Zhu Meifang

List of Publications by Year in descending order

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ΖΗΠ ΜΕΙΕΛΝΟ

#	Article	IF	CITATIONS
1	Design and Mechanisms of Asymmetric Supercapacitors. Chemical Reviews, 2018, 118, 9233-9280.	47.7	2,379
2	Hydrophilic Cu ₉ S ₅ Nanocrystals: A Photothermal Agent with a 25.7% Heat Conversion Efficiency for Photothermal Ablation of Cancer Cells <i>in Vivo</i> . ACS Nano, 2011, 5, 9761-9771.	14.6	1,155
3	Hydrophilic Flowerâ€Like CuS Superstructures as an Efficient 980 nm Laserâ€Driven Photothermal Agent for Ablation of Cancer Cells. Advanced Materials, 2011, 23, 3542-3547.	21.0	760
4	Ultrathin PEGylated W ₁₈ O ₄₉ Nanowires as a New 980 nm‣aserâ€Driven Photothermal Agent for Efficient Ablation of Cancer Cells In Vivo. Advanced Materials, 2013, 25, 2095-2100.	21.0	370
5	Origami-inspired active graphene-based paper for programmable instant self-folding walking devices. Science Advances, 2015, 1, e1500533.	10.3	312
6	Experimental study on relationship between jet instability and formation of beaded fibers during electrospinning. Polymer Engineering and Science, 2005, 45, 704-709.	3.1	301
7	Human walking-driven wearable all-fiber triboelectric nanogenerator containing electrospun polyvinylidene fluoride piezoelectric nanofibers. Nano Energy, 2015, 14, 226-235.	16.0	287
8	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
9	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
10	Efficient Supercapacitor Energy Storage Using Conjugated Microporous Polymer Networks Synthesized from Buchwald–Hartwig Coupling. Advanced Materials, 2018, 30, e1705710.	21.0	239
11	NIRâ€Laserâ€Switched In Vivo Smart Nanocapsules for Synergic Photothermal and Chemotherapy of Tumors. Advanced Materials, 2016, 28, 245-253.	21.0	226
12	Sheath-run artificial muscles. Science, 2019, 365, 150-155.	12.6	218
13	High clay content nanocomposite hydrogels with surprising mechanical strength and interesting deswelling kinetics. Polymer, 2006, 47, 1-5.	3.8	217
14	Hierarchical Photothermal Fabrics with Low Evaporation Enthalpy as Heliotropic Evaporators for Efficient, Continuous, Salt-Free Desalination. ACS Nano, 2021, 15, 13007-13018.	14.6	191
15	Continuously Producing Watersteam and Concentrated Brine from Seawater by Hanging Photothermal Fabrics under Sunlight. Advanced Functional Materials, 2019, 29, 1905485.	14.9	178
16	Flexible and Washable CNT-Embedded PAN Nonwoven Fabrics for Solar-Enabled Evaporation and Desalination of Seawater. ACS Applied Materials & amp; Interfaces, 2019, 11, 35005-35014.	8.0	175
17	Encapsulation of Amoxicillin within Laponite-Doped Poly(lactic- <i>co</i> -glycolic acid) Nanofibers: Preparation, Characterization, and Antibacterial Activity. ACS Applied Materials & amp; Interfaces, 2012, 4, 6393-6401.	8.0	174
18	In vitro and in vivo studies of electroactive reduced graphene oxide-modified nanofiber scaffolds for peripheral nerve regeneration. Acta Biomaterialia, 2019, 84, 98-113.	8.3	174

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19	Scalable non-liquid-crystal spinning of locally aligned graphene fibers for high-performance wearable supercapacitors. Nano Energy, 2015, 15, 642-653.	16.0	172
20	Superhydrophobic surface directly created by electrospinning based on hydrophilic material. Journal of Materials Science, 2006, 41, 3793-3797.	3.7	163
21	A Novel Highly Resilient Nanocomposite Hydrogel with Low Hysteresis and Ultrahigh Elongation. Macromolecular Rapid Communications, 2006, 27, 1023-1028.	3.9	160
22	Molecular-channel driven actuator with considerations for multiple configurations and color switching. Nature Communications, 2018, 9, 590.	12.8	159
23	Highly sensitive and stretchable piezoresistive strain sensor based on conductive poly(styrene-butadiene-styrene)/few layer graphene composite fiber. Composites Part A: Applied Science and Manufacturing, 2018, 105, 291-299.	7.6	157
