

Zifeng Wang

List of Publications by Year in descending order

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52
papers

9,621
citations

70961

41
h-index

182168

51
g-index

54
all docs

54
docs citations

54
times ranked

11209
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances of Drugs Electroanalysis Based on Direct Electrochemical Redox on Electrodes: A Review. <i>Critical Reviews in Analytical Chemistry</i> , 2024, 54, 269-314.	1.8	1
2	MoO ₃ /TiO ₂ /Ti ₃ C ₂ T _x nanocomposite based gas sensors for highly sensitive and selective isopropanol detection at room temperature. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8283-8292.	5.2	54
3	Fully transient stretchable fruit-based battery as safe and environmentally friendly power source for wearable electronics. <i>EcoMat</i> , 2021, 3, e12073.	6.8	41
4	A Highly Stable and Durable Capacitive Strain Sensor Based on Dynamically Super-Tough Hydro/Organo-Gels. <i>Advanced Functional Materials</i> , 2021, 31, 2010830.	7.8	84
5	Energy-dissipative dual-crosslinked hydrogels for dynamically super-tough sensors. <i>Science China Materials</i> , 2021, 64, 2764-2776.	3.5	15
6	Polymers for supercapacitors: Boosting the development of the flexible and wearable energy storage. <i>Materials Science and Engineering Reports</i> , 2020, 139, 100520.	14.8	145
7	Artificially innervated self-healing foams as synthetic piezo-impedance sensor skins. <i>Nature Communications</i> , 2020, 11, 5747.	5.8	118
8	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.	2.6	41
9	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.	8.2	187
10	Advanced rechargeable zinc-based batteries: Recent progress and future perspectives. <i>Nano Energy</i> , 2019, 62, 550-587.	8.2	817
11	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.	5.2	152
12	Boron ink assisted <i>in situ</i> boron nitride coatings for anti-oxidation and anti-corrosion applications. <i>Nanotechnology</i> , 2019, 30, 335704.	1.3	15
13	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.	9.5	115
14	A flexible rechargeable zinc-ion wire-shaped battery with shape memory function. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8549-8557.	5.2	138
15	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.	15.6	731
16	Highly anisotropic, multichannel wood carbon with optimized heteroatom doping for supercapacitor and oxygen reduction reaction. <i>Carbon</i> , 2018, 130, 532-543.	5.4	164
17	Towards wearable electronic devices: A quasi-solid-state aqueous lithium-ion battery with outstanding stability, flexibility, safety and breathability. <i>Nano Energy</i> , 2018, 44, 164-173.	8.2	228
18	Graphene stirrer with designed movements: Targeting on environmental remediation and supercapacitor applications. <i>Green Energy and Environment</i> , 2018, 3, 86-96.	4.7	10

