Huimin Zhou

List of Publications by Year
in descending order

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210	5,374	94381	143943
papers	citations	37 h-index	57 g-index

212	212	212	6215
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phase Transformation Behavior and Resistance to Bending and Cyclic Fatigue of ProTaper Gold and ProTaper Universal Instruments. Journal of Endodontics, 2015, 41, 1134-1138.	1.4	189
2	Preparation of Amidoxime Polyacrylonitrile Chelating Nanofibers and Their Application for Adsorption of Metal Ions. Materials, 2013, 6, 969-980.	1.3	135
3	Electrospun AOPAN/RC blend nanofiber membrane for efficient removal of heavy metal ions from water. Journal of Hazardous Materials, 2018, 344, 819-828.	6.5	128
4	MOF-Derived Sulfide-Based Electrocatalyst and Scaffold for Boosted Hydrogen Production. ACS Applied Materials & Interfaces, 2020, 12, 33595-33602.	4.0	123
5	Coaxial Electrospun Cellulose-Core Fluoropolymer-Shell Fibrous Membrane from Recycled Cigarette Filter as Separator for High Performance Lithium-Ion Battery. ACS Sustainable Chemistry and Engineering, 2015, 3, 932-940.	3.2	119
6	MoS2ÂCoexisting in 1T and 2H Phases Synthesized by Common Hydrothermal Method for Hydrogen Evolution Reaction. Nanomaterials, 2019, 9, 844.	1.9	117
7	Ultralight and Flexible Carbon Foam-Based Phase Change Composites with High Latent-Heat Capacity and Photothermal Conversion Capability. ACS Applied Materials & Interfaces, 2019, 11, 31997-32007.	4.0	108
8	Highly Sensitive and Stretchable CNTâ€Bridged AgNP Strain Sensor Based on TPU Electrospun Membrane for Human Motion Detection. Advanced Electronic Materials, 2019, 5, 1900241.	2.6	96
9	A one-pot biosynthesis of reduced graphene oxide (RGO)/bacterial cellulose (BC) nanocomposites. Green Chemistry, 2014, 16, 3195-3201.	4.6	90
10	Encapsulating enzyme into metal-organic framework during in-situ growth on cellulose acetate nanofibers as self-powered glucose biosensor. Biosensors and Bioelectronics, 2021, 171, 112690.	5.3	90
11	A Dualâ€Mode Wearable Sensor Based on Bacterial Cellulose Reinforced Hydrogels for Highly Sensitive Strain/Pressure Sensing. Advanced Electronic Materials, 2020, 6, 1900934.	2.6	83
12	A highly flexible self-powered biosensor for glucose detection by epitaxial deposition of gold nanoparticles on conductive bacterial cellulose. Chemical Engineering Journal, 2018, 351, 177-188.	6.6	77
13	A plant-inspired long-lasting adhesive bilayer nanocomposite hydrogel based on redox-active Ag/Tannic acid-Cellulose nanofibers. Carbohydrate Polymers, 2021, 255, 117508.	5.1	77
14	Carbon quantum dots: A bright future as photosensitizers for in vitro antibacterial photodynamic inactivation. Journal of Photochemistry and Photobiology B: Biology, 2020, 206, 111864.	1.7	74
15	High-performance room temperature NO2 gas sensor based on visible light irradiated In2O3 nanowires. Journal of Alloys and Compounds, 2021, 867, 159076.	2.8	74
16	A multifunctional and highly stretchable electronic device based on silver nanowire/wrap yarn composite for a wearable strain sensor and heater. Journal of Materials Chemistry C, 2019, 7, 13468-13476.	2.7	69
17	All-Fiber-Structured Triboelectric Nanogenerator via One-Pot Electrospinning for Self-Powered Wearable Sensors. ACS Applied Materials & Interfaces, 2021, 13, 24774-24784.	4.0	68
18	Laccase Biosensor Based on Electrospun Copper/Carbon Composite Nanofibers for Catechol Detection. Sensors, 2014, 14, 3543-3556.	2.1	61

