

# Chun-Yi Zhi

## List of Publications by Citations

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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	Boron nitride nanotubes and nanosheets. <i>ACS Nano</i> , <b>2010</b> , 4, 2979-93	16.7	1699
429	Large-Scale Fabrication of Boron Nitride Nanosheets and Their Utilization in Polymeric Composites with Improved Thermal and Mechanical Properties. <i>Advanced Materials</i> , <b>2009</b> , 21, 2889-2893	24	1282
428	Boron Nitride Nanotubes. <i>Advanced Materials</i> , <b>2007</b> , 19, 2413-2432	24	766
427	"White graphenes": boron nitride nanoribbons via boron nitride nanotube unwrapping. <i>Nano Letters</i> , <b>2010</b> , 10, 5049-55	11.5	643
426	An extremely safe and wearable solid-state zinc ion battery based on a hierarchical structured polymer electrolyte. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 941-951	35.4	520
425	Three-dimensional strutted graphene grown by substrate-free sugar blowing for high-power-density supercapacitors. <i>Nature Communications</i> , <b>2013</b> , 4, 2905	17.4	514
424	A self-healable and highly stretchable supercapacitor based on a dual crosslinked polyelectrolyte. <i>Nature Communications</i> , <b>2015</b> , 6, 10310	17.4	500
423	Single-Crystalline ZnS Nanobelts as Ultraviolet-Light Sensors. <i>Advanced Materials</i> , <b>2009</b> , 21, 2034-2039	24	479
422	Advanced rechargeable zinc-based batteries: Recent progress and future perspectives. <i>Nano Energy</i> , <b>2019</b> , 62, 550-587	17.1	471
421	Nanoporous CaCO <sub>3</sub> Coatings Enabled Uniform Zn Stripping/Plating for Long-Life Zinc Rechargeable Aqueous Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1801090	21.8	450
420	Nanostructured Polypyrrole as a flexible electrode material of supercapacitor. <i>Nano Energy</i> , <b>2016</b> , 22, 422-438	17.1	447
419	Photoluminescent Ti C MXene Quantum Dots for Multicolor Cellular Imaging. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604847	24	439
418	Highly Flexible, Freestanding Supercapacitor Electrode with Enhanced Performance Obtained by Hybridizing Polypyrrole Chains with MXene. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600969	21.8	439
417	Polyhedral Oligosilsesquioxane-Modified Boron Nitride Nanotube Based Epoxy Nanocomposites: An Ideal Dielectric Material with High Thermal Conductivity. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1824-1831	15.6	420
416	Towards Thermoconductive, Electrically Insulating Polymeric Composites with Boron Nitride Nanotubes as Fillers. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 1857-1862	15.6	394
415	Fabrication and microwave absorption of carbon nanotubes/CoFe <sub>2</sub> O <sub>4</sub> spinel nanocomposite. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 033105	3.4	378
414	Texturing in situ: N,S-enriched hierarchically porous carbon as a highly active reversible oxygen electrocatalyst. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 742-749	35.4	374