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19	Self-healable electroluminescent devices. <i>Light: Science and Applications</i> , 2018, 7, 102.	7.7	71
20	Recent Progress of MXene-Based Nanomaterials in Flexible Energy Storage and Electronic Devices. <i>Energy and Environmental Materials</i> , 2018, 1, 183-195.	7.3	135
21	Highly Compressible Cross-Linked Polyacrylamide Hydrogel-Enabled Compressible Zn ²⁺ /MnO ₂ Battery and a Flexible Battery-Sensor System. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44527-44534.	4.0	105
22	Hydrogel Electrolytes for Flexible Aqueous Energy Storage Devices. <i>Advanced Functional Materials</i> , 2018, 28, 1804560.	7.8	433
23	<i>In situ</i> formation of NaTi ₂ (PO ₄) ₃ cubes on Ti ₃ C ₂ MXene for dual-mode sodium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18525-18532.	5.2	60
24	Advances in Flexible and Wearable Energy Storage Textiles. <i>Small Methods</i> , 2018, 2, 1800124.	4.6	123
25	Flexible Waterproof Rechargeable Hybrid Zinc Batteries Initiated by Multifunctional Oxygen Vacancies-Rich Cobalt Oxide. <i>ACS Nano</i> , 2018, 12, 8597-8605.	7.3	257
26	Integrating a Triboelectric Nanogenerator and a Zinc-Ion Battery on a Designed Flexible 3D Spacer Fabric. <i>Small Methods</i> , 2018, 2, 1800150.	4.6	78
27	Initiating a mild aqueous electrolyte Co ₃ O ₄ /Zn battery with 2.2 V-high voltage and 5000-cycle lifespan by a Co(III) rich-electrode. <i>Energy and Environmental Science</i> , 2018, 11, 2521-2530.	15.6	414
28	Spherical Boron Nitride Supported Gold-Copper Catalysts for the Low-Temperature Selective Oxidation of Ethanol. <i>ChemCatChem</i> , 2017, 9, 1363-1367.	1.8	28
29	A Highly Durable, Transferable, and Substrate-Versatile High-Performance All-Polymer Micro-Supercapacitor with Plug-and-Play Function. <i>Advanced Materials</i> , 2017, 29, 1605137.	11.1	160
30	Photoluminescent Ti ₃ C ₂ MXene Quantum Dots for Multicolor Cellular Imaging. <i>Advanced Materials</i> , 2017, 29, 1604847.	11.1	692
31	Highly Flexible and Self-Healable Thermal Interface Material Based on Boron Nitride Nanosheets and a Dual Cross-Linked Hydrogel. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10078-10084.	4.0	107
32	Recent progress of fiber-shaped asymmetric supercapacitors. <i>Materials Today Energy</i> , 2017, 5, 1-14.	2.5	80
33	Flexible Dual-Mode Tactile Sensor Derived from Three-Dimensional Porous Carbon Architecture. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22685-22693.	4.0	41
34	Texturing in situ: N,S-enriched hierarchically porous carbon as a highly active reversible oxygen electrocatalyst. <i>Energy and Environmental Science</i> , 2017, 10, 742-749.	15.6	451
35	Highly Integrated Supercapacitor-Sensor Systems via Material and Geometry Design. <i>Small</i> , 2016, 12, 3393-3399.	5.2	78
36	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> , 2016, 4, 12205-12211.	5.2	112

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37	Nanostructured Polypyrrole as a flexible electrode material of supercapacitor. <i>Nano Energy</i> , 2016, 22, 422-438.	8.2	629
38	3D spacer fabric based multifunctional triboelectric nanogenerator with great feasibility for mechanized large-scale production. <i>Nano Energy</i> , 2016, 27, 439-446.	8.2	107
39	Large scale fabrication of graphene for oil and organic solvent absorption. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 319-323.	1.8	12
40	Highly Flexible, Freestanding Supercapacitor Electrode with Enhanced Performance Obtained by Hybridizing Polypyrrole Chains with MXene. <i>Advanced Energy Materials</i> , 2016, 6, 1600969.	10.2	580
41	Polyurethane/Cotton/Carbon Nanotubes Core-Spun Yarn as High Reliability Stretchable Strain Sensor for Human Motion Detection. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24837-24843.	4.0	251
42	Hydrothermal synthesis of blue-fluorescent monolayer BN and BCNO quantum dots for bio-imaging probes. <i>RSC Advances</i> , 2016, 6, 79090-79094.	1.7	66
43	Multifunctional Energy Storage and Conversion Devices. <i>Advanced Materials</i> , 2016, 28, 8344-8364.	11.1	420
44	High thermal conductivity and temperature probing of copper nanowire/upconversion nanoparticles/epoxy composite. <i>Composites Science and Technology</i> , 2016, 130, 63-69.	3.8	61
45	Thermally Conductive Electrically Insulating Polymer Nanocomposites. , 2016, , 281-321.		5
46	Fabrication of Boron Nitride Nanosheets by Exfoliation. <i>Chemical Record</i> , 2016, 16, 1204-1215.	2.9	74
47	A modularization approach for linear-shaped functional supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4580-4586.	5.2	50
48	A self-healable and highly stretchable supercapacitor based on a dual crosslinked polyelectrolyte. <i>Nature Communications</i> , 2015, 6, 10310.	5.8	634
49	Highly ductile UV-shielding polymer composites with boron nitride nanospheres as fillers. <i>Nanotechnology</i> , 2015, 26, 115702.	1.3	18
50	Robust reduced graphene oxide paper fabricated with a household non-stick frying pan: a large-area freestanding flexible substrate for supercapacitors. <i>RSC Advances</i> , 2015, 5, 33981-33989.	1.7	43
51	Solvent-free fabrication of thermally conductive insulating epoxy composites with boron nitride nanoplatelets as fillers. <i>Nanoscale Research Letters</i> , 2014, 9, 643.	3.1	37
52	Polymer composites of boron nitride nanotubes and nanosheets. <i>Journal of Materials Chemistry C</i> , 2014, 2, 10049-10061.	2.7	153