*, **2022**, 434, 134688	14.7	1
426	Few-layer bismuth selenide cathode for low-temperature quasi-solid-state aqueous zinc metal batteries.. *Nature Communications*, **2022**, 13, 752	17.4	2
425	A Versatile Cation Additive Enabled Highly Reversible Zinc Metal Anode. *Advanced Energy Materials*, **2022**, 12, 2102780	21.8	14
424	Recent advances and future perspectives for aqueous zinc-ion capacitors **2022**, 1, 022101		2
423	Building durable aqueous K-ion capacitors based on MXene family **2022**, 2		23
422	Ether-Water Hybrid Electrolyte Contributing to Excellent Mg Ion Storage in Layered Sodium Vanadate.. *ACS Nano*, **2022**,	16.7	3
421	Bifunctional separators design for safe lithium-ion batteries: Suppressed lithium dendrites and fire retardance. *Nano Energy*, **2022**, 97, 107204	17.1	5
420	Sulfonated Graphene Aerogels Enable Safe-to-Use Flexible Perovskite Solar Modules. *Advanced Energy Materials*, **2022**, 12, 2103236	21.8	17
419	Mechanistic Study of Interfacial Modification for Stable Zn Anode Based on a Thin Separator.. *Small*, **2022**, e2201045	11	3
418	Bis-ammonium salts with strong chemisorption to halide ions for fast and durable aqueous redox Zn ion batteries. *Nano Energy*, **2022**, 98, 107278	17.1	0
417	H -Inhibited Organic Anodes for Fast and Long-Life Aqueous Aluminum Ion Batteries with a 3.5-Month Calendar Life.. *Small*, **2022**, e2200463	11	1
416	Synergistic modulation of local environment for electrochemical nitrate reduction via asymmetric vacancies and adjacent ion clusters. *Nano Energy*, **2022**, 98, 107338	17.1	0
415	Conjugated cobalt polyphthalocyanine with defective extended structure for enhanced rechargeable li-oxygen batteries. *Chemical Engineering Journal*, **2022**, 444, 136544	14.7	0
414	Low Infrared Emissivity and Strong Stealth of Ti-Based MXenes. *Research*, **2022**, 2022, 1-7	7.8	1

413	Perspective on Micro-Supercapacitors.. *Frontiers in Chemistry*, **2021**, 9, 807500	5	0
412	Reconstructing Vanadium Oxide with Anisotropic Pathways for a Durable and Fast Aqueous K-Ion Battery. *ACS Nano*, **2021**,	16.7	5
411	Stabilizing Interface pH by N-Modified Graphdiyne for Dendrite-Free and High-Rate Aqueous Zn-ion Batteries. *Angewandte Chemie - International Edition*, **2021**,	16.4	21
410	Recent Advances in Electrolytes for "Beyond Aqueous" Zinc-Ion Batteries. *Advanced Materials*, **2021** , e2106409	24	23
409	Categorizing wearable batteries: Unidirectional and omnidirectional deformable batteries. *Matter*, **2021**, 4, 3146-3160	12.7	11
408	Recently advances in flexible zinc ion batteries. *Journal of Semiconductors*, **2021**, 42, 101603	2.3	6
407	Conversion-Type Nonmetal Elemental Tellurium Anode with High Utilization for Mild/Alkaline Zinc Batteries. *Advanced Materials*, **2021**, e2105426	24	10
406	Intrinsic voltage plateau of a Nb2CTx MXene cathode in an aqueous electrolyte induced by high-voltage scanning. *Joule*, **2021**,	27.8	20
405	Vacancy Modulating Co Sn S Topological Semimetal for Aqueous Zinc-Ion Batteries. *Angewandte Chemie - International Edition*, **2021**, 61, e202111826	16.4	5
404	Small-Dipole-Molecule-Containing Electrolytes for High-Voltage Aqueous Rechargeable Batteries. *Advanced Materials*, **2021**, e2106180	24	14
403	Low-Bandgap Organic Bulk-Heterojunction Enabled Efficient and Flexible Perovskite Solar Cells. *Advanced Materials*, **2021**, 33, e2105539	24	27
402	Stable bismuth-antimony alloy cathode with a conversion-dissolution/deposition mechanism for high-performance zinc batteries. *Materials Today*, **2021**, 51, 87-87	21.8	2
401	Rechargeable quasi-solid-state aqueous hybrid Al3+/H+ battery with 10,000 ultralong cycle stability and smart switching capability. *Nano Research*, **2021**, 14, 4154	10	2
