

# Bingjie Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

3,907  
citations

172457

29  
h-index

189892

50  
g-index

52  
all docs

52  
docs citations

52  
times ranked

4875  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-area display textiles integrated with functional systems. <i>Nature</i> , 2021, 591, 240-245.	27.8	550
2	Application Challenges in Fiber and Textile Electronics. <i>Advanced Materials</i> , 2020, 32, e1901971.	21.0	273
3	Scalable production of high-performing woven lithium-ion fibre batteries. <i>Nature</i> , 2021, 597, 57-63.	27.8	270
4	A Deepâ€Cycle Aqueous Zincâ€Ion Battery Containing an Oxygenâ€Deficient Vanadium Oxide Cathode. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2273-2278.	13.8	257
5	Tunable Photothermal Actuators Based on a Pre-programmed Aligned Nanostructure. <i>Journal of the American Chemical Society</i> , 2016, 138, 225-230.	13.7	234
6	The recent progress of nitrogen-doped carbon nanomaterials for electrochemical batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12932-12944.	10.3	218
7	Fabricating Continuous Supercapacitor Fibers with High Performances by Integrating All Building Materials and Steps into One Process. <i>Advanced Materials</i> , 2015, 27, 7854-7860.	21.0	176
8	Largeâ€Area Supercapacitor Textiles with Novel Hierarchical Conducting Structures. <i>Advanced Materials</i> , 2016, 28, 8431-8438.	21.0	158
9	A Sodiophilic Interphaseâ€Mediated, Dendriteâ€Free Anode with Ultrahigh Specific Capacity for Sodiumâ€Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17054-17060.	13.8	119
10	A Oneâ€Dimensional Fluidic Nanogenerator with a High Power Conversion Efficiency. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12940-12945.	13.8	112
11	Stabilizing Lithium into Crossâ€Stacked Nanotube Sheets with an Ultraâ€High Specific Capacity for Lithium Oxygen Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2437-2442.	13.8	111
12	Industrial scale production of fibre batteries by a solution-extrusion method. <i>Nature Nanotechnology</i> , 2022, 17, 372-377.	31.5	110
13	Aligned carbon nanotube/molybdenum disulfide hybrids for effective fibrous supercapacitors and lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17553-17557.	10.3	103
14	A Mechanically Actuating Carbonâ€Nanotube Fiber in Response to Water and Moisture. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14880-14884.	13.8	93
15	A fiber-shaped solar cell showing a record power conversion efficiency of 10%. <i>Journal of Materials Chemistry A</i> , 2018, 6, 45-51.	10.3	93
16	An intercalated graphene/(molybdenum disulfide) hybrid fiber for capacitive energy storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 925-930.	10.3	78
17	A triboelectric textile templated by a three-dimensionally penetrated fabric. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6077-6083.	10.3	71
18	A Deepâ€Cycle Aqueous Zincâ€Ion Battery Containing an Oxygenâ€Deficient Vanadium Oxide Cathode. <i>Angewandte Chemie</i> , 2020, 132, 2293-2298.	2.0	71