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19	MoS₂ Nanoplates Embedded in Coâ€“N-Doped Carbon Nanocages as Efficient Catalyst for HER and OER. ACS Sustainable Chemistry and Engineering, 2020, 8, 5724-5733.	3.2	61
20	Bacterial cellulose hydrogel: A promising electrolyte for flexible zinc-air batteries. Journal of Power Sources, 2021, 482, 228963.	4.0	61
21	A laccase based biosensor on AuNPs-MoS2 modified glassy carbon electrode for catechol detection. Colloids and Surfaces B: Biointerfaces, 2020, 186, 110683.	2.5	58
22	Preparation and characterization of silver nanocomposite textile. Journal of Coatings Technology Research, 2007, 4, 101-106.	1.2	57
23	Laccase Immobilized on a PAN/Adsorbents Composite Nanofibrous Membrane for Catechol Treatment by a Biocatalysis/Adsorption Process. Molecules, 2014, 19, 3376-3388.	1.7	56
24	Cyclic Fatigue of ProFile Vortex and Vortex Blue Nickel-Titanium Files in Single and Double Curvatures. Journal of Endodontics, 2015, 41, 1686-1690.	1.4	55
25	Synergistic Photodynamic and Photothermal Antibacterial Activity of In Situ Grown Bacterial Cellulose/MoS₂-Chitosan Nanocomposite Materials with Visible Light Illumination. ACS Applied Materials & Interfaces, 2021, 13, 31193-31205.	4.0	51
26	Wool/Acrylic Blended Fabrics as Next-Generation Photodynamic Antimicrobial Materials. ACS Applied Materials & Interfaces, 2019, 11, 29557-29568.	4.0	49
27	Graphene oxide improved thermal and mechanical properties of electrospun methyl stearate/polyacrylonitrile form-stable phase change composite nanofibers. Journal of Thermal Analysis and Calorimetry, 2014, 117, 109-122.	2.0	48
28	Carbon quantum dots embedded electrospun nanofibers for efficient antibacterial photodynamic inactivation. Materials Science and Engineering C, 2020, 108, 110377.	3.8	48
29	Smart Textiles with Self-Disinfection and Photothermochromic Effects. ACS Applied Materials & Interfaces, 2021, 13, 2245-2255.	4.0	46
30	Structures, thermal stability, and crystalline properties of polyamide6/organic-modified Fe-montmorillonite composite nanofibers by electrospinning. Journal of Materials Science, 2008, 43, 6132-6138.	1.7	45
31	An environmentally benign approach to achieving vectorial alignment and high microporosity in bacterial cellulose/chitosan scaffolds. RSC Advances, 2017, 7, 13678-13688.	1.7	45
32	ProFile Vortex and Vortex Blue Nickel-Titanium Rotary Instruments after Clinical Use. Journal of Endodontics, 2015, 41, 937-942.	1.4	42
33	Surface functionalization of silk fabric by PTFE sputter coating. Journal of Materials Science, 2007, 42, 8025-8028.	1.7	41
34	Electrospun form-stable phase change composite nanofibers consisting of capric acid-based binary fatty acid eutectics and polyethylene terephthalate. Fibers and Polymers, 2013, 14, 89-99.	1.1	41
35	Thermal energy storage and retrieval properties of form-stable phase change nanofibrous mats based on ternary fatty acid eutectics/polyacrylonitrile composite by magnetron sputtering of silver. Journal of Thermal Analysis and Calorimetry, 2016, 123, 1293-1307.	2.0	40
36	Hierarchical porous nanofibers containing thymol/beta-cyclodextrin: Physico-chemical characterization and potential biomedical applications. Materials Science and Engineering C, 2020, 115, 111155.	3.8	40

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37	Surface modification of polyester nonwoven fabrics by Al2O3 solâ€“gel coating. Journal of Coatings Technology Research, 2009, 6, 537-541.	1.2	39