400	Electrochemically induced NiCoSe2@NiOOH/CoOOH heterostructures as multifunctional cathode materials for flexible hybrid zn batteries. *Energy Storage Materials*, **2021**, 36, 427-434	19.4	27
399	A Highly Stable and Durable Capacitive Strain Sensor Based on Dynamically Super-Tough Hydro/Organo-Gels. *Advanced Functional Materials*, **2021**, 31, 2010830	15.6	20
398	A universal method towards conductive textile for flexible batteries with superior softness. *Energy Storage Materials*, **2021**, 36, 272-278	19.4	9
397	Proton-assisted calcium-ion storage in aromatic organic molecular crystal with coplanar stacked structure. *Nature Communications*, **2021**, 12, 2400	17.4	32
396	A reversible Zn-metal battery. *Nature Nanotechnology*, **2021**, 16, 854-855	28.7	12

395	Strengthening absorption ability of CoNi as efficient bifunctional oxygen catalyst by modulating the d band center using MoC. *Green Energy and Environment*, **2021**,	5.7	3
394	Carbonaceous and Polymer Materials for Li S Batteries with an Emphasis on Flexible Devices. *Advanced Energy and Sustainability Research*, **2021**, 2, 2000096	1.6	2
393	Suppressing passivation layer of Al anode in aqueous electrolytes by complexation of $H_2PO_4^-$ to Al3+ and an electrochromic Al ion battery. *Energy Storage Materials*, **2021**, 39, 412-412	19.4	22
392	The energy storage mechanisms of MnO2 in batteries. *Current Opinion in Electrochemistry*, **2021**, 30, 100769	7.2	2
391	Manipulating anion intercalation enables a high-voltage aqueous dual ion battery. *Nature Communications*, **2021**, 12, 3106	17.4	25
390	A Self-Healing Crease-Free Supramolecular All-Polymer Supercapacitor. *Advanced Science*, **2021**, 8, 2100172	15.1	19
389	A manganese hexacyanoferrate framework with enlarged ion tunnels and two-species redox reaction for aqueous Al-ion batteries. *Nano Energy*, **2021**, 84, 105945	17.1	20
388	Energy-dissipative dual-crosslinked hydrogels for dynamically super-tough sensors. *Science China Materials*, **2021**, 64, 2764-2776	7.1	5
387	Cations Coordination-Regulated Reversibility Enhancement for Aqueous Zn-Ion Battery. *Advanced Functional Materials*, **2021**, 31, 2105736	15.6	19
386	Non-metallic charge carriers for aqueous batteries. *Nature Reviews Materials*, **2021**, 6, 109-123	73.3	85
385	Accommodating diverse ions in Prussian blue analogs frameworks for rechargeable batteries: The electrochemical redox reactions. *Nano Energy*, **2021**, 81, 105632	17.1	31
384	High-Energy Aqueous Magnesium Hybrid Full Batteries Enabled by Carrier-Hosting Potential Compensation. *Angewandte Chemie*, **2021**, 133, 5503-5512	3.6	5
383	High-Energy Aqueous Magnesium Hybrid Full Batteries Enabled by Carrier-Hosting Potential Compensation. *Angewandte Chemie - International Edition*, **2021**, 60, 5443-5452	16.4	21
382	Electrocatalytic Iodine Reduction Reaction Enabled by Aqueous Zinc-Iodine Battery with Improved Power and Energy Densities. *Angewandte Chemie*, **2021**, 133, 3835-3842	3.6	14
381	Electrocatalytic Iodine Reduction Reaction Enabled by Aqueous Zinc-Iodine Battery with Improved Power and Energy Densities. *Angewandte Chemie - International Edition*, **2021**, 60, 3791-3798	16.4	26
380	Stretchable Energy Storage Devices: From Materials and Structural Design to Device Assembly. *Advanced Energy Materials*, **2021**, 11, 2003308	21.8	28
379	Zn electrode/electrolyte interfaces of Zn batteries: A mini review. *Electrochemistry Communications* , **2021**, 122, 106898	5.1	21
378	Effects of Anion Carriers on Capacitance and Self-Discharge Behaviors of Zinc Ion Capacitors. *Angewandte Chemie*, **2021**, 133, 1024-1034	3.6	11

