

# Zhu Meifang

## List of Publications by Year in descending order

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357  
papers

20,046  
citations

13827

67  
h-index

15683

125  
g-index

362  
all docs

362  
docs citations

362  
times ranked

21999  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Mechanisms of Asymmetric Supercapacitors. <i>Chemical Reviews</i> , 2018, 118, 9233-9280.	23.0	2,379
2	Hydrophilic Cu <sub>9</sub> S <sub>5</sub> Nanocrystals: A Photothermal Agent with a 25.7% Heat Conversion Efficiency for Photothermal Ablation of Cancer Cells <i>in Vivo</i> . <i>ACS Nano</i> , 2011, 5, 9761-9771.	7.3	1,155
3	Hydrophilic Flower-Like CuS Superstructures as an Efficient 980 nm Laser-Driven Photothermal Agent for Ablation of Cancer Cells. <i>Advanced Materials</i> , 2011, 23, 3542-3547.	11.1	760
4	Ultrathin PEGylated W <sub>18</sub> O <sub>49</sub> Nanowires as a New 980 nm Laser-Driven Photothermal Agent for Efficient Ablation of Cancer Cells <i>In Vivo</i> . <i>Advanced Materials</i> , 2013, 25, 2095-2100.	11.1	370
5	Origami-inspired active graphene-based paper for programmable instant self-folding walking devices. <i>Science Advances</i> , 2015, 1, e1500533.	4.7	312
6	Experimental study on relationship between jet instability and formation of beaded fibers during electrospinning. <i>Polymer Engineering and Science</i> , 2005, 45, 704-709.	1.5	301
7	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
8	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
9	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
10	Efficient Supercapacitor Energy Storage Using Conjugated Microporous Polymer Networks Synthesized from Buchwald-Hartwig Coupling. <i>Advanced Materials</i> , 2018, 30, e1705710.	11.1	239
11	NIR-Laser-Switched <i>In Vivo</i> Smart Nanocapsules for Synergic Photothermal and Chemotherapy of Tumors. <i>Advanced Materials</i> , 2016, 28, 245-253.	11.1	226
12	Sheath-run artificial muscles. <i>Science</i> , 2019, 365, 150-155.	6.0	218
13	High clay content nanocomposite hydrogels with surprising mechanical strength and interesting deswelling kinetics. <i>Polymer</i> , 2006, 47, 1-5.	1.8	217
14	Hierarchical Photothermal Fabrics with Low Evaporation Enthalpy as Heliotropic Evaporators for Efficient, Continuous, Salt-Free Desalination. <i>ACS Nano</i> , 2021, 15, 13007-13018.	7.3	191
15	Continuously Producing Watersteam and Concentrated Brine from Seawater by Hanging Photothermal Fabrics under Sunlight. <i>Advanced Functional Materials</i> , 2019, 29, 1905485.	7.8	178
16	Flexible and Washable CNT-Embedded PAN Nonwoven Fabrics for Solar-Enabled Evaporation and Desalination of Seawater. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 35005-35014.	4.0	175
17	Encapsulation of Amoxicillin within Laponite-Doped Poly(lactic-co-glycolic acid) Nanofibers: Preparation, Characterization, and Antibacterial Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 6393-6401.	4.0	174
18	<i>In vitro</i> and <i>in vivo</i> studies of electroactive reduced graphene oxide-modified nanofiber scaffolds for peripheral nerve regeneration. <i>Acta Biomaterialia</i> , 2019, 84, 98-113.	4.1	174