38	A catechol biosensor based on electrospun carbon nanofibers. Beilstein Journal of Nanotechnology, 2014, 5, 346-354.	1.5	38
39	High Adsorption Pearlâ€Necklaceâ€Like Composite Membrane Based on Metalâ€“Organic Framework for Heavy Metal Ion Removal. Particle and Particle Systems Characterization, 2018, 35, 1700438.	1.2	38
40	Microwave-Assisted Rapid Preparation of Nano-ZnO/Ag Composite Functionalized Polyester Nonwoven Membrane for Improving Its UV Shielding and Antibacterial Properties. Materials, 2018, 11, 1412.	1.3	38
41	Ammonia gas sensors based on In₂O₃/PANI hetero-nanofibers operating at room temperature. Beilstein Journal of Nanotechnology, 2016, 7, 1312-1321.	1.5	37
42	Dual-functional biocatalytic membrane containing laccase-embedded metal-organic frameworks for detection and degradation of phenolic pollutant. Journal of Colloid and Interface Science, 2021, 603, 771-782.	5.0	37
43	Ultrafast gelation of multifunctional hydrogel/composite based on self-catalytic Fe3+/Tannic acid-cellulose nanofibers. Journal of Colloid and Interface Science, 2022, 606, 1457-1468.	5.0	37
44	Surface Structures and Contact Angles of Electrospun Poly(vinylidene fluoride) Nanofiber Membranes. International Journal of Polymer Analysis and Characterization, 2008, 13, 292-301.	0.9	35
45	Immobilization of catalases on amidoxime polyacrylonitrile nanofibrous membranes. Polymer International, 2013, 62, 251-256.	1.6	34
46	Preparation of amidoxime-modified polyacrylonitrile nanofibers immobilized with laccase for dye degradation. Fibers and Polymers, 2014, 15, 30-34.	1.1	34
47	Laccase immobilized on PAN/O-MMT composite nanofibers support for substrate bioremediation: a de novo adsorption and biocatalytic synergy. RSC Advances, 2016, 6, 41420-41427.	1.7	34
48	FeNi alloy nanoparticles embedded in electrospun nitrogen-doped carbon fibers for efficient oxygen evolution reaction. Journal of Colloid and Interface Science, 2020, 578, 805-813.	5.0	33
49	An investigation for the performance of meta-aramid fiber blends treated in supercritical carbon dioxide fluid. Fibers and Polymers, 2015, 16, 1134-1141.	1.1	32
50	Preparation of Pd/Bacterial Cellulose Hybrid Nanofibers for Dopamine Detection. Molecules, 2016, 21, 618.	1.7	32
51	Effect of In2O3 nanofiber structure on the ammonia sensing performances of In2O3/PANI composite nanofibers. Journal of Materials Science, 2017, 52, 686-695.	1.7	32
52	Structural characterization and dynamic water adsorption of electrospun polyamide6/montmorillonite nanofibers. Journal of Applied Polymer Science, 2008, 107, 3535-3540.	1.3	31
53	Establishment of an activated peroxide system for low-temperature cotton bleaching using N-[4-(triethylammoniomethyl)benzoyl]butyrolactam chloride. Carbohydrate Polymers, 2015, 119, 71-77.	5.1	31
54	Bacterial Cellulose Reinforced Polyaniline Electroconductive Hydrogel with Multiple Weak Hâ€Bonds as Flexible and Sensitive Strain Sensor. Macromolecular Materials and Engineering, 2021, 306, 2100159.	1.7	31

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55	Light-driven self-disinfecting textiles functionalized by PCN-224 and Ag nanoparticles. Journal of Hazardous Materials, 2021, 416, 125786.	6.5	31
56	Dye-Sensitized Solar Cells Based on Porous Hollow Tin Oxide Nanofibers. IEEE Transactions on Electron Devices, 2015, 62, 2027-2032.	1.6	29