413	From industrially weavable and knittable highly conductive yarns to large wearable energy storage textiles. <i>ACS Nano</i> , <b>2015</b> , 9, 4766-75	16.7	359
412	Ultrathin MXene-Micropattern-Based Field-Effect Transistor for Probing Neural Activity. <i>Advanced Materials</i> , <b>2016</b> , 28, 3333-9	24	356
411	Boron nitride nanotubes. <i>Materials Science and Engineering Reports</i> , <b>2010</b> , 70, 92-111	30.9	345
410	A flexible rechargeable aqueous zinc manganese-dioxide battery working at 0 °C. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 706-715	35.4	333
409	An Intrinsically Stretchable and Compressible Supercapacitor Containing a Polyacrylamide Hydrogel Electrolyte. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9141-9145	16.4	329
408	Waterproof and Tailorable Elastic Rechargeable Yarn Zinc Ion Batteries by a Cross-Linked Polyacrylamide Electrolyte. <i>ACS Nano</i> , <b>2018</b> , 12, 3140-3148	16.7	305
407	Multifunctional Energy Storage and Conversion Devices. <i>Advanced Materials</i> , <b>2016</b> , 28, 8344-8364	24	305
406	Voltage issue of aqueous rechargeable metal-ion batteries. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 180-232	58.5	301
405	Low-dimensional boron nitride nanomaterials. <i>Materials Today</i> , <b>2012</b> , 15, 256-265	21.8	297
404	Do Zinc Dendrites Exist in Neutral Zinc Batteries: A Developed Electrohealing Strategy to In Situ Rescue In-Service Batteries. <i>Advanced Materials</i> , <b>2019</b> , 31, e1903778	24	285
403	Initiating a mild aqueous electrolyte Co <sub>3</sub> O <sub>4</sub> /Zn battery with 2.2 V-high voltage and 5000-cycle lifespan by a Co(III) rich-electrode. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 2521-2530	35.4	282
402	A Superior MnO Cathode and a Self-Healing Zn-MnO Battery. <i>ACS Nano</i> , <b>2019</b> , 13, 10643-10652	16.7	278
401	Recent Progress on Flexible and Wearable Supercapacitors. <i>Small</i> , <b>2017</b> , 13, 1701827	11	260
400	Single-Site Active Iron-Based Bifunctional Oxygen Catalyst for a Compressible and Rechargeable Zinc-Air Battery. <i>ACS Nano</i> , <b>2018</b> , 12, 1949-1958	16.7	255
399	Hydrogel Electrolytes for Flexible Aqueous Energy Storage Devices. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1804560	15.6	253
398	Magnetic-Assisted, Self-Healable, Yarn-Based Supercapacitor. <i>ACS Nano</i> , <b>2015</b> , 9, 6242-51	16.7	248
397	High-performance stretchable yarn supercapacitor based on PPy@CNTs@urethane elastic fiber core spun yarn. <i>Nano Energy</i> , <b>2016</b> , 27, 230-237	17.1	245
396	Effective precursor for high yield synthesis of pure BN nanotubes. <i>Solid State Communications</i> , <b>2005</b> , 135, 67-70	1.6	243

395	Weavable, Conductive Yarn-Based NiCo//Zn Textile Battery with High Energy Density and Rate Capability. <i>ACS Nano</i> , <b>2017</b> , 11, 8953-8961	16.7	237
394	Boron nitride porous microbelts for hydrogen storage. <i>ACS Nano</i> , <b>2013</b> , 7, 1558-65	16.7	234
393	Boron nitride nanosheet coatings with controllable water repellency. <i>ACS Nano</i> , <b>2011</b> , 5, 6507-15	16.7	234
392	Synthesis and Electrochemical Properties of Two-Dimensional Hafnium Carbide. <i>ACS Nano</i> , <b>2017</b> , 11, 3841-3850	16.7	229
391	MoS <sub>2</sub> nanosheets with expanded interlayer spacing for rechargeable aqueous Zn-ion batteries. <i>Energy Storage Materials</i> , <b>2019</b> , 19, 94-101	19.4	227
390	Perfectly dissolved boron nitride nanotubes due to polymer wrapping. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 15996-7	16.4	223
389	Recent progresses in high-energy-density all pseudocapacitive-electrode-materials-based asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 9443-9464	13	218
388	Ultrafine ZnS Nanobelts as Field Emitters. <i>Advanced Materials</i> , <b>2007</b> , 19, 2593-2596	24	218
387	Super-high rate stretchable polypyrrole-based supercapacitors with excellent cycling stability. <i>Nano Energy</i> , <b>2015</b> , 11, 518-525	17.1	214
386	ZnO hollow spheres with double-yolk egg structure for high-performance photocatalysts and photodetectors. <i>Advanced Materials</i> , <b>2012</b> , 24, 3421-5	24	211
385	Dendrites in Zn-Based Batteries. <i>Advanced Materials</i> , <b>2020</b> , 32, e2001854	24	211
384	Porous Fe <sub>3</sub> O <sub>4</sub> /carbon composite electrode material prepared from metal-organic framework template and effect of temperature on its capacitance. <i>Nano Energy</i> , <b>2014</b> , 8, 133-140	17.1	206
383	Boron nitride nanotubes: functionalization and composites. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 3900		199
382	Polyurethane/Cotton/Carbon Nanotubes Core-Spun Yarn as High Reliability Stretchable Strain Sensor for Human Motion Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 24837-43	9.5	198
381	Transcriptome analysis and molecular signature of human retinal pigment epithelium. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 2468-86	5.6	193
380	Enhanced field emission from carbon nanotubes by hydrogen plasma treatment. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 1690-1692	3.4	190
379	Hydrogen-Free and Dendrite-Free All-Solid-State Zn-Ion Batteries. <i>Advanced Materials</i> , <b>2020</b> , 32, e1908124		186
378	Super-Stretchable Zinc-Air Batteries Based on an Alkaline-Tolerant Dual-Network Hydrogel Electrolyte. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803046	21.8	185