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19	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
20	Superhydrophobic surface directly created by electrospinning based on hydrophilic material. <i>Journal of Materials Science</i> , 2006, 41, 3793-3797.	1.7	163
21	A Novel Highly Resilient Nanocomposite Hydrogel with Low Hysteresis and Ultrahigh Elongation. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1023-1028.	2.0	160
22	Molecular-channel driven actuator with considerations for multiple configurations and color switching. <i>Nature Communications</i> , 2018, 9, 590.	5.8	159
23	Highly sensitive and stretchable piezoresistive strain sensor based on conductive poly(styrene-butadiene-styrene)/few layer graphene composite fiber. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 105, 291-299.	3.8	157
24	Continuous polymer nanofiber yarns prepared by self-bundling electrospinning method. <i>Polymer</i> , 2008, 49, 2755-2761.	1.8	150
25	An Elastic Transparent Conductor Based on Hierarchically Wrinkled Reduced Graphene Oxide for Artificial Muscles and Sensors. <i>Advanced Materials</i> , 2016, 28, 9491-9497.	11.1	147
26	Polyester@MXene nanofibers-based yarn electrodes. <i>Journal of Power Sources</i> , 2018, 396, 683-690.	4.0	147
27	Progress and Perspective of Antiviral Protective Material. <i>Advanced Fiber Materials</i> , 2020, 2, 123-139.	7.9	146
28	Robust, hydrophilic graphene/cellulose nanocrystal fiber-based electrode with high capacitive performance and conductivity. <i>Carbon</i> , 2018, 127, 218-227.	5.4	143
29	Conductive Self-Healing Nanocomposite Hydrogel Skin Sensors with Antifreezing and Thermoresponsive Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 3068-3079.	4.0	140
30	Facile Fabrication of Uniform Core-Shell Structured Carbon Nanotube-Polyaniline Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5502-5507.	1.5	128
31	Reducing the formation of six-membered ring ester during thermal degradation of biodegradable PHBV to enhance its thermal stability. <i>Polymer Degradation and Stability</i> , 2009, 94, 18-24.	2.7	127
32	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
33	Inorganic Fillers for Dental Resin Composites: Present and Future. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1-11.	2.6	121
34	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
35	A Route Toward Smart System Integration: From Fiber Design to Device Construction. <i>Advanced Materials</i> , 2020, 32, e1902301.	11.1	116
36	Thiol-capped Bi nanoparticles as stable and all-in-one type theranostic nanoagents for tumor imaging and thermoradiotherapy. <i>Biomaterials</i> , 2018, 161, 279-291.	5.7	113

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37	Bacterial cellulose nanofibers promote stress and fidelity of 3D-printed silk based hydrogel scaffold with hierarchical pores. <i>Carbohydrate Polymers</i> , 2019, 221, 146-156.	5.1	113
38	Mechanically Strong and Multifunctional Hybrid Hydrogels with Ultrahigh Electrical Conductivity. <i>Advanced Functional Materials</i> , 2021, 31, 2104536.	7.8	113
39	Development of hydrophilic barrier layer on nanofibrous substrate as composite membrane via a facile route. <i>Journal of Membrane Science</i> , 2010, 356, 110-116.	4.1	111
40	“Stiff”-“Soft”-Binary Synergistic Aerogels with Superflexibility and High Thermal Insulation Performance. <i>Advanced Functional Materials</i> , 2019, 29, 1806407.	7.8	111
41	Smart fibers for energy conversion and storage. <i>Chemical Society Reviews</i> , 2021, 50, 7009-7061.	18.7	108
42	One-step synthesis of magnetically-functionalized reduced graphite sheets and their use in hydrogels. <i>Carbon</i> , 2011, 49, 47-53.	5.4	107
43	Efficient Extraction of Cellulose Nanocrystals through Hydrochloric Acid Hydrolysis Catalyzed by Inorganic Chlorides under Hydrothermal Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4656-4664.	3.2	106
44	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
45	Superior piezoresistive strain sensing behaviors of carbon nanotubes in one-dimensional polymer fiber structure. <i>Carbon</i> , 2018, 140, 1-9.	5.4	104
46	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
47	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
48	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
49	Near-Infrared-Triggered <i>in Situ</i> Gelation System for Repeatedly Enhanced Photothermal Brachytherapy with a Single Dose. <i>ACS Nano</i> , 2018, 12, 9412-9422.	7.3	95
50	Targeted tumor CT imaging using folic acid-modified PEGylated dendrimer-entrapped gold nanoparticles. <i>Polymer Chemistry</i> , 2013, 4, 4412.	1.9	93
51	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2020. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 1-67.	1.6	93
52	Modification and Potential Application of Short-Chain-Length Polyhydroxyalkanoate (SCL-PHA). <i>Polymers</i> , 2016, 8, 273.	2.0	87
53	Design and Synthesis of “All-in-One” Multifunctional FeS <sub>2</sub> Nanoparticles for Magnetic Resonance and Near-Infrared Imaging Guided Photothermal Therapy of Tumors. <i>Advanced Functional Materials</i> , 2016, 26, 8231-8242.	7.8	87
54	Effect of multi-walled carbon nanotubes on crystallization behavior of poly(3-hydroxybutyrate-co-3-hydroxyvalerate). <i>Colloid and Polymer Science</i> , 2011, 289, 1005-1014.	1.0	86