24	Continuous polymer nanofiber yarns prepared by self-bundling electrospinning method. Polymer, 2008, 49, 2755-2761.	3.8	150
25	An Elastic Transparent Conductor Based on Hierarchically Wrinkled Reduced Graphene Oxide for Artificial Muscles and Sensors. Advanced Materials, 2016, 28, 9491-9497.	21.0	147
26	Polyester@MXene nanofibers-based yarn electrodes. Journal of Power Sources, 2018, 396, 683-690.	7.8	147
27	Progress and Perspective of Antiviral Protective Material. Advanced Fiber Materials, 2020, 2, 123-139.	16.1	146
28	Robust, hydrophilic graphene/cellulose nanocrystal fiber-based electrode with high capacitive performance and conductivity. Carbon, 2018, 127, 218-227.	10.3	143
29	Conductive Self-Healing Nanocomposite Hydrogel Skin Sensors with Antifreezing and Thermoresponsive Properties. ACS Applied Materials & Interfaces, 2020, 12, 3068-3079.	8.0	140
30	Facile Fabrication of Uniform Coreâ^'Shell Structured Carbon Nanotubeâ^'Polyaniline Nanocomposites. Journal of Physical Chemistry C, 2009, 113, 5502-5507.	3.1	128
31	Reducing the formation of six-membered ring ester during thermal degradation of biodegradable PHBV to enhance its thermal stability. Polymer Degradation and Stability, 2009, 94, 18-24.	5.8	127
32	Enhanced Power Output of a Triboelectric Nanogenerator Composed of Electrospun Nanofiber Mats Doped with Graphene Oxide. Scientific Reports, 2015, 5, 13942.	3.3	123
33	Inorganic Fillers for Dental Resin Composites: Present and Future. ACS Biomaterials Science and Engineering, 2016, 2, 1-11.	5.2	121
34	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
35	A Route Toward Smart System Integration: From Fiber Design to Device Construction. Advanced Materials, 2020, 32, e1902301.	21.0	116
36	Thiol-capped Bi nanoparticles as stable and all-in-one type theranostic nanoagents for tumor imaging and thermoradiotherapy. Biomaterials, 2018, 161, 279-291.	11.4	113

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37	Bacterial cellulose nanofibers promote stress and fidelity of 3D-printed silk based hydrogel scaffold with hierarchical pores. Carbohydrate Polymers, 2019, 221, 146-156.	10.2	113
38	Mechanically Strong and Multifunctional Hybrid Hydrogels with Ultrahigh Electrical Conductivity. Advanced Functional Materials, 2021, 31, 2104536.	14.9	113
39	Development of hydrophilic barrier layer on nanofibrous substrate as composite membrane via a facile route. Journal of Membrane Science, 2010, 356, 110-116.	8.2	111
40	"Stiff–Soft―Binary Synergistic Aerogels with Superflexibility and High Thermal Insulation Performance. Advanced Functional Materials, 2019, 29, 1806407.	14.9	111
41	Smart fibers for energy conversion and storage. Chemical Society Reviews, 2021, 50, 7009-7061.	38.1	108
42	One-step synthesis of magnetically-functionalized reduced graphite sheets and their use in hydrogels. Carbon, 2011, 49, 47-53.	10.3	107
43	Efficient Extraction of Cellulose Nanocrystals through Hydrochloric Acid Hydrolysis Catalyzed by Inorganic Chlorides under Hydrothermal Conditions. ACS Sustainable Chemistry and Engineering, 2017, 5, 4656-4664.	6.7	106
44	Conductive, tough, hydrophilic poly(vinyl alcohol)/graphene hybrid fibers for wearable supercapacitors. Journal of Power Sources, 2016, 319, 271-280.	7.8	105
45	Superior piezoresistive strain sensing behaviors of carbon nanotubes in one-dimensional polymer fiber structure. Carbon, 2018, 140, 1-9.	10.3	104
46	Critical insight: challenges and requirements of fibre electrodes for wearable electrochemical energy storage. Energy and Environmental Science, 2019, 12, 2148-2160.	30.8	104
47	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