377	Flexible Waterproof Rechargeable Hybrid Zinc Batteries Initiated by Multifunctional Oxygen Vacancies-Rich Cobalt Oxide. <i>ACS Nano</i> , <b>2018</b> , 12, 8597-8605	16.7	184
376	Achieving Both High Voltage and High Capacity in Aqueous Zinc-Ion Battery for Record High Energy Density. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1906142	15.6	184
375	"Chemical blowing" of thin-walled bubbles: high-throughput fabrication of large-area, few-layered BN and C(x) -BN nanosheets. <i>Advanced Materials</i> , <b>2011</b> , 23, 4072-6	24	184
374	Achieving High-Voltage and High-Capacity Aqueous Rechargeable Zinc Ion Battery by Incorporating Two-Species Redox Reaction. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1902446	21.8	183
373	Towards wearable electronic devices: A quasi-solid-state aqueous lithium-ion battery with outstanding stability, flexibility, safety and breathability. <i>Nano Energy</i> , <b>2018</b> , 44, 164-173	17.1	176
372	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> , <b>2019</b> , 31, e1901521	24	173
371	Evaluating Flexibility and Wearability of Flexible Energy Storage Devices. <i>Joule</i> , <b>2019</b> , 3, 613-619	27.8	171
370	Immobilization of proteins on boron nitride nanotubes. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 17144-5	16.4	171
369	Direct Force Measurements and Kinking under Elastic Deformation of Individual Multiwalled Boron Nitride Nanotubes. <i>Nano Letters</i> , <b>2007</b> , 7, 2146-2151	11.5	167
368	Mn3O4 nanoparticles on layer-structured Ti3C2 MXene towards the oxygen reduction reaction and zinc-air batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 20818-20823	13	166
367	Synthetic Routes and Formation Mechanisms of Spherical Boron Nitride Nanoparticles. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 3653-3661	15.6	164
366	Deformation-driven electrical transport of individual boron nitride nanotubes. <i>Nano Letters</i> , <b>2007</b> , 7, 632-7	11.5	162
365	Phonon characteristics and cathodoluminescence of boron nitride nanotubes. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 213110	3.4	162
364	Alignment of Boron Nitride Nanotubes in Polymeric Composite Films for Thermal Conductivity Improvement. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 4340-4344	3.8	161
363	Proton-insertion-enhanced pseudocapacitance based on the assembly structure of tungsten oxide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 18901-10	9.5	155
362	In vitro investigation of the cellular toxicity of boron nitride nanotubes. <i>ACS Nano</i> , <b>2011</b> , 5, 3800-10	16.7	151
361	Ultrathin nanoporous Fe3O4-carbon nanosheets with enhanced supercapacitor performance. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 1952	13	149
360	Ni(OH)2 nanosheet @ Fe2O3 nanowire hybrid composite arrays for high-performance supercapacitor electrodes. <i>Nano Energy</i> , <b>2013</b> , 2, 754-763	17.1	148