#	ARTICLE	IF	CITATIONS
19	Li <sup>+</sup> /CO <sub>2</sub> Batteries Efficiently Working at Ultra-Low Temperatures. <i>Advanced Functional Materials</i> , 2020, 30, 2001619.	14.9	61
20	A three-dimensionally stretchable high performance supercapacitor. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14968-14973.	10.3	52
21	A high-capacity aqueous zinc-ion battery fiber with air-recharging capability. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6811-6818.	10.3	51
22	High Efficiency and Stable Li <sup>+</sup> /CO <sub>2</sub> Battery Enabled by Carbon Nanotube/Carbon Nitride Heterostructured Photocathode. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	51
23	A Sodiophilic Interphase-Mediated, Dendrite-Free Anode with Ultrahigh Specific Capacity for Sodium-Metal Batteries. <i>Angewandte Chemie</i> , 2019, 131, 17210-17216.	2.0	49
24	Preparation of biomimetic hierarchically helical fiber actuators from carbon nanotubes. <i>Nature Protocols</i> , 2017, 12, 1349-1358.	12.0	48
25	Chemical-to-Electricity Carbon: Water Device. <i>Advanced Materials</i> , 2018, 30, e1707635.	21.0	45
26	Making Fiber-Shaped Ni//Bi Battery Simultaneously with High Energy Density, Power Density, and Safety. <i>Advanced Functional Materials</i> , 2020, 30, 1905971.	14.9	40
27	Lithium-Metal Anodes Working at 60 mA cm <sup>-2</sup> and 60 mA h cm <sup>-2</sup> through Nanoscale Lithium-Ion Adsorbing. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17419-17425.	13.8	39
28	The creation of hollow walls in carbon nanotubes for high-performance lithium ion batteries. <i>Carbon</i> , 2018, 133, 384-389.	10.3	32
29	Multicolor, Fluorescent Supercapacitor Fiber. <i>Small</i> , 2018, 14, e1702052.	10.0	30
30	A tactile sensing textile with bending-independent pressure perception and spatial acuity. <i>Carbon</i> , 2019, 149, 63-70.	10.3	30
31	A Novel Slicing Method for Thin Supercapacitors. <i>Advanced Materials</i> , 2016, 28, 6429-6435.	21.0	28
32	Amphiphilic core-sheath structured composite fiber for comprehensively performed supercapacitor. <i>Science China Materials</i> , 2019, 62, 955-964.	6.3	26
33	A perovskite solar cell textile that works at 40 to 160 °C. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5476-5483.	10.3	25
34	A biodegradable and rechargeable fiber battery. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10104-10109.	10.3	23
35	Effect of Gel Solution Concentration on the Structure and Properties of Gel-Spun Ultrahigh Molecular Weight Polyethylene Fibers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 8357-8363.	3.7	22
36	Hydrogel Cryo-Microtomy Continuously Making Soft Electronic Devices. <i>Advanced Functional Materials</i> , 2021, 31, 2008355.	14.9	19

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37	Stabilizing Lithium into Cross-Stacked Nanotube Sheets with an Ultra-High Specific Capacity for Lithium Oxygen Batteries. <i>Angewandte Chemie</i> , 2019, 131, 2459-2464.	2.0	18
38	Rechargeable Micro-Batteries for Wearable and Implantable Applications. <i>Small Structures</i> , 2022, 3, .	12.0	16
39	In Situ Intercalation of Bismuth into 3D Reduced Graphene Oxide Scaffolds for High Capacity and Long Cycle-Life Energy Storage. <i>Small</i> , 2019, 15, e1905903.	10.0	11
40	A One-Dimensional Fluidic Nanogenerator with a High Power Conversion Efficiency. <i>Angewandte Chemie</i> , 2017, 129, 13120-13125.	2.0	9
41	Epitaxial crystallization of precisely bromine-substituted polyethylene induced by carbon nanotubes and graphene. <i>RSC Advances</i> , 2017, 7, 17640-17649.	3.6	8
42	Programmable actuating systems based on swimming fiber robots. <i>Carbon</i> , 2018, 139, 241-247.	10.3	7
43	Lithium-Metal Anodes Working at $60\text{ mA cm}^{-2}$ and $60\text{ mAh cm}^{-2}$ through Nanoscale Lithium-Ion Adsorbing. <i>Angewandte Chemie</i> , 2021, 133, 17559-17565.	2.0	7
44	Enhanced cathode integrity for zinc-manganese oxide fiber batteries by a durable protective layer. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10201-10208.	10.3	7
45	High-Efficiency and Stable Li-CO <sub>2</sub> Battery Enabled by Carbon Nanotube/Carbon Nitride Heterostructured Photocathode. <i>Angewandte Chemie</i> , 0, , .	2.0	6
46	The Fabrication of Multifunctional SLIPS Films by Electrospinning. <i>ChemNanoMat</i> , 2017, 3, 869-873.	2.8	5
47	Boosting Cycling Stability and Rate Capability of Li-CO <sub>2</sub> Batteries via Synergistic Photoelectric Effect and Plasmonic Interaction. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4
48	Tailorable coaxial carbon nanocables with high storage capabilities. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22125-22130.	10.3	3
49	Regulating Interfacial Lithium Ion by Artificial Protective Overlayers for High-Performance Lithium Metal Anodes. <i>Chemistry - A European Journal</i> , 2021, , .	3.3	3
50	Frontispiece: Regulating Interfacial Lithium Ion by Artificial Protective Overlayers for High-Performance Lithium Metal Anodes. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	0