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55	Fabrication of a fibrous MnO <sub>2</sub> @MXene/CNT electrode for high-performance flexible supercapacitor. <i>Ceramics International</i> , 2020, 46, 11874-11881.	2.3	86
56	Nanoparticle-Polymer Synergies in Nanocomposite Hydrogels: From Design to Application. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800337.	2.0	85
57	Synthesis, Self-assembly, and Crystal Structure of a Shape-Persistent Polyhedral-Oligosilsesquioxane-Nanoparticle-Tethered Perylene Diimide. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4802-4810.	1.2	83
58	Dynamically tuning near-infrared-induced photothermal performances of TiO <sub>2</sub> nanocrystals by Nb doping for imaging-guided photothermal therapy of tumors. <i>Nanoscale</i> , 2017, 9, 9148-9159.	2.8	83
59	Low cost carbon fibers from bio-renewable Lignin/Poly(lactic acid) (PLA) blends. <i>Composites Science and Technology</i> , 2015, 119, 20-25.	3.8	81
60	Preparation of TiO <sub>2</sub> /Bi <sub>2</sub> WO <sub>6</sub> nanostructured heterojunctions on carbon fibers as a weaveable visible-light photocatalyst/photoelectrode. <i>Environmental Science: Nano</i> , 2018, 5, 327-337.	2.2	80
61	Hierarchical Interface Engineering for Advanced Nanocellulosic Hybrid Aerogels with High Compressibility and Multifunctionality. <i>Advanced Functional Materials</i> , 2021, 31, 2009349.	7.8	80
62	Characteristic Swelling-Deswelling of Polymer/Clay Nanocomposite Gels. <i>Macromolecules</i> , 2011, 44, 8516-8526.	2.2	79
63	Strong antibacterial dental resin composites containing cellulose nanocrystal/zinc oxide nanohybrids. <i>Journal of Dentistry</i> , 2019, 80, 23-29.	1.7	78
64	Unveiling Polyindole: Freestanding As-electrospun Polyindole Nanofibers and Polyindole/Carbon Nanotubes Composites as Enhanced Electrodes for Flexible All-solid-state Supercapacitors. <i>Electrochimica Acta</i> , 2017, 247, 400-409.	2.6	76
65	Unzipped Carbon Nanotube/Graphene Hybrid Fiber with Less "Dead Volume" for Ultrahigh Volumetric Energy Density Supercapacitors. <i>Advanced Functional Materials</i> , 2021, 31, 2100195.	7.8	76
66	Study on Phase-Change Characteristics of PET-PEG Copolymers. <i>Journal of Macromolecular Science - Physics</i> , 2006, 45, 615-621.	0.4	74
67	Multi-functional and highly conductive textiles with ultra-high durability through "green" fabrication process. <i>Chemical Engineering Journal</i> , 2021, 406, 127140.	6.6	72
68	Vapor sensing properties of thermoplastic polyurethane multifilament covered with carbon nanotube networks. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 63-70.	4.0	71
69	Facile in-situ fabrication of novel organic nanoparticle hydrogels with excellent mechanical properties. <i>Journal of Materials Chemistry</i> , 2009, 19, 7340.	6.7	68
70	Programmable responsive shaping behavior induced by visible multi-dimensional gradients of magnetic nanoparticles. <i>Soft Matter</i> , 2012, 8, 3295.	1.2	66
71	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
72	Functional fillers for dental resin composites. <i>Acta Biomaterialia</i> , 2021, 122, 50-65.	4.1	66