359	Solid-State Rechargeable Zn//NiCo and Zn//Air Batteries with Ultralong Lifetime and High Capacity: The Role of a Sodium Polyacrylate Hydrogel Electrolyte. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1802288	21.8	146
358	A Wholly Degradable, Rechargeable Zn-TiC MXene Capacitor with Superior Anti-Self-Discharge Function. <i>ACS Nano</i> , <b>2019</b> , 13, 8275-8283	16.7	145
357	Covalent functionalization: towards soluble multiwalled boron nitride nanotubes. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 7932-5	16.4	145
356	Cobalt(II,III) oxide hollow structures: fabrication, properties and applications. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 23310		142
355	Chemically activated boron nitride nanotubes. <i>Chemistry - an Asian Journal</i> , <b>2009</b> , 4, 1536-40	4.5	142
354	A Highly Durable, Transferable, and Substrate-Versatile High-Performance All-Polymer Micro-Supercapacitor with Plug-and-Play Function. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605137	24	139
353	Hydrogen-Substituted Graphdiyne Ion Tunnels Directing Concentration Redistribution for Commercial-Grade Dendrite-Free Zinc Anodes. <i>Advanced Materials</i> , <b>2020</b> , 32, e2001755	24	136
352	Characteristics of boron nitride nanotube-polyaniline composites. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 7929-32	16.4	136
351	A flexible solid-state zinc ion hybrid supercapacitor based on co-polymer derived hollow carbon spheres. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 7784-7790	13	134
350	Toward Effective Synergetic Effects from Graphene Nanoplatelets and Carbon Nanotubes on Thermal Conductivity of Ultrahigh Volume Fraction Nanocarbon Epoxy Composites. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 23812-23820	3.8	133
349	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> , <b>2021</b> , 33, e2007406	24	133
348	Core-satellite Ag@BaTiO <sub>3</sub> nanoassemblies for fabrication of polymer nanocomposites with high discharged energy density, high breakdown strength and low dielectric loss. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 17560-9	3.6	131
347	Novel polymer nanocomposites from bioinspired green aqueous functionalization of BNNTs. <i>Polymer Chemistry</i> , <b>2012</b> , 3, 962	4.9	130
346	Aqueous noncovalent functionalization and controlled near-surface carbon doping of multiwalled boron nitride nanotubes. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 8144-5	16.4	126
345	Boron nitride nanotubes/polystyrene composites. <i>Journal of Materials Research</i> , <b>2006</b> , 21, 2794-2800	2.5	126
344	A soft yet device-level dynamically super-tough supercapacitor enabled by an energy-dissipative dual-crosslinked hydrogel electrolyte. <i>Nano Energy</i> , <b>2019</b> , 58, 732-742	17.1	123
343	Zwitterionic Sulfobetaine Hydrogel Electrolyte Building Separated Positive/Negative Ion Migration Channels for Aqueous Zn-MnO <sub>2</sub> Batteries with Superior Rate Capabilities. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000035	21.8	123
342	A Highly Elastic and Reversibly Stretchable All-Polymer Supercapacitor. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 15707-15711	16.4	122

341	An Intrinsically Self-Healing NiCo  Zn Rechargeable Battery with a Self-Healable Ferric-Ion-Crosslinking Sodium Polyacrylate Hydrogel Electrolyte. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9810-9813	16.4	121
340	Large-surface-area BN nanosheets and their utilization in polymeric composites with improved thermal and dielectric properties. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 662	5	120
339	Polymer composites of boron nitride nanotubes and nanosheets. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 10049-10061	7.1	119
338	One-dimensional surface phonon polaritons in boron nitride nanotubes. <i>Nature Communications</i> , <b>2014</b> , 5, 4782	17.4	119
337	CoO octahedral nanocages for high-performance lithium ion batteries. <i>Chemical Communications</i> , <b>2012</b> , 48, 4878-80	5.8	119
336	A Nanofibrillated Cellulose/Polyacrylamide Electrolyte-Based Flexible and Sewable High-Performance Zn-MnO Battery with Superior Shear Resistance. <i>Small</i> , <b>2018</b> , 14, e1803978	11	119
335	Quasi-Isolated Au Particles as Heterogeneous Seeds To Guide Uniform Zn Deposition for Aqueous Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 6490-6496	6.1	117
334	An Overview of Fiber-Shaped Batteries with a Focus on Multifunctionality, Scalability, and Technical Difficulties. <i>Advanced Materials</i> , <b>2020</b> , 32, e1902151	24	117
333	Component Matters: Paving the Roadmap toward Enhanced Electrocatalytic Performance of Graphitic CN-Based Catalysts via Atomic Tuning. <i>ACS Nano</i> , <b>2017</b> , 11, 6004-6014	16.7	116
332	Arsenic (V) adsorption on Fe <sub>3</sub> O <sub>4</sub> nanoparticle-coated boron nitride nanotubes. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 359, 261-8	9.3	116
331	Highly anisotropic, multichannel wood carbon with optimized heteroatom doping for supercapacitor and oxygen reduction reaction. <i>Carbon</i> , <b>2018</b> , 130, 532-543	10.4	112
330	A shape memory supercapacitor and its application in smart energy storage textiles. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 1290-1297	13	111
329	Thickness-dependent bending modulus of hexagonal boron nitride nanosheets. <i>Nanotechnology</i> , <b>2009</b> , 20, 385707	3.4	111
328	Highly thermo-conductive fluid with boron nitride nanofillers. <i>ACS Nano</i> , <b>2011</b> , 5, 6571-7	16.7	110
327	Capacitance Enhancement in a Semiconductor Nanostructure-Based Supercapacitor by Solar Light and a Self-Powered Supercapacitor-Photodetector System. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4481-4490	15.6	105
326	Honeycomb porous MnO <sub>2</sub> nanofibers assembled from radially grown nanosheets for aqueous supercapacitors with high working voltage and energy density. <i>Nano Energy</i> , <b>2014</b> , 4, 39-48	17.1	104
325	A flexible rechargeable zinc-ion wire-shaped battery with shape memory function. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 8549-8557	13	103
324	An electrochromic supercapacitor and its hybrid derivatives: quantifiably determining their electrical energy storage by an optical measurement. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 21321-21327	13	102