48	Ionic Liquidâ€Assisted Synthesis of TiO ₂ –Carbon Hybrid Nanostructures for Lithiumâ€lon Batteries. Advanced Functional Materials, 2016, 26, 1338-1346.	14.9	97
49	Near-Infrared-Triggered <i>in Situ</i> Gelation System for Repeatedly Enhanced Photothermal Brachytherapy with a Single Dose. ACS Nano, 2018, 12, 9412-9422.	14.6	95
50	Targeted tumor CT imaging using folic acid-modified PEGylated dendrimer-entrapped gold nanoparticles. Polymer Chemistry, 2013, 4, 4412.	3.9	93
51	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2020. Photochemical and Photobiological Sciences, 2021, 20, 1-67.	2.9	93
52	Modification and Potential Application of Short-Chain-Length Polyhydroxyalkanoate (SCL-PHA). Polymers, 2016, 8, 273.	4.5	87
53	Design and Synthesis of "Allâ€inâ€One―Multifunctional FeS ₂ Nanoparticles for Magnetic Resonance and Nearâ€infrared Imaging Guided Photothermal Therapy of Tumors. Advanced Functional Materials, 2016, 26, 8231-8242.	14.9	87
54	Effect of multi-walled carbon nanotubes on crystallization behavior of poly(3-hydroxybutyrate-co-3-hydroxyvalerate). Colloid and Polymer Science, 2011, 289, 1005-1014.	2.1	86

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55	Fabrication of a fibrous MnO2@MXene/CNT electrode for high-performance flexible supercapacitor. Ceramics International, 2020, 46, 11874-11881.	4.8	86
56	Nanoparticle–Polymer Synergies in Nanocomposite Hydrogels: From Design to Application. Macromolecular Rapid Communications, 2018, 39, e1800337.	3.9	85
57	Synthesis, Self-assembly, and Crystal Structure of a Shape-Persistent Polyhedral-Oligosilsesquioxane-Nanoparticle-Tethered Perylene Diimide. Journal of Physical Chemistry B, 2010, 114, 4802-4810.	2.6	83
58	Dynamically tuning near-infrared-induced photothermal performances of TiO ₂ nanocrystals by Nb doping for imaging-guided photothermal therapy of tumors. Nanoscale, 2017, 9, 9148-9159.	5.6	83
59	Low cost carbon fibers from bio-renewable Lignin/Poly(lactic acid) (PLA) blends. Composites Science and Technology, 2015, 119, 20-25.	7.8	81
60	Preparation of TiO ₂ /Bi ₂ WO ₆ nanostructured heterojunctions on carbon fibers as a weaveable visible-light photocatalyst/photoelectrode. Environmental Science: Nano, 2018, 5, 327-337.	4.3	80
61	Hierarchical Interface Engineering for Advanced Nanocellulosic Hybrid Aerogels with High Compressibility and Multifunctionality. Advanced Functional Materials, 2021, 31, 2009349.	14.9	80
62	Characteristic Swelling–Deswelling of Polymer/Clay Nanocomposite Gels. Macromolecules, 2011, 44, 8516-8526.	4.8	79
63	Strong antibacterial dental resin composites containing cellulose nanocrystal/zinc oxide nanohybrids. Journal of Dentistry, 2019, 80, 23-29.	4.1	78
64	Unveiling Polyindole: Freestanding As-electrospun Polyindole Nanofibers and Polyindole/Carbon Nanotubes Composites as Enhanced Electrodes for Flexible All-solid-state Supercapacitors. Electrochimica Acta, 2017, 247, 400-409.	5.2	76
65	Unzipped Carbon Nanotube/Graphene Hybrid Fiber with Less "Dead Volume―for Ultrahigh Volumetric Energy Density Supercapacitors. Advanced Functional Materials, 2021, 31, 2100195.	14.9	76
66	Study on Phaseâ€Change Characteristics of PETâ€PEG Copolymers. Journal of Macromolecular Science - Physics, 2006, 45, 615-621.	1.0	74
67	Multi-functional and highly conductive textiles with ultra-high durability through †̃green' fabrication process. Chemical Engineering Journal, 2021, 406, 127140.	12.7	72
68	Vapor sensing properties of thermoplastic polyurethane multifilament covered with carbon nanotube networks. Sensors and Actuators B: Chemical, 2011, 156, 63-70.	7.8	71
69	Facile in-situ fabrication of novel organic nanoparticle hydrogels with excellent mechanical properties. Journal of Materials Chemistry, 2009, 19, 7340.	6.7	68
70	Programmable responsive shaping behavior induced by visible multi-dimensional gradients of magnetic nanoparticles. Soft Matter, 2012, 8, 3295.	2.7	66