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73	Polymer grafted hydroxyapatite whisker as a filler for dental composite resin with enhanced physical and mechanical properties. <i>Materials Science and Engineering C</i> , 2013, 33, 4994-5000.	3.8	65
74	A crosslinking alkylation strategy to construct nitrogen-enriched tetraphenylmethane-based porous organic polymers as efficient carbon dioxide and iodine adsorbents. <i>Chemical Engineering Journal</i> , 2020, 382, 122998.	6.6	65
75	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
76	High-power triboelectric nanogenerator prepared from electrospun mats with spongy parenchyma-like structure. <i>Nano Energy</i> , 2017, 34, 69-75.	8.2	63
77	A biomimetic nanofiber-based triboelectric nanogenerator with an ultrahigh transfer charge density. <i>Nano Energy</i> , 2018, 48, 464-470.	8.2	63
78	Low pressure UV-cured CSâ€PEOâ€PTEGDMA/PAN thin film nanofibrous composite nanofiltration membranes for anionic dye separation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15575-15588.	5.2	62
79	The assembly of dendrimer-stabilized gold nanoparticles onto electrospun polymer nanofibers for catalytic applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2323.	5.2	61
80	Ultrasound-Mediated Remotely Controlled Nanovaccine Delivery for Tumor Vaccination and Individualized Cancer Immunotherapy. <i>Nano Letters</i> , 2021, 21, 1228-1237.	4.5	61
81	Mechanical properties of dental resin composites by co-filling diatomite and nanosized silica particles. <i>Materials Science and Engineering C</i> , 2011, 31, 600-605.	3.8	60
82	Investigation on the physicalâ€mechanical properties of dental resin composites reinforced with novel bimodal silica nanostructures. <i>Materials Science and Engineering C</i> , 2015, 50, 266-273.	3.8	60
83	Self-reinforcement of Light, Temperature-Resistant Silica Nanofibrous Aerogels with Tunable Mechanical Properties. <i>Advanced Fiber Materials</i> , 2020, 2, 338-347.	7.9	58
84	Temperatureâ€and pHâ€Sensitive Nanocomposite Gels with Semiâ€Interpenetrating Organic/Inorganic Networks. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 1564-1575.	1.1	57
85	Materials interaction in aggregation-induced emission (AIE)-based fluorescent resin for smart coatings. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12849-12857.	2.7	57
86	Conjugated Microporous Polymer Network Grafted Carbon Nanotube Fibers with Tunable Redox Activity for Efficient Flexible Wearable Energy Storage. <i>Chemistry of Materials</i> , 2020, 32, 8276-8285.	3.2	57
87	Spider Silkâ€Inspired Artificial Fibers. <i>Advanced Science</i> , 2022, 9, e2103965.	5.6	57
88	Enhancing the Electrochemical Performance of Sodiumâ€Ion Batteries by Building Optimized NiS <sub>2</sub> /NiSe <sub>2</sub> Heterostructures. <i>Small</i> , 2021, 17, e2104186.	5.2	56
89	From crystals to columnar liquid crystal phases: molecular design, synthesis and phase structure characterization of a series of novel phenazines potentially useful in photovoltaic applications. <i>Soft Matter</i> , 2010, 6, 100-112.	1.2	55
90	Strong and bioactive dental resin composite containing poly(Bis-GMA) grafted hydroxyapatite whiskers and silica nanoparticles. <i>Composites Science and Technology</i> , 2014, 101, 86-93.	3.8	55

