Chun-Yi Zhi

List of Publications by Year
in descending order

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452	55,916	587 125	1589 216
papers	citations	h-index	g-index

469	469	469	33603
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Boron Nitride Nanotubes and Nanosheets. ACS Nano, 2010, 4, 2979-2993.	7.3	1,981
2	Largeâ€Scale Fabrication of Boron Nitride Nanosheets and Their Utilization in Polymeric Composites with Improved Thermal and Mechanical Properties. Advanced Materials, 2009, 21, 2889-2893.	11.1	1,496
3	Boron Nitride Nanotubes. Advanced Materials, 2007, 19, 2413-2432.	11.1	886
4	Nanoporous CaCO₃ Coatings Enabled Uniform Zn Stripping/Plating for Longâ€Life Zinc Rechargeable Aqueous Batteries. Advanced Energy Materials, 2018, 8, 1801090.	10.2	869
5	Advanced rechargeable zinc-based batteries: Recent progress and future perspectives. Nano Energy, 2019, 62, 550-587.	8.2	817
6	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.	15.6	731
7	â€œWhite Grapheneâ€: Boron Nitride Nanoribbons via Boron Nitride Nanotube Unwrapping. Nano Letters, 2010, 10, 5049-5055.	4.5	723
8	Photoluminescent Ti₃C₂ MXene Quantum Dots for Multicolor Cellular Imaging. Advanced Materials, 2017, 29, 1604847.	11.1	692
9	A self-healable and highly stretchable supercapacitor based on a dual crosslinked polyelectrolyte. Nature Communications, 2015, 6, 10310.	5.8	634
10	Nanostructured Polypyrrole as a flexible electrode material of supercapacitor. Nano Energy, 2016, 22, 422-438.	8.2	629
11	Three-dimensional strutted graphene grown by substrate-free sugar blowing for high-power-density supercapacitors. Nature Communications, 2013, 4, 2905.	5.8	606
12	Dendrites in Znâ€Based Batteries. Advanced Materials, 2020, 32, e2001854.	11.1	601
13	Highly Flexible, Freestanding Supercapacitor Electrode with Enhanced Performance Obtained by Hybridizing Polypyrrole Chains with MXene. Advanced Energy Materials, 2016, 6, 1600969.	10.2	580
14	Singleâ€Crystalline ZnS Nanobelts as Ultravioletâ€Light Sensors. Advanced Materials, 2009, 21, 2034-2039.	11.1	537
15	A Superior Î´-MnO₂ Cathode and a Self-Healing Zn-Î´-MnO₂ Battery. ACS Nano, 2019, 13, 10643-10652.	7.3	535
16	Polyhedral Oligosilsesquioxaneâ€Modified Boron Nitride Nanotube Based Epoxy Nanocomposites: An Ideal Dielectric Material with High Thermal Conductivity. Advanced Functional Materials, 2013, 23, 1824-1831.	7.8	529
17	Voltage issue of aqueous rechargeable metal-ion batteries. Chemical Society Reviews, 2020, 49, 180-232.	18.7	522
18	A flexible rechargeable aqueous zinc manganese-dioxide battery working at â^'20 Â°C. Energy and Environmental Science, 2019, 12, 706-715.	15.6	511

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19	Fabrication and microwave absorption of carbon nanotubesâˆ•CoFe2O4 spinel nanocomposite. Applied Physics Letters, 2006, 88, 033105.	1.5	499
20	Do Zinc Dendrites Exist in Neutral Zinc Batteries: A Developed Electrohealing Strategy to In Situ Rescue Inâ€Service Batteries. Advanced Materials, 2019, 31, e1903778.	11.1	494
21	Ultrathin MXeneâ€Micropatternâ€Based Fieldâ€Effect Transistor for Probing Neural Activity. Advanced Materials, 2016, 28, 3333-3339.	11.1	474
22	An Intrinsically Stretchable and Compressible Supercapacitor Containing a Polyacrylamide Hydrogel Electrolyte. Angewandte Chemie - International Edition, 2017, 56, 9141-9145.	7.2	458
23	Towards Thermoconductive, Electrically Insulating Polymeric Composites with Boron Nitride Nanotubes as Fillers. Advanced Functional Materials, 2009, 19, 1857-1862.	7.8	457