377	Effects of Anion Carriers on Capacitance and Self-Discharge Behaviors of Zinc Ion Capacitors. *Angewandte Chemie - International Edition*, **2021**, 60, 1011-1021	16.4	70
376	Grafted MXene/polymer electrolyte for high performance solid zinc batteries with enhanced shelf life at low/high temperatures. *Energy and Environmental Science*, **2021**, 14, 3492-3501	35.4	44
375	Activating the I0/I+ redox couple in an aqueous I2–Zn battery to achieve a high voltage plateau. *Energy and Environmental Science*, **2021**, 14, 407-413	35.4	38
374	Confining Aqueous Zn-Br Halide Redox Chemistry by TiCT MXene. *ACS Nano*, **2021**, 15, 1718-1726	16.7	28
373	Halogenated TiC MXenes with Electrochemically Active Terminals for High-Performance Zinc Ion Batteries. *ACS Nano*, **2021**, 15, 1077-1085	16.7	50
372	Toward Practical High-Areal-Capacity Aqueous Zinc-Metal Batteries: Quantifying Hydrogen Evolution and a Solid-Ion Conductor for Stable Zinc Anodes. *Advanced Materials*, **2021**, 33, e2007406	24	133
371	Reversible Intercalation of Al-Ions in Poly(3,4-Ethylenedioxythiophene):Poly(4-Styrenesulfonate) Electrode for Aqueous Electrochemical Capacitors with High Energy Density. *Energy Technology*, **2021**, 9, 2001036	3.5	1
370	Initiating a Room-Temperature Rechargeable Aqueous Fluoride-Ion Battery with Long Lifespan through a Rational Buffering Phase Design. *Advanced Energy Materials*, **2021**, 11, 2003714	21.8	13
369	Calendar Life of Zn Batteries Based on Zn Anode with Zn Powder/Current Collector Structure. *Advanced Energy Materials*, **2021**, 11, 2003931	21.8	48
368	Multi-Functional Hydrogels for Flexible Zinc-Based Batteries Working under Extreme Conditions. *Advanced Energy Materials*, **2021**, 11, 2101749	21.8	38
367	3D printing of reduced graphene oxide aerogels for energy storage devices: A paradigm from materials and technologies to applications. *Energy Storage Materials*, **2021**, 39, 146-165	19.4	22
366	Regulating nitrogenous adsorption and desorption on Pd clusters by the acetylene linkages of hydrogen substituted graphdiyne for efficient electrocatalytic ammonia synthesis. *Nano Energy*, **2021**, 86, 106099	17.1	10
365	Molecular Crowding Effect in Aqueous Electrolytes to Suppress Hydrogen Reduction Reaction and Enhance Electrochemical Nitrogen Reduction. *Advanced Energy Materials*, **2021**, 11, 2101699	21.8	16
364	Metal-Iodine and Metal-Bromine Batteries: A Review. *Bulletin of the Chemical Society of Japan*, **2021**, 94, 2036-2042	5.1	5
363	Electrolyte/Structure-Dependent Cocktail Mediation Enabling High-Rate/Low-Plateau Metal Sulfide Anodes for Sodium Storage. *Nano-Micro Letters*, **2021**, 13, 178	19.5	2
362	High-Rate Aqueous Aluminum-Ion Batteries Enabled by Confined Iodine Conversion Chemistry.. *Small Methods*, **2021**, 5, e2100611	12.8	2
361	Toward a Practical Zn Powder Anode: TiCT MXene as a Lattice-Match Electrons/Ions Redistributor. *ACS Nano*, **2021**, 15, 14631-14642	16.7	26
360	Boron Nitride Nanosheet Dispersion at High Concentrations. *ACS Applied Materials & Interfaces*, **2021**, 13, 44751-44759	9.5	3

359	Battery-Sensor Hybrid: A New Gas Sensing Paradigm with Complete Energy Self-Sufficiency. *ACS Applied Materials & Interfaces*, **2021**, 13, 46507-46517	9.5	3
358	Adhesive and cohesive force matters in deformable batteries. *Npj Flexible Electronics*, **2021**, 5,	10.7	2
357	All-in-one and bipolar-membrane-free acid-alkaline hydrogel electrolytes for flexible high-voltage Zn-air batteries. *Chemical Engineering Journal*, **2021**, 430, 132718	14.7	8
356	Zinc/selenium conversion battery: a system highly compatible with both organic and aqueous electrolytes. *Energy and Environmental Science*, **2021**, 14, 2441-2450	35.4	35