323	Thermal Conductivity Improvement of Polymer Films by Catechin-Modified Boron Nitride Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 13605-13609	3.8	100
322	Layered Rare-Earth Hydroxides (LRHs) of $(Y_{1-x}Eu_x)_2(OH)_5NO_3 \cdot xH_2O$ ( $x = 0-1$ ): Structural Variations by $Eu^{3+}$ Doping, Phase Conversion to Oxides, and the Correlation of Photoluminescence Behaviors. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4204-4213	9.6	99
321	Phase Transition Induced Unusual Electrochemical Performance of VCT MXene for Aqueous Zinc Hybrid-Ion Battery. <i>ACS Nano</i> , <b>2020</b> , 14, 541-551	16.7	99
320	A mechanically durable and device-level tough Zn-MnO <sub>2</sub> battery with high flexibility. <i>Energy Storage Materials</i> , <b>2019</b> , 23, 636-645	19.4	97
319	Phosphorene as Cathode Material for High-Voltage, Anti-Self-Discharge Zinc Ion Hybrid Capacitors. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2001024	21.8	96
318	A high performance fiber-shaped PEDOT@MnO <sub>2</sub> //C@Fe <sub>3</sub> O <sub>4</sub> asymmetric supercapacitor for wearable electronics. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 14877-14883	13	96
317	A smart safe rechargeable zinc ion battery based on sol-gel transition electrolytes. <i>Science Bulletin</i> , <b>2018</b> , 63, 1077-1086	10.6	94
316	Boron-oxygen luminescence centres in boron-nitrogen systems. <i>Chemical Communications</i> , <b>2007</b> , 4599-6008	6.8	93
315	Toward enhanced activity of a graphitic carbon nitride-based electrocatalyst in oxygen reduction and hydrogen evolution reactions via atomic sulfur doping. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 12205-12211	13	92
314	Enhancing superplasticity of engineering ceramics by introducing BN nanotubes. <i>Nanotechnology</i> , <b>2007</b> , 18, 485706	3.4	90
313	Adjustable boron carbonitride nanotubes. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 5325-5333	2.5	90
312	Construction of a hierarchical 3D Co/N-carbon electrocatalyst for efficient oxygen reduction and overall water splitting. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 489-497	13	90
311	The S-functionalized TiC Mxene as a high capacity electrode material for Na-ion batteries: a DFT study. <i>Nanoscale</i> , <b>2018</b> , 10, 3385-3392	7.7	89
310	Porous single-crystal NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> via liquid transformation of TiO <sub>2</sub> nanosheets for flexible aqueous Na-ion capacitor. <i>Nano Energy</i> , <b>2018</b> , 50, 623-631	17.1	88
309	Unusual formation of Fe <sub>2</sub> O <sub>3</sub> hexagonal nanoplatelets in N-doped sandwiched graphene chamber for high-performance lithium-ions batteries. <i>Nano Energy</i> , <b>2013</b> , 2, 257-267	17.1	88
308	Advances in Flexible and Wearable Energy-Storage Textiles. <i>Small Methods</i> , <b>2018</b> , 2, 1800124	12.8	87
307	Recent Progress of MXene-Based Nanomaterials in Flexible Energy Storage and Electronic Devices. <i>Energy and Environmental Materials</i> , <b>2018</b> , 1, 183-195	13	87
306	Temperature-dependent electrical property transition of graphene oxide paper. <i>Nanotechnology</i> , <b>2012</b> , 23, 455705	3.4	86