24	Texturing in situ: N,S-enriched hierarchically porous carbon as a highly active reversible oxygen electrocatalyst. Energy and Environmental Science, 2017, 10, 742-749.	15.6	451
25	Waterproof and Tailorable Elastic Rechargeable Yarn Zinc Ion Batteries by a Cross-Linked Polyacrylamide Electrolyte. ACS Nano, 2018, 12, 3140-3148.	7.3	439
26	Hydrogel Electrolytes for Flexible Aqueous Energy Storage Devices. Advanced Functional Materials, 2018, 28, 1804560.	7.8	433
27	MXene chemistry, electrochemistry and energy storage applications. Nature Reviews Chemistry, 2022, 6, 389-404.	13.8	429
28	Multifunctional Energy Storage and Conversion Devices. Advanced Materials, 2016, 28, 8344-8364.	11.1	420
29	Initiating a mild aqueous electrolyte Co₃O₄/Zn battery with 2.2 V-high voltage and 5000-cycle lifespan by a Co(<scp>iii</scp>) rich-electrode. Energy and Environmental Science, 2018, 11, 2521-2530.	15.6	414
30	From Industrially Weavable and Knittable Highly Conductive Yarns to Large Wearable Energy Storage Textiles. ACS Nano, 2015, 9, 4766-4775.	7.3	411
31	Boron nitride nanotubes. Materials Science and Engineering Reports, 2010, 70, 92-111.	14.8	400
32	Toward Practical Highâ€Arealâ€Capacity Aqueous Zincâ€Metal Batteries: Quantifying Hydrogen Evolution and a Solidâ€Ion Conductor for Stable Zinc Anodes. Advanced Materials, 2021, 33, e2007406.	11.1	382
33	Hydrogenâ€Free and Dendriteâ€Free Allâ€Solidâ€State Znâ€Ion Batteries. Advanced Materials, 2020, 32, e1908121	11.1	381
34	Synthesis and Electrochemical Properties of Two-Dimensional Hafnium Carbide. ACS Nano, 2017, 11, 3841-3850.	7.3	370
35	Recent Progress on Flexible and Wearable Supercapacitors. Small, 2017, 13, 1701827.	5.2	365
36	Activating Câ€Coordinated Iron of Iron Hexacyanoferrate for Zn Hybridâ€Ion Batteries with 10 000â€Cycle Lifespan and Superior Rate Capability. Advanced Materials, 2019, 31, e1901521.	11.1	363

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37	Low-dimensional boron nitride nanomaterials. Materials Today, 2012, 15, 256-265.	8.3	343
38	Achieving Highâ€Voltage and Highâ€Capacity Aqueous Rechargeable Zinc Ion Battery by Incorporating Twoâ€Species Redox Reaction. Advanced Energy Materials, 2019, 9, 1902446.	10.2	341
39	Single-Site Active Iron-Based Bifunctional Oxygen Catalyst for a Compressible and Rechargeable Zincâ€“Air Battery. ACS Nano, 2018, 12, 1949-1958.	7.3	336
40	Weavable, Conductive Yarn-Based NiCo//Zn Textile Battery with High Energy Density and Rate Capability. ACS Nano, 2017, 11, 8953-8961.	7.3	310
41	High-performance stretchable yarn supercapacitor based on PPy@CNTs@urethane elastic fiber core spun yarn. Nano Energy, 2016, 27, 230-237.	8.2	297
42	Magnetic-Assisted, Self-Healable, Yarn-Based Supercapacitor. ACS Nano, 2015, 9, 6242-6251.	7.3	291
43	Superâ€Stretchable Zincâ€“Air Batteries Based on an Alkalineâ€Tolerant Dualâ€Network Hydrogel Electrolyte. Advanced Energy Materials, 2019, 9, 1803046.	10.2	287
44	Zwitterionic Sulfobetaine Hydrogel Electrolyte Building Separated Positive/Negative Ion Migration Channels for Aqueous Znâ€MnO₂ Batteries with Superior Rate Capabilities. Advanced Energy Materials, 2020, 10, 2000035.	10.2	287
45	Achieving Both High Voltage and High Capacity in Aqueous Zincâ€Ion Battery for Record High Energy Density. Advanced Functional Materials, 2019, 29, 1906142.	7.8	285
46	Recent progresses in high-energy-density all pseudocapacitive-electrode-materials-based asymmetric supercapacitors. Journal of Materials Chemistry A, 2017, 5, 9443-9464.	5.2	278
47	Boron Nitride Porous Microbelts for Hydrogen Storage. ACS Nano, 2013, 7, 1558-1565.	7.3	277
48	Effective precursor for high yield synthesis of pure BN nanotubes. Solid State Communications, 2005, 135, 67-70.	0.9	275