57	Electrospun preparation and lithium storage properties of NiFe2O4 nanofibers. Ionics, 2015, 21, 687-694.	1.2	29
58	Protoporphyrin IX conjugated bacterial cellulose via diamide spacer arms with specific antibacterial photodynamic inactivation against Escherichia coli. Cellulose, 2018, 25, 1673-1686.	2.4	29
59	Insight into light-driven antibacterial cotton fabrics decorated by in situ growth strategy. Journal of Colloid and Interface Science, 2020, 579, 233-242.	5.0	29
60	Ammonia Sensing Performance of Polyaniline-Coated Polyamide 6 Nanofibers. ACS Omega, 2021, 6, 8950-8957.	1.6	29
61	Multifunctional shape-stabilized phase change composites based upon multi-walled carbon nanotubes and polypyrrole decorated melamine foam for light/electric-to-thermal energy conversion and storage. Journal of Energy Storage, 2021, 43, 103187.	3.9	29
62	Antibacterial properties of PLA nonwoven medical dressings coated with nanostructured silver. Fibers and Polymers, 2008, 9, 556-560.	1.1	28
63	The Improvement of Thermal Stability and Conductivity via Incorporation of Carbon Nanofibers into Electrospun Ultrafine Composite Fibers of Lauric Acid/Polyamide 6 Phase Change Materials for Thermal Energy Storage. International Journal of Green Energy, 2014, 11, 861-875.	2.1	27
64	Effect of temperature on structure, morphology and crystallinity of PVDF nanofibers via electrospinning. E-Polymers, 2008, 8, .	1.3	26
65	NiCu Alloy Nanoparticle-Loaded Carbon Nanofibers for Phenolic Biosensor Applications. Sensors, 2015, 15, 29419-29433.	2.1	26
66	In situ formed active and intelligent bacterial cellulose/cotton fiber composite containing curcumin. Cellulose, 2020, 27, 9371-9382.	2.4	26
67	3D Lamellar Structure of Biomass-Based Porous Carbon Derived from Towel Gourd toward Phase Change Composites with Thermal Management and Protection. ACS Applied Bio Materials, 2020, 3, 8923-8932.	2.3	26
68	Nature-Inspired Hydrogel Network for Efficient Tissue-Specific Underwater Adhesive. ACS Applied Materials & Interfaces, 2021, 13, 59761-59771.	4.0	26
69	Effect of CSA Concentration on the Ammonia Sensing Properties of CSA-Doped PA6/PANI Composite Nanofibers. Sensors, 2014, 14, 21453-21465.	2.1	25
70	Flexible, Stretchable, and Multifunctional Electrospun Polyurethane Mats with 0Dâ€‘1Dâ€‘2D Ternary Nanocompositeâ€‘Based Conductive Networks. Advanced Electronic Materials, 2021, 7, .	2.6	25
71	Research progress of the biosynthetic strains and pathways of bacterial cellulose. Journal of Industrial Microbiology and Biotechnology, 2022, 49, .	1.4	25
72	Influences of organic-modified Fe-montmorillonite on structure, morphology and properties of polyacrylonitrile nanocomposite fibers. Fibers and Polymers, 2009, 10, 750-755.	1.1	24

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73	Comparison Between Structures and Properties of ABS Nanocomposites Derived from Two Different Kinds of OMT. Journal of Materials Engineering and Performance, 2010, 19, 171-176.	1.2	24
74	Preparation and characterization of the electrospun nanofibers loaded with clarithromycin. Journal of Applied Polymer Science, 2010, 118, 346-352.	1.3	24
75	Preparation of Cu(II)â€chelated poly(vinyl alcohol) nanofibrous membranes for catalase immobilization. Journal of Applied Polymer Science, 2011, 120, 3291-3296.	1.3	23
76	Tin nanoparticles embedded in ordered mesoporous carbon as high-performance anode for sodium-ion batteries. Journal of Solid State Electrochemistry, 2017, 21, 1385-1395.	1.2	23