71	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
72	Functional fillers for dental resin composites. Acta Biomaterialia, 2021, 122, 50-65.	8.3	66

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73	Polymer grafted hydroxyapatite whisker as a filler for dental composite resin with enhanced physical and mechanical properties. Materials Science and Engineering C, 2013, 33, 4994-5000.	7.3	65
74	A crosslinking alkylation strategy to construct nitrogen-enriched tetraphenylmethane-based porous organic polymers as efficient carbon dioxide and iodine adsorbents. Chemical Engineering Journal, 2020, 382, 122998.	12.7	65
75	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
76	High-power triboelectric nanogenerator prepared from electrospun mats with spongy parenchyma-like structure. Nano Energy, 2017, 34, 69-75.	16.0	63
77	A biomimetic nanofiber-based triboelectric nanogenerator with an ultrahigh transfer charge density. Nano Energy, 2018, 48, 464-470.	16.0	63
78	Low pressure UV-cured CS–PEO–PTEGDMA/PAN thin film nanofibrous composite nanofiltration membranes for anionic dye separation. Journal of Materials Chemistry A, 2016, 4, 15575-15588.	10.3	62
79	The assembly of dendrimer-stabilized gold nanoparticles onto electrospun polymer nanofibers for catalytic applications. Journal of Materials Chemistry A, 2014, 2, 2323.	10.3	61
80	Ultrasound-Mediated Remotely Controlled Nanovaccine Delivery for Tumor Vaccination and Individualized Cancer Immunotherapy. Nano Letters, 2021, 21, 1228-1237.	9.1	61
81	Mechanical properties of dental resin composites by co-filling diatomite and nanosized silica particles. Materials Science and Engineering C, 2011, 31, 600-605.	7.3	60
82	Investigation on the physical–mechanical properties of dental resin composites reinforced with novel bimodal silica nanostructures. Materials Science and Engineering C, 2015, 50, 266-273.	7.3	60
83	Self-reinforcement of Light, Temperature-Resistant Silica Nanofibrous Aerogels with Tunable Mechanical Properties. Advanced Fiber Materials, 2020, 2, 338-347.	16.1	58
84	Temperature―and pHâ€Sensitive Nanocomposite Gels with Semiâ€Interpenetrating Organic/Inorganic Networks. Macromolecular Chemistry and Physics, 2008, 209, 1564-1575.	2.2	57
85	Materials interaction in aggregation-induced emission (AIE)-based fluorescent resin for smart coatings. Journal of Materials Chemistry C, 2018, 6, 12849-12857.	5.5	57
86	Conjugated Microporous Polymer Network Grafted Carbon Nanotube Fibers with Tunable Redox Activity for Efficient Flexible Wearable Energy Storage. Chemistry of Materials, 2020, 32, 8276-8285.	6.7	57
87	Spider Silkâ€Inspired Artificial Fibers. Advanced Science, 2022, 9, e2103965.	11.2	57
88	Enhancing the Electrochemical Performance of Sodiumâ€lon Batteries by Building Optimized NiS ₂ /NiSe ₂ Heterostructures. Small, 2021, 17, e2104186.	10.0	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. Soft Matter, 2010, 6, 100-112.	2.7	55
90	Strong and bioactive dental resin composite containing poly(Bis-GMA) grafted hydroxyapatite whiskers and silica nanoparticles. Composites Science and Technology, 2014, 101, 86-93.	7.8	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. Journal of Materials Chemistry A, 2018, 6, 13633-13643.	10.3	55
92	Mechanical properties of dental resin/composite containing urchin-like hydroxyapatite. Dental Materials, 2014, 30, 1358-1368.	3.5	54
93	Thermal depolymerization mechanisms of poly(3-hydroxybutyrate-co-3-hydroxyvalerate). Progress in Natural Science: Materials International, 2016, 26, 58-64.	4.4	54
94	Multifunctional fabrics of carbon nanotube fibers. Journal of Materials Chemistry A, 2019, 7, 8790-8797.	10.3	54
