Meifang Zhu

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Organic–Inorganic Hybrid Conductive Network to Enhance the Electrical Conductivity of Graphene-Hybridized Polymeric Fibers. Chemistry of Materials, 2022, 34, 2049-2058.	6.7	12
2	Ultrahigh line-capacity and flexible graphene/carbon nanotube/tin oxide fibers as sodium ion battery anodes. Energy Storage Materials, 2022, 48, 35-43.	18.0	40
3	Fiber Electronics Bring a New Generation of Acoustic Fabrics. Advanced Fiber Materials, 2022, 4, 321-323.	16.1	4
4	Fibrous aggregates: Amplifying aggregation-induced emission to boost health protection. Biomaterials, 2022, 287, 121666.	11.4	5
5	Heat induction in two-dimensional graphene–Fe ₃ O ₄ nanohybrids for magnetic hyperthermia applications with artificial neural network modeling. RSC Advances, 2021, 11, 21702-21715.	3.6	7
6	Smart fibers for energy conversion and storage. Chemical Society Reviews, 2021, 50, 7009-7061.	38.1	108
7	Fibers to power the future. Joule, 2021, 5, 2764-2765.	24.0	3
8	A Route Toward Smart System Integration: From Fiber Design to Device Construction. Advanced Materials, 2020, 32, e1902301.	21.0	116
9	A simple inorganic hybrids strategy for graphene fibers fabrication with excellent electrochemical performance. Journal of Power Sources, 2020, 450, 227637.	7.8	29
10	Scalable microgel spinning of a three-dimensional porous graphene fiber for high-performance flexible supercapacitors. Journal of Materials Chemistry A, 2020, 8, 25355-25362.	10.3	41
11	Melt Spinning of Low-Cost Activated Carbon Fiber with a Tunable Pore Structure for High-Performance Flexible Supercapacitors. ACS Applied Energy Materials, 2020, 3, 9360-9368.	5.1	25
12	Lithium-ion battery fiber constructed by diverse-dimensional carbon nanomaterials. Journal of Materials Science, 2019, 54, 582-591.	3.7	20
13	Polyethylene glycol infused acid-etched halloysite nanotubes for melt-spun polyamide-based composite phase change fibers. Applied Clay Science, 2019, 182, 105249.	5.2	34
14	Perovskite Solar Fibers: Current Status, Issues and Challenges. Advanced Fiber Materials, 2019, 1, 101-125.	16.1	42
15	Critical insight: challenges and requirements of fibre electrodes for wearable electrochemical energy storage. Energy and Environmental Science, 2019, 12, 2148-2160.	30.8	104
16	Heterogeneous graphene/polypyrrole multilayered microtube with enhanced capacitance. Electrochimica Acta, 2019, 304, 378-385.	5.2	24
17	Three-Dimensional Porous Carbon Nanotubes/Reduced Graphene Oxide Fiber from Rapid Phase Separation for a High-Rate All-Solid-State Supercapacitor. ACS Applied Materials & Interfaces, 2019, 11, 9283-9290.	8.0	66
18	Fabric texture design for boosting the performance of a knitted washable textile triboelectric nanogenerator as wearable power. Nano Energy, 2019, 58, 375-383.	16.0	103

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19	A biomimetic nanofiber-based triboelectric nanogenerator with an ultrahigh transfer charge density. Nano Energy, 2018, 48, 464-470.	16.0	63
20	Highly flexible and shape-persistent graphene microtube and its application in supercapacitor. Carbon, 2018, 126, 419-425.	10.3	29
21	Robust, hydrophilic graphene/cellulose nanocrystal fiber-based electrode with high capacitive performance and conductivity. Carbon, 2018, 127, 218-227.	10.3	143
22	A sinusoidal alternating output of a triboelectric nanogenerator array with asymmetric-layer-based units. Nanoscale, 2018, 10, 13730-13736.	5.6	5
23	High-power triboelectric nanogenerator prepared from electrospun mats with spongy parenchyma-like structure. Nano Energy, 2017, 34, 69-75.	16.0	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. Science China Chemistry, 2017, 60, 1450-1457.	8.2	19
25	Enhanced Piezoelectric Performance of Electrospun Polyvinylidene Fluoride Doped with Inorganic Salts. Macromolecular Materials and Engineering, 2017, 302, 1700214.	3.6	26
26	Use of regenerated cellulose to direct hetero-assembly of nanoparticles with carbon nanotubes for producing flexible battery anodes. Journal of Materials Chemistry A, 2017, 5, 13944-13949.	10.3	28
27	Flexible all-solid-state asymmetric supercapacitor based on transition metal oxide nanorods/reduced graphene oxide hybrid fibers with high energy density. Carbon, 2017, 113, 151-158.	10.3	243
28	lonic Liquidâ€Assisted Synthesis of TiO ₂ –Carbon Hybrid Nanostructures for Lithiumâ€lon Batteries. Advanced Functional Materials, 2016, 26, 1338-1346.	14.9	97
29	Hierarchically porous carbon black/graphene hybrid fibers for high performance flexible supercapacitors. RSC Advances, 2016, 6, 50112-50118.	3.6	46
30	Conductive, tough, hydrophilic poly(vinyl alcohol)/graphene hybrid fibers for wearable supercapacitors. Journal of Power Sources, 2016, 319, 271-280.	7.8	105
31	Hydrophobic SiO ₂ Electret Enhances the Performance of Poly(vinylidene fluoride) Nanofiber-Based Triboelectric Nanogenerator. Journal of Physical Chemistry C, 2016, 120, 26600-26608.	3.1	31
32	Bottom-Up Fabrication of Activated Carbon Fiber for All-Solid-State Supercapacitor with Excellent Electrochemical Performance. ACS Applied Materials & amp; Interfaces, 2016, 8, 14622-14627.	8.0	117
33	Hierarchical MnO2 nanowire/graphene hybrid fibers with excellent electrochemical performance for flexible solid-state supercapacitors. Journal of Power Sources, 2016, 306, 481-488.	7.8	246
34	Enhanced Power Output of a Triboelectric Nanogenerator Composed of Electrospun Nanofiber Mats Doped with Graphene Oxide. Scientific Reports, 2015, 5, 13942.	3.3	123
35	Scalable non-liquid-crystal spinning of locally aligned graphene fibers for high-performance wearable supercapacitors. Nano Energy, 2015, 15, 642-653.	16.0	172
36	Human walking-driven wearable all-fiber triboelectric nanogenerator containing electrospun polyvinylidene fluoride piezoelectric nanofibers. Nano Energy, 2015, 14, 226-235.	16.0	287

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37	Polyacrylic Acid Assisted Assembly of Oxide Particles and Carbon Nanotubes for Highâ€Performance Flexible Battery Anodes. Advanced Energy Materials, 2015, 5, 1401207.	19.5	27
38	Synthesis and characterization of an environmentally friendly PHBV/PEG copolymer network as a phase change material. Science China Chemistry, 2013, 56, 716-723.	8.2	64