355	Enhanced Redox Kinetics and Duration of Aqueous I /I Conversion Chemistry by MXene Confinement. *Advanced Materials*, **2021**, 33, e2006897	24	39
354	Pd doping-weakened intermediate adsorption to promote electrocatalytic nitrate reduction on TiO2 nanoarrays for ammonia production and energy supply with zinc□itrate batteries. *Energy and Environmental Science*, **2021**, 14, 3938-3944	35.4	41
353	Human joint-inspired structural design for a bendable/foldable/stretchable/twistable battery: achieving multiple deformabilities. *Energy and Environmental Science*, **2021**, 14, 3599-3608	35.4	19
352	Lattice Matching and Halogen Regulation for Synergistically Induced Uniform Zinc Electrodeposition by Halogenated TiC MXenes.. *ACS Nano*, **2021**,	16.7	15
351	Electrochemical Nitrate Production Nitrogen Oxidation with Atomically Dispersed Fe on N-Doped Carbon Nanosheets.. *ACS Nano*, **2021**,	16.7	3
350	Flexible, Electrically Conductive, Nanostructured, Asymmetric Aerogel Films for Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2021**,	9.5	1
349	Metal-Tellurium Batteries: A Rising Energy Storage System. *Small Structures*, **2020**, 1, 2000005	8.7	18
348	Stabilized Co3+/Co4+ Redox Pair in In Situ Produced CoSe2□-Derived Cobalt Oxides for Alkaline Zn Batteries with 10 000-Cycle Lifespan and 1.9-V Voltage Plateau. *Advanced Energy Materials*, **2020**, 10, 2000892	21.8	66
347	Phosphorene as Cathode Material for High-Voltage, Anti-Self-Discharge Zinc Ion Hybrid Capacitors. *Advanced Energy Materials*, **2020**, 10, 2001024	21.8	96
346	Hydrogen-Substituted Graphdiyne Ion Tunnels Directing Concentration Redistribution for Commercial-Grade Dendrite-Free Zinc Anodes. *Advanced Materials*, **2020**, 32, e2001755	24	136
345	Tetragonal VO2 hollow nanospheres as robust cathode material for aqueous zinc ion batteries. *Materials Today Energy*, **2020**, 17, 100431	7	41
344	The rise of aqueous rechargeable batteries with organic electrode materials. *Journal of Materials Chemistry A*, **2020**, 8, 15479-15512	13	48
343	Highly Efficient Electrochemical Reduction of Nitrogen to Ammonia on Surface Termination Modified TiCT MXene Nanosheets. *ACS Nano*, **2020**, 14, 9089-9097	16.7	71
342	Integration designs toward new-generation wearable energy supply-sensor systems for real-time health monitoring: A minireview. *Informa□□Materi□y*, **2020**, 2, 1109-1130	23.1	23

341	Energy density issues of flexible energy storage devices. *Energy Storage Materials*, **2020**, 28, 264-292	19.4	61
340	Zwitterionic Sulfobetaine Hydrogel Electrolyte Building Separated Positive/Negative Ion Migration Channels for Aqueous Zn-MnO2 Batteries with Superior Rate Capabilities. *Advanced Energy Materials*, **2020**, 10, 2000035	21.8	123
339	Initiating a Reversible Aqueous Zn/Sulfur Battery through a "Liquid Film". *Advanced Materials*, **2020**, 32, e2003070	24	47
338	Boosting the Cycling Stability of Aqueous Flexible Zn Batteries via F Doping in Nickel-Cobalt Carbonate Hydroxide Cathode. *Small*, **2020**, 16, e2001935	11	30
337	Dendrites issues and advances in Zn anode for aqueous rechargeable Zn-based batteries. *EcoMat*, **2020**, 2, e12035	9.4	48
336	Initiating Hexagonal MoO for Superb-Stable and Fast NH Storage Based on Hydrogen Bond Chemistry. *Advanced Materials*, **2020**, 32, e1907802	24	83
335	Hydrogen-Free and Dendrite-Free All-Solid-State Zn-Ion Batteries. *Advanced Materials*, **2020**, 32, e1908121	24	186
334	Toward efficient and high rate sodium-ion storage: A new insight from dopant-defect interplay in textured carbon anode materials. *Energy Storage Materials*, **2020**, 28, 55-63	19.4	41