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91	A bottom-up approach to design wearable and stretchable smart fibers with organic vapor sensing behaviors and energy storage properties. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13633-13643.	5.2	55
92	Mechanical properties of dental resin/composite containing urchin-like hydroxyapatite. <i>Dental Materials</i> , 2014, 30, 1358-1368.	1.6	54
93	Thermal depolymerization mechanisms of poly(3-hydroxybutyrate-co-3-hydroxyvalerate). <i>Progress in Natural Science: Materials International</i> , 2016, 26, 58-64.	1.8	54
94	Multifunctional fabrics of carbon nanotube fibers. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8790-8797.	5.2	54
95	Wear behavior of light-cured resin composites with bimodal silica nanostructures as fillers. <i>Materials Science and Engineering C</i> , 2013, 33, 4759-4766.	3.8	53
96	Highly Strong and Elastic Graphene Fibres Prepared from Universal Graphene Oxide Precursors. <i>Scientific Reports</i> , 2014, 4, 4248.	1.6	53
97	Low shrinkage light curable dental nanocomposites using SiO <sub>2</sub> microspheres as fillers. <i>Materials Science and Engineering C</i> , 2012, 32, 2115-2121.	3.8	52
98	Swelling behavior of thermosensitive nanocomposite hydrogels composed of oligo(ethylene glycol) methacrylates and clay. <i>European Polymer Journal</i> , 2015, 69, 472-482.	2.6	51
99	A Bioinspired Swimming and Walking Hydrogel Driven by Light-Controlled Local Density. <i>Advanced Science</i> , 2015, 2, 1500084.	5.6	50
100	A Novel Nanocomposite Hydrogel with Precisely Tunable UCST and LCST. <i>Macromolecular Rapid Communications</i> , 2015, 36, 477-482.	2.0	50
101	Surprising conversion of nanocomposite hydrogels with high mechanical strength by posttreatment: From a low swelling ratio to an ultrahigh swelling ratio. <i>Journal of Polymer Science Part A</i> , 2006, 44, 6640-6645.	2.5	49
102	TREM <sub>2</sub> Promotes Macrophage-Mediated Eradication of <i>Pseudomonas aeruginosa</i> via a PI3K/Akt Pathway. <i>Scandinavian Journal of Immunology</i> , 2014, 79, 187-196.	1.3	47
103	Surface Self-Assembly of Functional Electroactive Nanofibers on Textile Yarns as a Facile Approach toward Super Flexible Energy Storage. <i>ACS Applied Energy Materials</i> , 2018, 1, 377-386.	2.5	47
104	Hierarchically porous carbon black/graphene hybrid fibers for high performance flexible supercapacitors. <i>RSC Advances</i> , 2016, 6, 50112-50118.	1.7	46
105	Polypyrrole-coated carbon nanotube/cotton hybrid fabric with high areal capacitance for flexible quasi-solid-state supercapacitors. <i>Energy Storage Materials</i> , 2020, 33, 11-17.	9.5	46
106	Controlled synergistic strategy to fabricate 3D-skeletal hetero-nanosponges with high performance for flexible energy storage applications. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21114-21121.	5.2	44
107	Continuous fabrication of cellulose nanocrystal/poly(ethylene glycol) diacrylate hydrogel fiber from nanocomposite dispersion: Rheology, preparation and characterization. <i>Polymer</i> , 2017, 123, 55-64.	1.8	44
108	Antibacterial finishing of cotton fabrics based on thiol-maleimide click chemistry. <i>Cellulose</i> , 2018, 25, 3179-3188.	2.4	44



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109	Construction of continuous hollow silica aerogel fibers with hierarchical pores and excellent adsorption performance. <i>Microporous and Mesoporous Materials</i> , 2019, 273, 294-296.	2.2	44
110	Dopant-dependent crystallization and photothermal effect of Sb-doped SnO <sub>2</sub> nanoparticles as stable theranostic nanoagents for tumor ablation. <i>Nanoscale</i> , 2018, 10, 2542-2554.	2.8	43
111	Flexible poly(styrene-butadiene-styrene)/carbon nanotube fiber based vapor sensors with high sensitivity, wide detection range, and fast response. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 896-904.	4.0	43
112	High specific capacitance cotton fiber electrode enhanced with PPy and MXene by in situ hybrid polymerization. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 1063-1071.	3.6	43
113	Engineering $\pi$ - $\pi$ interactions for enhanced photoluminescent properties: unique discrete dimeric packing of perylene diimides. <i>RSC Advances</i> , 2017, 7, 6530-6537.	1.7	42
114	Synthesis of core-shell structured ZnO@m-SiO <sub>2</sub> with excellent reinforcing effect and antimicrobial activity for dental resin composites. <i>Dental Materials</i> , 2018, 34, 1846-1855.	1.6	42
115	Perovskite Solar Fibers: Current Status, Issues and Challenges. <i>Advanced Fiber Materials</i> , 2019, 1, 101-125.	7.9	42
116	Strong, high stretchable and ultrasensitive SEBS/CNTs hybrid fiber for high-performance strain sensor. <i>Composites Communications</i> , 2021, 25, 100735.	3.3	42
117	Intriguing anti-superbug Cu <sub>2</sub> O@ZrP hybrid nanosheet with enhanced antibacterial performance and weak cytotoxicity. <i>Nano Research</i> , 2019, 12, 1453-1460.	5.8	41
118	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
119	Flexible Solar Yarns with 15.7% Power Conversion Efficiency, Based on Electrospun Perovskite Composite Nanofibers. <i>Solar Rrl</i> , 2020, 4, 2000269.	3.1	41
120	Green approach to fabricate Polyindole composite nanofibers for energy and sensor applications. <i>Materials Letters</i> , 2017, 209, 400-403.	1.3	40
121	Facile Synthesis of Nitrogen-Rich Porous Organic Polymers for Latent Heat Energy Storage. <i>ACS Applied Energy Materials</i> , 2018, 1, 6535-6540.	2.5	40
122	Ultralow Resistance Two-Stage Electrostatically Assisted Air Filtration by Polydopamine Coated PET Coarse Filter. <i>Small</i> , 2021, 17, e2102051.	5.2	40
123	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2021. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 275-301.	1.6	40
124	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
125	Modification of Nanocomposite Gels by Irreversible Rearrangement of Polymer/Clay Network Structure through Drying. <i>Macromolecules</i> , 2010, 43, 9848-9853.	2.2	39
126	Blue Te Nanoneedles with Strong NIR Photothermal and Laser-Enhanced Anticancer Effects as $\alpha$ -All $\alpha$ -One $\alpha$ -Nanoagents for Synergistic Thermal $\alpha$ -Chemotherapy of Tumors. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800643.	3.9	39