49	Boron Nitride Nanosheet Coatings with Controllable Water Repellency. ACS Nano, 2011, 5, 6507-6515.	7.3	275
50	Evaluating Flexibility and Wearability of Flexible Energy Storage Devices. Joule, 2019, 3, 613-619.	11.7	273
51	Hydrogenâ€Substituted Graphdiyne Ion Tunnels Directing Concentration Redistribution for Commercialâ€Grade Dendriteâ€Free Zinc Anodes. Advanced Materials, 2020, 32, e2001755.	11.1	261
52	Flexible Waterproof Rechargeable Hybrid Zinc Batteries Initiated by Multifunctional Oxygen Vacancies-Rich Cobalt Oxide. ACS Nano, 2018, 12, 8597-8605.	7.3	257
53	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.	5.2	254
54	Solidâ€State Rechargeable Zn//NiCo and Znâ€“Air Batteries with Ultralong Lifetime and High Capacity: The Role of a Sodium Polyacrylate Hydrogel Electrolyte. Advanced Energy Materials, 2018, 8, 1802288.	10.2	253

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55	Polyurethane/Cotton/Carbon Nanotubes Core-Spun Yarn as High Reliability Stretchable Strain Sensor for Human Motion Detection. ACS Applied Materials & Interfaces, 2016, 8, 24837-24843.	4.0	251
56	Non-metallic charge carriers for aqueous batteries. Nature Reviews Materials, 2021, 6, 109-123.	23.3	250
57	Transcriptome analysis and molecular signature of human retinal pigment epithelium. Human Molecular Genetics, 2010, 19, 2468-2486.	1.4	249
58	Perfectly Dissolved Boron Nitride Nanotubes Due to Polymer Wrapping. Journal of the American Chemical Society, 2005, 127, 15996-15997.	6.6	248
59	Super-high rate stretchable polypyrrole-based supercapacitors with excellent cycling stability. Nano Energy, 2015, 11, 518-525.	8.2	248
60	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.	2.5	247
61	Ultrafine ZnS Nanobelts as Field Emitters. Advanced Materials, 2007, 19, 2593-2596.	11.1	236
62	Porous Fe3O4/carbon composite electrode material prepared from metal-organic framework template and effect of temperature on its capacitance. Nano Energy, 2014, 8, 133-140.	8.2	232
63	Towards wearable electronic devices: A quasi-solid-state aqueous lithium-ion battery with outstanding stability, flexibility, safety and breathability. Nano Energy, 2018, 44, 164-173.	8.2	228
64	Boron nitride nanotubes: functionalization and composites. Journal of Materials Chemistry, 2008, 18, 3900.	6.7	226
65	Mn₃O₄nanoparticles on layer-structured Ti₃C₂MXene towards the oxygen reduction reaction and zincâ€“air batteries. Journal of Materials Chemistry A, 2017, 5, 20818-20823.	5.2	226
66	A Wholly Degradable, Rechargeable Znâ€“Ti₃C₂ MXene Capacitor with Superior Anti-Self-Discharge Function. ACS Nano, 2019, 13, 8275-8283.	7.3	224
67	ZnO Hollow Spheres with Doubleâ€Yolk Egg Structure for Highâ€Performance Photocatalysts and Photodetectors. Advanced Materials, 2012, 24, 3421-3425.	11.1	223
68	â€œChemical Blowingâ€•of Thinâ€Walled Bubbles: Highâ€Throughput Fabrication of Largeâ€Area, Fewâ€Layered BN and C_xâ€BN Nanosheets. Advanced Materials, 2011, 23, 4072-4076.	11.1	217
69	Insight on Organic Molecules in Aqueous Znâ€Ion Batteries with an Emphasis on the Zn Anode Regulation. Advanced Energy Materials, 2022, 12, .	10.2	208
70	An Overview of Fiberâ€Shaped Batteries with a Focus on Multifunctionality, Scalability, and Technical Difficulties. Advanced Materials, 2020, 32, e1902151.	11.1	207
71	Enhanced field emission from carbon nanotubes by hydrogen plasma treatment. Applied Physics Letters, 2002, 81, 1690-1692.	1.5	206
72	Pd doping-weakened intermediate adsorption to promote electrocatalytic nitrate reduction on TiO₂ nanoarrays for ammonia production and energy supply with zincâ€“nitrate batteries. Energy and Environmental Science, 2021, 14, 3938-3944.	15.6	204