95	Wear behavior of light-cured resin composites with bimodal silica nanostructures as fillers. Materials Science and Engineering C, 2013, 33, 4759-4766.	7.3	53
96	Highly Strong and Elastic Graphene Fibres Prepared from Universal Graphene Oxide Precursors. Scientific Reports, 2014, 4, 4248.	3.3	53
97	Low shrinkage light curable dental nanocomposites using SiO2 microspheres as fillers. Materials Science and Engineering C, 2012, 32, 2115-2121.	7.3	52
98	Swelling behavior of thermosensitive nanocomposite hydrogels composed of oligo(ethylene glycol) methacrylates and clay. European Polymer Journal, 2015, 69, 472-482.	5.4	51
99	A Bioinspired Swimming and Walking Hydrogel Driven by Lightâ€Controlled Local Density. Advanced Science, 2015, 2, 1500084.	11.2	50
100	A Novel Nanocomposite Hydrogel with Precisely Tunable UCST and LCST. Macromolecular Rapid Communications, 2015, 36, 477-482.	3.9	50
101	Surprising conversion of nanocomposite hydrogels with high mechanical strength by posttreatment: From a low swelling ratio to an ultrahigh swelling ratio. Journal of Polymer Science Part A, 2006, 44, 6640-6645.	2.3	49
102	TREMâ€2 Promotes Macrophageâ€Mediated Eradication of <i>Pseudomonas aeruginosa</i> via a PI3K/Akt Pathway. Scandinavian Journal of Immunology, 2014, 79, 187-196.	2.7	47
103	Surface Self-Assembly of Functional Electroactive Nanofibers on Textile Yarns as a Facile Approach toward Super Flexible Energy Storage. ACS Applied Energy Materials, 2018, 1, 377-386.	5.1	47
104	Hierarchically porous carbon black/graphene hybrid fibers for high performance flexible supercapacitors. RSC Advances, 2016, 6, 50112-50118.	3.6	46
105	Polypyrrole-coated carbon nanotube/cotton hybrid fabric with high areal capacitance for flexible quasi-solid-state supercapacitors. Energy Storage Materials, 2020, 33, 11-17.	18.0	46
106	Controlled synergistic strategy to fabricate 3D-skeletal hetero-nanosponges with high performance for flexible energy storage applications. Journal of Materials Chemistry A, 2017, 5, 21114-21121.	10.3	44
107	Continuous fabrication of cellulose nanocrystal/poly(ethylene glycol) diacrylate hydrogel fiber from nanocomposite dispersion: Rheology, preparation and characterization. Polymer, 2017, 123, 55-64.	3.8	44
108	Antibacterial finishing of cotton fabrics based on thiol-maleimide click chemistry. Cellulose, 2018, 25, 3179-3188.	4.9	44

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109	Construction of continuous hollow silica aerogel fibers with hierarchical pores and excellent adsorption performance. Microporous and Mesoporous Materials, 2019, 273, 294-296.	4.4	44
110	Dopant-dependent crystallization and photothermal effect of Sb-doped SnO ₂ nanoparticles as stable theranostic nanoagents for tumor ablation. Nanoscale, 2018, 10, 2542-2554.	5.6	43
111	Flexible poly(styrene-butadiene-styrene)/carbon nanotube fiber based vapor sensors with high sensitivity, wide detection range, and fast response. Sensors and Actuators B: Chemical, 2018, 256, 896-904.	7.8	43
112	High specific capacitance cotton fiber electrode enhanced with PPy and MXene by in situ hybrid polymerization. International Journal of Biological Macromolecules, 2021, 181, 1063-1071.	7.5	43
113	Engineering π–π interactions for enhanced photoluminescent properties: unique discrete dimeric packing of perylene diimides. RSC Advances, 2017, 7, 6530-6537.	3.6	42
114	Synthesis of core-shell structured ZnO@m-SiO2 with excellent reinforcing effect and antimicrobial activity for dental resin composites. Dental Materials, 2018, 34, 1846-1855.	3.5	42
115	Perovskite Solar Fibers: Current Status, Issues and Challenges. Advanced Fiber Materials, 2019, 1, 101-125.	16.1	42
116	Strong, high stretchable and ultrasensitive SEBS/CNTs hybrid fiber for high-performance strain sensor. Composites Communications, 2021, 25, 100735.	6.3	42