333	Metal-Tuned Acetylene Linkages in Hydrogen Substituted Graphdiyne Boosting the Electrochemical Oxygen Reduction. *Small*, **2020**, 16, e1907341	11	26
332	A zinc battery with ultra-flat discharge plateau through phase transition mechanism. *Nano Energy*, **2020**, 71, 104583	17.1	43
331	Uniform Virus-Like Co□C□s Electrocatalyst Derived from Prussian Blue Analog for Stretchable Fiber-Shaped Zn□Air Batteries. *Advanced Functional Materials*, **2020**, 30, 1908945	15.6	40
330	Latest advances in MXene biosensors. *JPhys Materials*, **2020**, 3, 031001	4.2	10
329	RBC membrane camouflaged boron nitride nanospheres for enhanced biocompatible performance. *Colloids and Surfaces B: Biointerfaces*, **2020**, 190, 110964	6	8
328	Commencing mild Ag□n batteries with long-term stability and ultra-flat voltage platform. *Energy Storage Materials*, **2020**, 25, 86-92	19.4	37
327	Phase Transition Induced Unusual Electrochemical Performance of VCT MXene for Aqueous Zinc Hybrid-Ion Battery. *ACS Nano*, **2020**, 14, 541-551	16.7	99
326	Voltage issue of aqueous rechargeable metal-ion batteries. *Chemical Society Reviews*, **2020**, 49, 180-232	58.5	301
325	A Long-Life Battery-Type Electrochromic Window with Remarkable Energy Storage Ability. *Solar Rrl* , **2020**, 4, 1900425	7.1	20
324	Suppressing surface passivation of bimetallic phosphide by sulfur for long-life alkaline aqueous zinc batteries. *Energy Storage Materials*, **2020**, 33, 230-238	19.4	19

323	Thermal conductivity of graphene-based polymer nanocomposites. *Materials Science and Engineering Reports*, **2020**, 142, 100577	30.9	77
322	Scalable synthesis of 2D hydrogen-substituted graphdiyne on Zn substrate for high-yield N2 fixation. *Nano Energy*, **2020**, 78, 105283	17.1	21
321	Liquid-Free All-Solid-State Zinc Batteries and Encapsulation-Free Flexible Batteries Enabled by In Situ Constructed Polymer Electrolyte. *Angewandte Chemie*, **2020**, 132, 24044-24052	3.6	26
320	In Situ Electrochemical Synthesis of MXenes without Acid/Alkali Usage in/for an Aqueous Zinc Ion Battery. *Advanced Energy Materials*, **2020**, 10, 2001791	21.8	56
319	A rechargeable AlN2 battery for energy storage and highly efficient N2 fixation. *Energy and Environmental Science*, **2020**, 13, 2888-2895	35.4	26
318	Vertically Aligned Sn4+ Preintercalated Ti2CTX MXene Sphere with Enhanced Zn Ion Transportation and Superior Cycle Lifespan. *Advanced Energy Materials*, **2020**, 10, 2001394	21.8	71
317	Initiating a wearable solid-state Mg hybrid ion full battery with high voltage, high capacity and ultra-long lifespan in air. *Energy Storage Materials*, **2020**, 31, 451-458	19.4	13
316	Dendrites in Zn-Based Batteries. *Advanced Materials*, **2020**, 32, e2001854	24	211
315	Liquid-Free All-Solid-State Zinc Batteries and Encapsulation-Free Flexible Batteries Enabled by In Situ Constructed Polymer Electrolyte. *Angewandte Chemie - International Edition*, **2020**, 59, 23836-23844	16.4	40
314	Aqueous Zinc-Tellurium Batteries with Ultraflat Discharge Plateau and High Volumetric Capacity. *Advanced Materials*, **2020**, 32, e2001469	24	45
313	Polymers for supercapacitors: Boosting the development of the flexible and wearable energy storage. *Materials Science and Engineering Reports*, **2020**, 139, 100520	30.9	80
312	An Overview of Fiber-Shaped Batteries with a Focus on Multifunctionality, Scalability, and Technical Difficulties. *Advanced Materials*, **2020**, 32, e1902151	24	117
311	Aqueous Rechargeable Metal-Ion Batteries Working at Subzero Temperatures. *Advanced Science*, **2020**, 8, 2002590	13.6	45
310	Recent advances in flexible aqueous zinc-based rechargeable batteries. *Nanoscale*, **2019**, 11, 17992-18008	7.7	54
