

# Meifang Zhu

## List of Publications by Year in descending order

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38  
papers

2,717  
citations

201385

27  
h-index

315357

38  
g-index

38  
all docs

38  
docs citations

38  
times ranked

3794  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic-Inorganic Hybrid Conductive Network to Enhance the Electrical Conductivity of Graphene-Hybridized Polymeric Fibers. <i>Chemistry of Materials</i> , 2022, 34, 2049-2058.	3.2	12
2	Ultrahigh line-capacity and flexible graphene/carbon nanotube/tin oxide fibers as sodium ion battery anodes. <i>Energy Storage Materials</i> , 2022, 48, 35-43.	9.5	40
3	Fiber Electronics Bring a New Generation of Acoustic Fabrics. <i>Advanced Fiber Materials</i> , 2022, 4, 321-323.	7.9	4
4	Fibrous aggregates: Amplifying aggregation-induced emission to boost health protection. <i>Biomaterials</i> , 2022, 287, 121666.	5.7	5
5	Heat induction in two-dimensional graphene-Fe <sub>3</sub> O <sub>4</sub> nanohybrids for magnetic hyperthermia applications with artificial neural network modeling. <i>RSC Advances</i> , 2021, 11, 21702-21715.	1.7	7
6	Smart fibers for energy conversion and storage. <i>Chemical Society Reviews</i> , 2021, 50, 7009-7061.	18.7	108
7	Fibers to power the future. <i>Joule</i> , 2021, 5, 2764-2765.	11.7	3
8	A Route Toward Smart System Integration: From Fiber Design to Device Construction. <i>Advanced Materials</i> , 2020, 32, e1902301.	11.1	116
9	A simple inorganic hybrids strategy for graphene fibers fabrication with excellent electrochemical performance. <i>Journal of Power Sources</i> , 2020, 450, 227637.	4.0	29
10	Scalable microgel spinning of a three-dimensional porous graphene fiber for high-performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25355-25362.	5.2	41
11	Melt Spinning of Low-Cost Activated Carbon Fiber with a Tunable Pore Structure for High-Performance Flexible Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020, 3, 9360-9368.	2.5	25
12	Lithium-ion battery fiber constructed by diverse-dimensional carbon nanomaterials. <i>Journal of Materials Science</i> , 2019, 54, 582-591.	1.7	20
13	Polyethylene glycol infused acid-etched halloysite nanotubes for melt-spun polyamide-based composite phase change fibers. <i>Applied Clay Science</i> , 2019, 182, 105249.	2.6	34
14	Perovskite Solar Fibers: Current Status, Issues and Challenges. <i>Advanced Fiber Materials</i> , 2019, 1, 101-125.	7.9	42
15	Critical insight: challenges and requirements of fibre electrodes for wearable electrochemical energy storage. <i>Energy and Environmental Science</i> , 2019, 12, 2148-2160.	15.6	104
16	Heterogeneous graphene/polypyrrole multilayered microtube with enhanced capacitance. <i>Electrochimica Acta</i> , 2019, 304, 378-385.	2.6	24
17	Three-Dimensional Porous Carbon Nanotubes/Reduced Graphene Oxide Fiber from Rapid Phase Separation for a High-Rate All-Solid-State Supercapacitor. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 9283-9290.	4.0	66
18	Fabric texture design for boosting the performance of a knitted washable textile triboelectric nanogenerator as wearable power. <i>Nano Energy</i> , 2019, 58, 375-383.	8.2	103

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19	A biomimetic nanofiber-based triboelectric nanogenerator with an ultrahigh transfer charge density. <i>Nano Energy</i> , 2018, 48, 464-470.	8.2	63
20	Highly flexible and shape-persistent graphene microtube and its application in supercapacitor. <i>Carbon</i> , 2018, 126, 419-425.	5.4	29
21	Robust, hydrophilic graphene/cellulose nanocrystal fiber-based electrode with high capacitive performance and conductivity. <i>Carbon</i> , 2018, 127, 218-227.	5.4	143
22	A sinusoidal alternating output of a triboelectric nanogenerator array with asymmetric-layer-based units. <i>Nanoscale</i> , 2018, 10, 13730-13736.	2.8	5
23	High-power triboelectric nanogenerator prepared from electrospun mats with spongy parenchyma-like structure. <i>Nano Energy</i> , 2017, 34, 69-75.	8.2	63
24	Shape-stabilized phase change materials with high phase change enthalpy based on synthetic comb-like poly(acrylonitrile-co-ethylene glycol) for thermal management. <i>Science China Chemistry</i> , 2017, 60, 1450-1457.	4.2	19
25	Enhanced Piezoelectric Performance of Electrospun Polyvinylidene Fluoride Doped with Inorganic Salts. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700214.	1.7	26
26	Use of regenerated cellulose to direct hetero-assembly of nanoparticles with carbon nanotubes for producing flexible battery anodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13944-13949.	5.2	28
27	Flexible all-solid-state asymmetric supercapacitor based on transition metal oxide nanorods/reduced graphene oxide hybrid fibers with high energy density. <i>Carbon</i> , 2017, 113, 151-158.	5.4	243
28	Ionic Liquid-Assisted Synthesis of TiO <sub>2</sub> -Carbon Hybrid Nanostructures for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 1338-1346.	7.8	97
29	Hierarchically porous carbon black/graphene hybrid fibers for high performance flexible supercapacitors. <i>RSC Advances</i> , 2016, 6, 50112-50118.	1.7	46
30	Conductive, tough, hydrophilic poly(vinyl alcohol)/graphene hybrid fibers for wearable supercapacitors. <i>Journal of Power Sources</i> , 2016, 319, 271-280.	4.0	105
31	Hydrophobic SiO <sub>2</sub> Electret Enhances the Performance of Poly(vinylidene fluoride) Nanofiber-Based Triboelectric Nanogenerator. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26600-26608.	1.5	31
32	Bottom-Up Fabrication of Activated Carbon Fiber for All-Solid-State Supercapacitor with Excellent Electrochemical Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 14622-14627.	4.0	117
33	Hierarchical MnO <sub>2</sub> nanowire/graphene hybrid fibers with excellent electrochemical performance for flexible solid-state supercapacitors. <i>Journal of Power Sources</i> , 2016, 306, 481-488.	4.0	246
34	Enhanced Power Output of a Triboelectric Nanogenerator Composed of Electrospun Nanofiber Mats Doped with Graphene Oxide. <i>Scientific Reports</i> , 2015, 5, 13942.	1.6	123
35	Scalable non-liquid-crystal spinning of locally aligned graphene fibers for high-performance wearable supercapacitors. <i>Nano Energy</i> , 2015, 15, 642-653.	8.2	172
36	Human walking-driven wearable all-fiber triboelectric nanogenerator containing electrospun polyvinylidene fluoride piezoelectric nanofibers. <i>Nano Energy</i> , 2015, 14, 226-235.	8.2	287

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37	Polyacrylic Acid Assisted Assembly of Oxide Particles and Carbon Nanotubes for High Performance Flexible Battery Anodes. <i>Advanced Energy Materials</i> , 2015, 5, 1401207.	10.2	27
38	Synthesis and characterization of an environmentally friendly PHBV/PEG copolymer network as a phase change material. <i>Science China Chemistry</i> , 2013, 56, 716-723.	4.2	64