117	Intriguing anti-superbug Cu2O@ZrP hybrid nanosheet with enhanced antibacterial performance and weak cytotoxicity. Nano Research, 2019, 12, 1453-1460.	10.4	41
118	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
119	Flexible Solar Yarns with 15.7% Power Conversion Efficiency, Based on Electrospun Perovskite Composite Nanofibers. Solar Rrl, 2020, 4, 2000269.	5.8	41
120	Green approach to fabricate Polyindole composite nanofibers for energy and sensor applications. Materials Letters, 2017, 209, 400-403.	2.6	40
121	Facile Synthesis of Nitrogen-Rich Porous Organic Polymers for Latent Heat Energy Storage. ACS Applied Energy Materials, 2018, 1, 6535-6540.	5.1	40
122	Ultralow Resistance Two‧tage Electrostatically Assisted Air Filtration by Polydopamine Coated PET Coarse Filter. Small, 2021, 17, e2102051.	10.0	40
123	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2021. Photochemical and Photobiological Sciences, 2022, 21, 275-301.	2.9	40
124	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
125	Modification of Nancomposite Gels by Irreversible Rearrangement of Polymer/Clay Network Structure through Drying. Macromolecules, 2010, 43, 9848-9853.	4.8	39
126	Blue Te Nanoneedles with Strong NIR Photothermal and Laserâ€Enhanced Anticancer Effects as "Allâ€inâ€One―Nanoagents for Synergistic Thermoâ€Chemotherapy of Tumors. Advanced Healthcare Materials, 2018, 7, e1800643.	7.6	39

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127	Transforming a Sword into a Knife: Persistent Phototoxicity Inhibition and Alternative Therapeutical Activation of Highly-Photosensitive Phytochlorin. ACS Nano, 2021, 15, 19793-19805.	14.6	38
128	Flexible Ceramic Fibers: Recent Development in Preparation and Application. Advanced Fiber Materials, 2022, 4, 573-603.	16.1	38
129	On-demand assembly of polymeric nanoparticles for longer-blood-circulation and disassembly in tumor for boosting sonodynamic therapy. Bioactive Materials, 2022, 18, 242-253.	15.6	38
130	Nanostructured polyaniline/poly(styrene-butadiene-styrene) composite fiber for use as highly sensitive and flexible ammonia sensor. Synthetic Metals, 2017, 233, 86-93.	3.9	37
131	Electromagnetic wave absorption polyimide fabric prepared by coating with core–shell NiFe ₂ O ₄ @PANI nanoparticles. RSC Advances, 2017, 7, 42891-42899.	3.6	37
132	One Responsive Stone, Three Birds: Mn(III)â€Hemoporfin Frameworks with Glutathioneâ€Enhanced Degradation, MRI, and Sonodynamic Therapy. Advanced Healthcare Materials, 2021, 10, e2001463.	7.6	37
133	Trap Distribution and Conductivity Synergic Optimization of High-Performance Triboelectric Nanogenerators for Self-Powered Devices. ACS Applied Materials & Interfaces, 2021, 13, 2566-2575.	8.0	37
134	Expanded conformation of macromolecular chain in polyaniline with one-dimensional nanostructure prepared by interfacial polymerization. Applied Physics Letters, 2006, 89, 103110.	3.3	36
135	Integrated dynamic wet spinning of core-sheath hydrogel fibers for optical-to-brain/tissue communications. National Science Review, 2021, 8, nwaa209.	9.5	36
136	Solid-state intramolecular motions in continuous fibers driven by ambient humidity for fluorescent sensors. National Science Review, 2021, 8, nwaa135.	9.5	36
137	Anchoring alpha-manganese oxide nanocrystallites on multi-walled carbon nanotubes as electrode materials for supercapacitor. Journal of Nanoparticle Research, 2010, 12, 2349-2353.	1.9	35
138	Egg white-mediated green synthesis of CuS quantum dots as a biocompatible and efficient 980 nm laser-driven photothermal agent. RSC Advances, 2016, 6, 40480-40488.	3.6	35
139	Chemical Vapor Deposition Mediated Phase Engineering for 2D Transition Metal Dichalcogenides: Strategies and Applications. Small Science, 2022, 2, 2100047.	9.9	35