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73	Synthetic Routes and Formation Mechanisms of Spherical Boron Nitride Nanoparticles. Advanced Functional Materials, 2008, 18, 3653-3661.	7.8	196
74	Direct Force Measurements and Kinking under Elastic Deformation of Individual Multiwalled Boron Nitride Nanotubes. Nano Letters, 2007, 7, 2146-2151.	4.5	192
75	â€œSoft Shortsâ€•Hidden in Zinc Metal Anode Research. Joule, 2022, 6, 273-279.	11.7	192
76	A Nanofibrillated Cellulose/Polyacrylamide Electrolyteâ€Based Flexible and Sewable Highâ€Performance Znâ€“MnO₂ Battery with Superior Shear Resistance. Small, 2018, 14, e1803978.	5.2	191
77	Alignment of Boron Nitride Nanotubes in Polymeric Composite Films for Thermal Conductivity Improvement. Journal of Physical Chemistry C, 2010, 114, 4340-4344.	1.5	188
78	Thermal conductivity of graphene-based polymer nanocomposites. Materials Science and Engineering Reports, 2020, 142, 100577.	14.8	188
79	A soft yet device-level dynamically super-tough supercapacitor enabled by an energy-dissipative dual-crosslinked hydrogel electrolyte. Nano Energy, 2019, 58, 732-742.	8.2	187
80	Initiating Hexagonal MoO₃ for Superbâ€Stable and Fast NH₄⁺ Storage Based on Hydrogen Bond Chemistry. Advanced Materials, 2020, 32, e1907802.	11.1	186
81	Immobilization of Proteins on Boron Nitride Nanotubes. Journal of the American Chemical Society, 2005, 127, 17144-17145.	6.6	185
82	In Vitro Investigation of the Cellular Toxicity of Boron Nitride Nanotubes. ACS Nano, 2011, 5, 3800-3810.	7.3	184
83	Deformation-Driven Electrical Transport of Individual Boron Nitride Nanotubes. Nano Letters, 2007, 7, 632-637.	4.5	183
84	Halogenated Ti₃C₂ MXenes with Electrochemically Active Terminals for High-Performance Zinc Ion Batteries. ACS Nano, 2021, 15, 1077-1085.	7.3	183
85	Proton-Insertion-Enhanced Pseudocapacitance Based on the Assembly Structure of Tungsten Oxide. ACS Applied Materials & Interfaces, 2014, 6, 18901-18910.	4.0	182
86	A Highly Elastic and Reversibly Stretchable Allâ€Polymer Supercapacitor. Angewandte Chemie - International Edition, 2019, 58, 15707-15711.	7.2	181
87	Phase Transition Induced Unusual Electrochemical Performance of V₂CT_X MXene for Aqueous Zinc Hybrid-Ion Battery. ACS Nano, 2020, 14, 541-551.	7.3	179
88	Covalent Functionalization: Towards Soluble Multiwalled Boron Nitride Nanotubes. Angewandte Chemie - International Edition, 2005, 44, 7932-7935.	7.2	171
89	Phonon characteristics and cathodolumininescence of boron nitride nanotubes. Applied Physics Letters, 2005, 86, 213110.	1.5	171
90	An Intrinsically Selfâ€Healing NiCo||Zn Rechargeable Battery with a Selfâ€Healable Ferricâ€Ionâ€Crosslinking Sodium Polyacrylate Hydrogel Electrolyte. Angewandte Chemie - International Edition, 2018, 57, 9810-9813.	7.2	171

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91	Ultrathin nanoporous Fe3O4â€“carbon nanosheets with enhanced supercapacitor performance. Journal of Materials Chemistry A, 2013, 1, 1952.	5.2	168
92	Chemically Activated Boron Nitride Nanotubes. Chemistry - an Asian Journal, 2009, 4, 1536-1540.	1.7	167
93	Recent Advances in Electrolytes for â€œBeyond Aqueousâ€•Zincâ€Ion Batteries. Advanced Materials, 2022, 34, e2106409.	11.1	167
94	Highly anisotropic, multichannel wood carbon with optimized heteroatom doping for supercapacitor and oxygen reduction reaction. Carbon, 2018, 130, 532-543.	5.4	164
95	Ni(OH)2 nanosheet @ Fe2O3 nanowire hybrid composite arrays for high-performance supercapacitor electrodes. Nano Energy, 2013, 2, 754-763.	8.2	161