305	Non-metallic charge carriers for aqueous batteries. <i>Nature Reviews Materials</i> , <b>2021</b> , 6, 109-123	73.3	85
304	Top-Down Fabrication of Stable Methylammonium Lead Halide Perovskite Nanocrystals by Employing a Mixture of Ligands as Coordinating Solvents. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9571-9576	16.4	84
303	Engineering of electronic structure of boron-nitride nanotubes by covalent functionalization. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	84
302	Raman characterization of boron carbonitride nanotubes. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 3590-3592	3.4	84
301	Binder-free hierarchical VS <sub>2</sub> electrodes for high-performance aqueous Zn ion batteries towards commercial level mass loading. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16330-16338	13	83
300	Initiating Hexagonal MoO <sub>3</sub> for Superb-Stable and Fast NH <sub>3</sub> Storage Based on Hydrogen Bond Chemistry. <i>Advanced Materials</i> , <b>2020</b> , 32, e1907802	24	83
299	A Universal Principle to Design Reversible Aqueous Batteries Based on Deposition/Dissolution Mechanism. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1901838	21.8	83
298	Bulk synthesis, growth mechanism and properties of highly pure ultrafine boron nitride nanotubes with diameters of sub-10 nm. <i>Nanotechnology</i> , <b>2011</b> , 22, 145602	3.4	83
297	Extremely Stable Polypyrrole Achieved via Molecular Ordering for Highly Flexible Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 2435-40	9.5	82
296	Highly Flexible and Self-Healable Thermal Interface Material Based on Boron Nitride Nanosheets and a Dual Cross-Linked Hydrogel. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 10078-10084	9.5	81
295	In-doped Ga <sub>2</sub> O <sub>3</sub> nanobelt based photodetector with high sensitivity and wide-range photoresponse. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 17984		81
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18	High-Rate Aqueous Aluminum-Ion Batteries Enabled by Confined Iodine Conversion Chemistry.. <i>Small Methods</i> , <b>2021</b> , 5, e2100611	12.8	2



17	Adhesive and cohesive force matters in deformable batteries. <i>Npj Flexible Electronics</i> , <b>2021</b> , 5,	10.7	2
16	Recent advances and future perspectives for aqueous zinc-ion capacitors <b>2022</b> , 1, 022101		2
15	In-situ grown porous protective layers with high binding strength for stable Zn anodes. <i>Chemical Engineering Journal</i> , <b>2022</b> , 434, 134688	14.7	1
14	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> , <b>2021</b> , 9, 2001036	3.5	1
13	Flexible, Electrically Conductive, Nanostructured, Asymmetric Aerogel Films for Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	1
12	H-Inhibited Organic Anodes for Fast and Long-Life Aqueous Aluminum Ion Batteries with a 3.5-Month Calendar Life.. <i>Small</i> , <b>2022</b> , e2200463	11	1
11	Low Infrared Emissivity and Strong Stealth of Ti-Based MXenes. <i>Research</i> , <b>2022</b> , 2022, 1-7	7.8	1
10	Perspective on Micro-Supercapacitors.. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 807500	5	0
9	Highly Thermally/Electrochemically Stable I <sup>+</sup> /I <sup>3+</sup> Bonded Organic Salts with High I Content for Long-Life Li <sup>+</sup> Batteries. <i>Advanced Energy Materials</i> , 2103648	21.8	0
8	Bis-ammonium salts with strong chemisorption to halide ions for fast and durable aqueous redox Zn ion batteries. <i>Nano Energy</i> , <b>2022</b> , 98, 107278	17.1	0
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4	Fiber/Yarn-Based Flexible Supercapacitor <b>2018</b> , 37-65		
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1	A comprehensive panel of mutation scanning assays detects mutations in the APC, TP53, KRAS, BRAF genes and hypermethylated APC and MLH1 DNA in plasma of patients with various stages of colorectal cancer: Utility for early detection, prognosis, and disease monitoring. <i>Journal of Clinical Oncology</i> , <b>2004</b> , 22, 3765-3765	2.2	