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127	Transforming a Sword into a Knife: Persistent Phototoxicity Inhibition and Alternative Therapeutical Activation of Highly-Photosensitive Phytochlorin. <i>ACS Nano</i> , 2021, 15, 19793-19805.	7.3	38
128	Flexible Ceramic Fibers: Recent Development in Preparation and Application. <i>Advanced Fiber Materials</i> , 2022, 4, 573-603.	7.9	38
129	On-demand assembly of polymeric nanoparticles for longer-blood-circulation and disassembly in tumor for boosting sonodynamic therapy. <i>Bioactive Materials</i> , 2022, 18, 242-253.	8.6	38
130	Nanostructured polyaniline/poly(styrene-butadiene-styrene) composite fiber for use as highly sensitive and flexible ammonia sensor. <i>Synthetic Metals</i> , 2017, 233, 86-93.	2.1	37
131	Electromagnetic wave absorption polyimide fabric prepared by coating with core-shell $\text{NiFe}_2\text{O}_4/\text{PANI}$ nanoparticles. <i>RSC Advances</i> , 2017, 7, 42891-42899.	1.7	37
132	One Responsive Stone, Three Birds: Mn(III) Hemoporphin Frameworks with Glutathione-Enhanced Degradation, MRI, and Sonodynamic Therapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001463.	3.9	37
133	Trap Distribution and Conductivity Synergic Optimization of High-Performance Triboelectric Nanogenerators for Self-Powered Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 2566-2575.	4.0	37
134	Expanded conformation of macromolecular chain in polyaniline with one-dimensional nanostructure prepared by interfacial polymerization. <i>Applied Physics Letters</i> , 2006, 89, 103110.	1.5	36
135	Integrated dynamic wet spinning of core-sheath hydrogel fibers for optical-to-brain/tissue communications. <i>National Science Review</i> , 2021, 8, nwaa209.	4.6	36
136	Solid-state intramolecular motions in continuous fibers driven by ambient humidity for fluorescent sensors. <i>National Science Review</i> , 2021, 8, nwaa135.	4.6	36
137	Anchoring alpha-manganese oxide nanocrystallites on multi-walled carbon nanotubes as electrode materials for supercapacitor. <i>Journal of Nanoparticle Research</i> , 2010, 12, 2349-2353.	0.8	35
138	Egg white-mediated green synthesis of CuS quantum dots as a biocompatible and efficient 980 nm laser-driven photothermal agent. <i>RSC Advances</i> , 2016, 6, 40480-40488.	1.7	35
139	Chemical Vapor Deposition Mediated Phase Engineering for 2D Transition Metal Dichalcogenides: Strategies and Applications. <i>Small Science</i> , 2022, 2, 2100047.	5.8	35
140	Preparation of PA6/nano titanium dioxide( $\text{TiO}_2$ ) composites and their spinnability. <i>Macromolecular Symposia</i> , 2004, 210, 251-261.	0.4	34
141	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
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