96	A Highly Durable, Transferable, and Substrateâ€Versatile Highâ€Performance Allâ€Polymer Microâ€Supercapacitor with Plugâ€andâ€Play Function. Advanced Materials, 2017, 29, 1605137.	11.1	160
97	A mechanically durable and device-level tough Zn-MnO2 battery with high flexibility. Energy Storage Materials, 2019, 23, 636-645.	9.5	159
98	Cobalt(ii,iii) oxide hollow structures: fabrication, properties and applications. Journal of Materials Chemistry, 2012, 22, 23310.	6.7	156
99	Novel polymer nanocomposites from bioinspired green aqueous functionalization of BNNTs. Polymer Chemistry, 2012, 3, 962.	1.9	155
100	Toward Effective Synergetic Effects from Graphene Nanoplatelets and Carbon Nanotubes on Thermal Conductivity of Ultrahigh Volume Fraction Nanocarbon Epoxy Composites. Journal of Physical Chemistry C, 2012, 116, 23812-23820.	1.5	154
101	Polymer composites of boron nitride nanotubes and nanosheets. Journal of Materials Chemistry C, 2014, 2, 10049-10061.	2.7	153
102	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.	5.2	152
103	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.	15.6	152
104	A Universal Principle to Design Reversible Aqueous Batteries Based on Depositionâ€“Dissolution Mechanism. Advanced Energy Materials, 2019, 9, 1901838.	10.2	151
105	Coreâ€“satellite Ag@BaTiO3 nanoassemblies for fabrication of polymer nanocomposites with high discharged energy density, high breakdown strength and low dielectric loss. Physical Chemistry Chemical Physics, 2013, 15, 17560.	1.3	150
106	Phosphorene as Cathode Material for Highâ€Voltage, Antiâ€Selfâ€Discharge Zinc Ion Hybrid Capacitors. Advanced Energy Materials, 2020, 10, 2001024.	10.2	149
107	Characteristics of Boron Nitride Nanotube-Polyaniline Composites. Angewandte Chemie - International Edition, 2005, 44, 7929-7932.	7.2	147
108	Polymers for supercapacitors: Boosting the development of the flexible and wearable energy storage. Materials Science and Engineering Reports, 2020, 139, 100520.	14.8	145

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109	Component Matters: Paving the Roadmap toward Enhanced Electrocatalytic Performance of Graphitic C₃N₄-Based Catalysts via Atomic Tuning. ACS Nano, 2017, 11, 6004-6014.	7.3	144
110	Large-surface-area BN nanosheets and their utilization in polymeric composites with improved thermal and dielectric properties. Nanoscale Research Letters, 2012, 7, 662.	3.1	143
111	Boron nitride nanotubes/polystyrene composites. Journal of Materials Research, 2006, 21, 2794-2800.	1.2	142
112	Gradient fluorinated alloy to enable highly reversible Zn-metal anode chemistry. Energy and Environmental Science, 2022, 15, 1086-1096.	15.6	141
113	One-dimensional surface phonon polaritons in boron nitride nanotubes. Nature Communications, 2014, 5, 4782.	5.8	140
114	The S-functionalized Ti₃C₂ Mxene as a high capacity electrode material for Na-ion batteries: a DFT study. Nanoscale, 2018, 10, 3385-3392.	2.8	139
115	A flexible rechargeable zinc-ion wire-shaped battery with shape memory function. Journal of Materials Chemistry A, 2018, 6, 8549-8557.	5.2	138
116	Aqueous Noncovalent Functionalization and Controlled Near-Surface Carbon Doping of Multiwalled Boron Nitride Nanotubes. Journal of the American Chemical Society, 2008, 130, 8144-8145.	6.6	137
117	Highly Efficient Electrochemical Reduction of Nitrogen to Ammonia on Surface Termination Modified Ti₃C₂T_x MXene Nanosheets. ACS Nano, 2020, 14, 9089-9097.	7.3	137
118	Toward a Practical Zn Powder Anode: Ti₃C₂Tx MXene as a Lattice-Match Electrons/Ions Redistributor. ACS Nano, 2021, 15, 14631-14642.	7.3	137