309	In situ doping and synthesis of two-dimensional nanomaterials using mechano-chemistry. *Nanoscale Horizons*, **2019**, 4, 642-646	10.8	6
308	A soft yet device-level dynamically super-tough supercapacitor enabled by an energy-dissipative dual-crosslinked hydrogel electrolyte. *Nano Energy*, **2019**, 58, 732-742	17.1	123
307	A flexible rechargeable aqueous zinc manganese-dioxide battery working at −20 °C. *Energy and Environmental Science*, **2019**, 12, 706-715	35.4	333
306	Advanced rechargeable zinc-based batteries: Recent progress and future perspectives. *Nano Energy* , **2019**, 62, 550-587	17.1	471

305	A Wholly Degradable, Rechargeable Zn-TiC MXene Capacitor with Superior Anti-Self-Discharge Function. *ACS Nano*, **2019**, 13, 8275-8283	16.7	145
304	Flexible quasi-solid-state zinc ion batteries enabled by highly conductive carrageenan bio-polymer electrolyte.. *RSC Advances*, **2019**, 9, 16313-16319	3.7	42
303	Recent Advances in Electrode Fabrication for Flexible Energy-Storage Devices. *Advanced Materials Technologies*, **2019**, 4, 1900083	6.8	33
302	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. *ACS Nano*, **2019**, 13, 7270-7280	16.7	51
301	Activating C-Coordinated Iron of Iron Hexacyanoferrate for Zn Hybrid-Ion Batteries with 10 000-Cycle Lifespan and Superior Rate Capability. *Advanced Materials*, **2019**, 31, e1901521	24	173
300	Binder-free hierarchical VS2 electrodes for high-performance aqueous Zn ion batteries towards commercial level mass loading. *Journal of Materials Chemistry A*, **2019**, 7, 16330-16338	13	83
299	Boron ink assisted in situ boron nitride coatings for anti-oxidation and anti-corrosion applications. *Nanotechnology*, **2019**, 30, 335704	3.4	7
298	A Usage Scenario Independent Air Chargeable Flexible Zinc Ion Energy Storage Device. *Advanced Energy Materials*, **2019**, 9, 1900509	21.8	59
297	A mechanically durable and device-level tough Zn-MnO2 battery with high flexibility. *Energy Storage Materials*, **2019**, 23, 636-645	19.4	97
296	Nanotoxicity of Boron Nitride Nanosheet to Bacterial Membranes. *Langmuir*, **2019**, 35, 6179-6187	4	24
295	Super-Stretchable Zinc Air Batteries Based on an Alkaline-Tolerant Dual-Network Hydrogel Electrolyte. *Advanced Energy Materials*, **2019**, 9, 1803046	21.8	185
294	Evaluating Flexibility and Wearability of Flexible Energy Storage Devices. *Joule*, **2019**, 3, 613-619	27.8	171
293	Quasi-Isolated Au Particles as Heterogeneous Seeds To Guide Uniform Zn Deposition for Aqueous Zinc-Ion Batteries. *ACS Applied Energy Materials*, **2019**, 2, 6490-6496	6.1	117
292	A Superior MnO Cathode and a Self-Healing Zn-MnO Battery. *ACS Nano*, **2019**, 13, 10643-10652	16.7	278
291	Cl/SO-Codoped Poly(3,4-ethylenedioxythiophene) That Interpenetrates and Encapsulates Porous FeO To Form Composite Nanoframeworks for Stable Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 30801-30809	9.5	10
290	A Highly Elastic and Reversibly Stretchable All-Polymer Supercapacitor. *Angewandte Chemie*, **2019**, 131, 15854-15858	3.6	21
289	A Highly Elastic and Reversibly Stretchable All-Polymer Supercapacitor. *Angewandte Chemie - International Edition*, **2019**, 58, 15707-15711	16.4	122
288	Ni3S2/Ni nanosheet arrays for high-performance flexible zinc hybrid batteries with evident two-stage charge and discharge processes. *Journal of Materials Chemistry A*, **2019**, 7, 18915-18924	13	39

287	A Universal Principle to Design Reversible Aqueous Batteries Based on Deposition Dissolution Mechanism. *Advanced Energy Materials*, **2019**, 9, 1901838	21.8	83
286	Toward Multifunctional and Wearable Smart Skins with Energy-Harvesting, Touch-Sensing, and Exteroception-Visualizing Capabilities by an All-Polymer Design. *Advanced Electronic Materials*, **2019**, 5, 1900553	6.4	24