140	Preparation of PA6/nano titanium dioxide(TiO2) composites and their spinnability. Macromolecular Symposia, 2004, 210, 251-261.	0.7	34
141	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
142	Self-Perpetuating Carbon Foam Microwave Plasma Conversion of Hydrocarbon Wastes into Useful Fuels and Chemicals. Environmental Science & Technology, 2021, 55, 6239-6247.	10.0	34
143	Vertically symmetrical evaporator based on photothermal fabrics for efficient continuous desalination through inversion strategy. Desalination, 2021, 509, 115072.	8.2	34
144	Effective and biocompatible antibacterial surfaces via facile synthesis and surface modification of peptide polymers. Bioactive Materials, 2021, 6, 4531-4541.	15.6	34

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145	Large Scale Production of Continuous Hydrogel Fibers with Anisotropic Swelling Behavior by Dynamicâ€Crosslinkingâ€Spinning. Macromolecular Rapid Communications, 2016, 37, 1795-1801.	3.9	33
146	UV/NIR-Light-Triggered Rapid and Reversible Color Switching for Rewritable Smart Fabrics. ACS Applied Materials & Interfaces, 2019, 11, 13370-13379.	8.0	33
147	Revealing the interrelation between hydrogen bonds and interfaces in graphene/PVA composites towards highly electrical conductivity. Chemical Engineering Journal, 2020, 383, 123126.	12.7	33
148	A novel leaf inspired hydrogel film based on fiber reinforcement as rapid steam sensor. Chemical Engineering Journal, 2020, 382, 122948.	12.7	33
149	A Study of the Synthesis and Properties of AM/AMPS Copolymer as Superabsorbent. Macromolecular Materials and Engineering, 2004, 289, 1074-1078.	3.6	32
150	Electrical conductivity and rheological behavior of multiphase polymer composites containing conducting carbon black. Polymer Engineering and Science, 2008, 48, 2090-2097.	3.1	32
151	PEGylated Cs _x WO ₃ nanorods as an efficient and stable 915 nm-laser-driven photothermal agent against cancer cells. RSC Advances, 2015, 5, 7074-7082.	3.6	32
152	Turn-off/on fluorescent sensors for Cu ²⁺ and ATP in aqueous solution based on a tetraphenylethylene derivative. Journal of Materials Chemistry C, 2019, 7, 2640-2645.	5.5	32
153	Organic/Inorganic Hybrid Fibers: Controllable Architectures for Electrochemical Energy Applications. Advanced Science, 2021, 8, e2102859.	11.2	32
154	Attapulgite-doped electrospun poly(lactic-co-glycolic acid) nanofibers enable enhanced osteogenic differentiation of human mesenchymal stem cells. RSC Advances, 2015, 5, 2383-2391.	3.6	31
155	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
156	Use of electrospinning to directly fabricate three-dimensional nanofiber stacks of cellulose acetate under high relative humidity condition. Cellulose, 2017, 24, 219-229.	4.9	31
157	Rapid metal-free synthesis of pyridyl-functionalized conjugated microporous polymers for visible-light-driven water splitting. Polymer Chemistry, 2020, 11, 3393-3397.	3.9	31
158	Enantiomeric Switching of the Circularly Polarized Luminescence Processes in a Hierarchical Biomimetic System by Film Tilting. ACS Nano, 2021, 15, 1397-1406.	14.6	31
159	Mechanical properties of biocompatible clay/P(MEO 2 MA- co -OEGMA) nanocomposite hydrogels. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 72, 74-81.	3.1	30
160	Fiber engineering of silica-based aerogels with surface specificity and regenerability for continuous removal of dye pollutants from wastewaters. Microporous and Mesoporous Materials, 2021, 314, 110874.	4.4	30
161	Activated Carbon Nanotube Fiber Fabric as a High-Performance Flexible Electrode for Solid-State Supercapacitors. ACS Applied Materials & Amp; Interfaces, 2021, 13, 28433-28441.	8.0	30
162	3D-printed hydroxyapatite microspheres reinforced PLGA scaffolds for bone regeneration. Materials Science and Engineering C, 2022, 133, 112618.	7.3	30

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