119	A Flexible Solidâ€State Aqueous Zinc Hybrid Battery with Flat and Highâ€Voltage Discharge Plateau. Advanced Energy Materials, 2019, 9, 1902473.	10.2	136
120	Arsenic (V) adsorption on Fe3O4 nanoparticle-coated boron nitride nanotubes. Journal of Colloid and Interface Science, 2011, 359, 261-268.	5.0	135
121	Recent Progress of <scp>MX</scp>eneâ€Based Nanomaterials in Flexible Energy Storage and Electronic Devices. Energy and Environmental Materials, 2018, 1, 183-195.	7.3	135
122	Dendrites issues and advances in Zn anode for aqueous rechargeable Znâ€based batteries. EcoMat, 2020, 2, e12035.	6.8	135
123	Thickness-dependent bending modulus of hexagonal boron nitride nanosheets. Nanotechnology, 2009, 20, 385707.	1.3	134
124	A shape memory supercapacitor and its application in smart energy storage textiles. Journal of Materials Chemistry A, 2016, 4, 1290-1297.	5.2	134
125	A smart safe rechargeable zinc ion battery based on sol-gel transition electrolytes. Science Bulletin, 2018, 63, 1077-1086.	4.3	134
126	Capacitance Enhancement in a Semiconductor Nanostructureâ€Based Supercapacitor by Solar Light and a Selfâ€Powered Supercapacitorâ€“Photodetector System. Advanced Functional Materials, 2016, 26, 4481-4490.	7.8	133

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127	Building durable aqueous K-ion capacitors based on MXene family. , 2022, 1, e9120002.		131
128	CoO octahedral nanocages for high-performance lithium ion batteries. Chemical Communications, 2012, 48, 4878.	2.2	130
129	Activating the I⁰/I⁺ redox couple in an aqueous I₂â€“Zn battery to achieve a high voltage plateau. Energy and Environmental Science, 2021, 14, 407-413.	15.6	129
130	Highly Thermo-conductive Fluid with Boron Nitride Nanofillers. ACS Nano, 2011, 5, 6571-6577.	7.3	128
131	In Situ Electrochemical Synthesis of MXenes without Acid/Alkali Usage in/for an Aqueous Zinc Ion Battery. Advanced Energy Materials, 2020, 10, 2001791.	10.2	128
132	Vertically Aligned Sn⁴⁺ Preintercalated Ti₂CT_X MXene Sphere with Enhanced Zn Ion Transportation and Superior Cycle Lifespan. Advanced Energy Materials, 2020, 10, 2001394.	10.2	127
133	An electrochromic supercapacitor and its hybrid derivatives: quantifiably determining their electrical energy storage by an optical measurement. Journal of Materials Chemistry A, 2015, 3, 21321-21327.	5.2	124
134	Stabilizing Interface pH by Nâ€Modified Graphdiyne for Dendriteâ€Free and Highâ€Rate Aqueous Znâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	124
135	Advances in Flexible and Wearable Energyâ€Storage Textiles. Small Methods, 2018, 2, 1800124.	4.6	123
136	Effects of Anion Carriers on Capacitance and Selfâ€Discharge Behaviors of Zinc Ion Capacitors. Angewandte Chemie - International Edition, 2021, 60, 1011-1021.	7.2	122
137	Calendar Life of Zn Batteries Based on Zn Anode with Zn Powder/Current Collector Structure. Advanced Energy Materials, 2021, 11, 2003931.	10.2	122
138	Enhanced Redox Kinetics and Duration of Aqueous I₂/I^{â^'} Conversion Chemistry by MXene Confinement. Advanced Materials, 2021, 33, e2006897.	11.1	121
139	A high performance fiber-shaped PEDOT@MnO₂//C@Fe₃O₄asymmetric supercapacitor for wearable electronics. Journal of Materials Chemistry A, 2016, 4, 14877-14883.	5.2	118
140	3D Graphene Fibers Grown by Thermal Chemical Vapor Deposition. Advanced Materials, 2018, 30, e1705380.	11.1	116
141	Multiâ€Functional Hydrogels for Flexible Zincâ€Based Batteries Working under Extreme Conditions. Advanced Energy Materials, 2021, 11, 2101749.	10.2	116