285	Achieving Both High Voltage and High Capacity in Aqueous Zinc-Ion Battery for Record High Energy Density. *Advanced Functional Materials*, **2019**, 29, 1906142	15.6	184
284	Do Zinc Dendrites Exist in Neutral Zinc Batteries: A Developed Electrohealing Strategy to In Situ Rescue In-Service Batteries. *Advanced Materials*, **2019**, 31, e1903778	24	285
283	Achieving High-Voltage and High-Capacity Aqueous Rechargeable Zinc Ion Battery by Incorporating Two-Species Redox Reaction. *Advanced Energy Materials*, **2019**, 9, 1902446	21.8	183
282	A Flexible Solid-State Aqueous Zinc Hybrid Battery with Flat and High-Voltage Discharge Plateau. *Advanced Energy Materials*, **2019**, 9, 1902473	21.8	79
281	Commencing an Acidic Battery Based on a Copper Anode with Ultrafast Proton-Regulated Kinetics and Superior Dendrite-Free Property. *Advanced Materials*, **2019**, 31, e1905873	24	46
280	A high-performance flexible direct ethanol fuel cell with drop-and-play function. *Nano Energy*, **2019**, 65, 104052	17.1	18
279	Fe,N Doped 2D Porous Carbon Bifunctional Catalyst for Zinc-air Battery. *Wuji Cailiao Xuebao/Journal of Inorganic Materials*, **2019**, 34, 103	1	5
278	Three-dimensional porous boron nitride foam for effective CO2 adsorption. *Solid State Communications*, **2019**, 294, 1-5	1.6	11
277	A flexible solid-state zinc ion hybrid supercapacitor based on co-polymer derived hollow carbon spheres. *Journal of Materials Chemistry A*, **2019**, 7, 7784-7790	13	134
276	Hydrated hybrid vanadium oxide nanowires as the superior cathode for aqueous Zn battery. *Materials Today Energy*, **2019**, 14, 100361	7	48
275	Biomimetic organohydrogel electrolytes for high-environmental adaptive energy storage devices. *EcoMat*, **2019**, 1, e12008	9.4	55
274	Environmental Stability of MXenes as Energy Storage Materials. *Frontiers in Materials*, **2019**, 6,	4	35
273	Enabling highly efficient, flexible and rechargeable quasi-solid-state zn-air batteries via catalyst engineering and electrolyte functionalization. *Energy Storage Materials*, **2019**, 20, 234-242	19.4	71
272	Folate-conjugated, mesoporous silica functionalized boron nitride nanospheres for targeted delivery of doxorubicin. *Materials Science and Engineering C*, **2019**, 96, 552-560	8.3	21
271	MoS2 nanosheets with expanded interlayer spacing for rechargeable aqueous Zn-ion batteries. *Energy Storage Materials*, **2019**, 19, 94-101	19.4	227
270	Temperature-Dependent Lipid Extraction from Membranes by Boron Nitride Nanosheets. *ACS Nano*, **2018**, 12, 2764-2772	16.7	32

269	Toward Enhancing Wearability and Fashion of Wearable Supercapacitor with Modified Polyurethane Artificial Leather Electrolyte. *Nano-Micro Letters*, **2018**, 10, 38	19.5	33
268	Boron Element Nanowires Electrode for Supercapacitors. *Advanced Energy Materials*, **2018**, 8, 1703117	21.8	59
267	A flexible rechargeable zinc-ion wire-shaped battery with shape memory function. *Journal of Materials Chemistry A*, **2018**, 6, 8549-8557	13	103
266	A Building Brick Principle to Create Transparent Composite Films with Multicolor Emission and Self-Healing Function. *Small*, **2018**, 14, e1800315	11	15
265	Single-Site Active Iron-Based Bifunctional Oxygen Catalyst for a Compressible and Rechargeable Zinc-Air Battery. *ACS Nano*, **2018**, 12, 1949-1958	16.7	255
264	3D Graphene Fibers Grown by Thermal Chemical Vapor Deposition. *Advanced Materials*, **2018**, 30, e1705380	21	71
263	An extremely safe and wearable solid-state zinc ion battery based on a hierarchical structured polymer electrolyte. *Energy and Environmental Science*, **2018**, 11, 941-951	35.4	520
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