142	Thermal Conductivity Improvement of Polymer Films by Catechin-Modified Boron Nitride Nanotubes. Journal of Physical Chemistry C, 2009, 113, 13605-13609.	1.5	115
143	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.	9.5	115
144	Layered Rare-Earth Hydroxides (LRHs) of (Y_{1â^'x}Eu_x)₂(OH)₅NO₃Â·nH₂O (x = 0â^'1): Structural Variations by Eu³⁺ Doping, Phase Conversion to Oxides, and the Correlation of Photoluminescence Behaviors. Chemistry of Materials, 2010, 22, 4204-4213.	3.2	114

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145	Stabilized Co³⁺/Co⁴⁺ Redox Pair in In Situ Produced CoSe_{2â¯}_xâ€Derived Cobalt Oxides for Alkaline Zn Batteries with 10 000â€Cycle Lifespan and 1.9â€V Voltage Plateau. Advanced Energy Materials, 2020, 10, 2000892.	10.2	114
146	Honeycomb porous MnO2 nanofibers assembled from radially grown nanosheets for aqueous supercapacitors with high working voltage and energy density. Nano Energy, 2014, 4, 39-48.	8.2	112
147	Toward enhanced activity of a graphitic carbon nitride-based electrocatalyst in oxygen reduction and hydrogen evolution reactions via atomic sulfur doping. Journal of Materials Chemistry A, 2016, 4, 12205-12211.	5.2	112
148	Construction of a hierarchical 3D Co/N-carbon electrocatalyst for efficient oxygen reduction and overall water splitting. Journal of Materials Chemistry A, 2018, 6, 489-497.	5.2	111
149	Electrocatalytic Iodine Reduction Reaction Enabled by Aqueous Zincâ€Iodine Battery with Improved Power and Energy Densities. Angewandte Chemie - International Edition, 2021, 60, 3791-3798.	7.2	111
150	Towards high areal capacitance, rate capability, and tailorable supercapacitors: Co₃O₄@polypyrrole coreâ€“shell nanorod bundle array electrodes. Journal of Materials Chemistry A, 2018, 6, 19058-19065.	5.2	110
151	Porous single-crystal NaTi2(PO4)3 via liquid transformation of TiO2 nanosheets for flexible aqueous Na-ion capacitor. Nano Energy, 2018, 50, 623-631.	8.2	110
152	Efficient Ammonia Electrosynthesis and Energy Conversion through a Znâ€Nitrate Battery by Iron Doping Engineered Nickel Phosphide Catalyst. Advanced Energy Materials, 2022, 12, .	10.2	108
153	3D spacer fabric based multifunctional triboelectric nanogenerator with great feasibility for mechanized large-scale production. Nano Energy, 2016, 27, 439-446.	8.2	107
154	Highly Flexible and Self-Healable Thermal Interface Material Based on Boron Nitride Nanosheets and a Dual Cross-Linked Hydrogel. ACS Applied Materials & Interfaces, 2017, 9, 10078-10084.	4.0	107
155	Proton-assisted calcium-ion storage in aromatic organic molecular crystal with coplanar stacked structure. Nature Communications, 2021, 12, 2400.	5.8	107
156	Energy density issues of flexible energy storage devices. Energy Storage Materials, 2020, 28, 264-292.	9.5	106
157	Highly Compressible Cross-Linked Polyacrylamide Hydrogel-Enabled Compressible Znâ€“MnO₂ Battery and a Flexible Batteryâ€“Sensor System. ACS Applied Materials & Interfaces, 2018, 10, 44527-44534.	4.0	105
158	Aqueous Zincâ€“Tellurium Batteries with Ultraflat Discharge Plateau and High Volumetric Capacity. Advanced Materials, 2020, 32, e2001469.	11.1	104
159	Manipulating anion intercalation enables a high-voltage aqueous dual ion battery. Nature Communications, 2021, 12, 3106.	5.8	104
160	Boronâ€“oxygen luminescence centres in boronâ€“nitrogen systems. Chemical Communications, 2007, , 4599.	2.2	102
161	Liquidâ€Free Allâ€Solidâ€State Zinc Batteries and Encapsulationâ€Free Flexible Batteries Enabled by Inâ€…Situ Constructed Polymer Electrolyte. Angewandte Chemie - International Edition, 2020, 59, 23836-23844.	7.2	102
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