77	A Novel In Situ Self-Assembling Fabrication Method for Bacterial Cellulose-Electrospun Nanofiber Hybrid Structures. Polymers, 2018, 10, 712.	2.0	23
78	Recent Advances in Functional Bacterial Cellulose for Wearable Physical Sensing Applications. Advanced Materials Technologies, 2022, 7, 2100617.	3.0	23
79	Preparation and characterization of titanium dioxide nanocomposite fibers. Journal of Materials Science, 2007, 42, 8001-8005.	1.7	22
80	Electrical and optical properties of polyester fabric coated with Ag/TiO₂ composite films by magnetron sputtering. Textile Reseach Journal, 2016, 86, 887-894.	1.1	22
81	Carbonâ€Coated Magnesium Ferrite Nanofibers for Lithiumâ€Ion Battery Anodes with Enhanced Cycling Performance. Energy Technology, 2017, 5, 1364-1372.	1.8	22
82	Sequestration of Pb(II) Ions from Aqueous Systems with Novel Green Bacterial Cellulose Graphene Oxide Composite. Materials, 2019, 12, 218.	1.3	22
83	Photoinactivation of bacteria by hypocrellin-grafted bacterial cellulose. Cellulose, 2020, 27, 991-1007.	2.4	22
84	Structure, Thermal, and Antibacterial Properties of Polyacrylonitrile/Ferric Chloride Nanocomposite Fibers by Electrospinning. International Journal of Polymer Analysis and Characterization, 2010, 15, 110-118.	0.9	21
85	Removal of a Cationic Dye by Adsorption/Photodegradation Using Electrospun PAN/O-MMT Composite Nanofibrous Membranes Coated withTiO2. International Journal of Photoenergy, 2012, 2012, 1-8.	1.4	21
86	Incorporation of <inline-formula> <tex-math notation="TeX">${m TiO}_{2}$ </tex-math></inline-formula> Nanoparticles Into <inline-formula> <tex-math notation="TeX">${m SnO}_{2}$ </tex-math></inline-formula> Nanofibers for Higher Efficiency Dye-Sensitized Solar Cells. IEEE Electron Device Letters, 2014, 35, 578-580.	2.2	21
87	Amperometric detection of hydrogen peroxide using a nanofibrous membrane sputtered with silver. RSC Advances, 2014, 4, 3857-3863.	1.7	21
88	C@TiO₂/MoO₃ Composite Nanofibers with 1Tâ€Phase MoS₂ Nanograin Dopant and Stabilized Interfaces as Anodes for Liâ€and Naâ€Ion Batteries. ChemSusChem, 2018, 11, 4060-4070.	3.6	21
89	Multifunctional Wearable Strain Sensor Made with an Elastic Interwoven Fabric for Patients with Motor Dysfunction. Advanced Materials Technologies, 2020, 5, 2000560.	3.0	21
90	Functionalization of polyamide 6 nanofibers by electroless deposition of copper. Journal of Coatings Technology Research, 2008, 5, 399-403.	1.2	20

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91	Electrochemical Properties of LLTO/Fluoropolymer-Shell Cellulose-Core Fibrous Membrane for Separator of High Performance Lithium-Ion Battery. Materials, 2016, 9, 75.	1.3	20
92	Photooxidation Properties of Photosensitizer/Direct Dye Patterned Polyester/Cotton Fabrics. Fibers and Polymers, 2018, 19, 1687-1693.	1.1	20
93	Fibrous Network of C@MoS₂ Nanocapsuleâ€Decorated Cotton Linters Interconnected by Bacterial Cellulose for Lithiumâ€and Sodiumâ€Ion Batteries. ChemSusChem, 2019, 12, 5075-5080.	3.6	20
94	TiO2 Sol-Gel Coated PAN/O-MMT Multi-Functional Composite Nanofibrous Membrane Used as the Support for Laccase Immobilization: Synergistic Effect between the Membrane Support and Enzyme for Dye Degradation. Polymers, 2020, 12, 139.	2.0	20
95	Porous protoporphyrin IX-embedded cellulose diacetate electrospun microfibers in antimicrobial photodynamic inactivation. Materials Science and Engineering C, 2021, 118, 111502.	3.8	20
96	Wetting behavior of electrospun poly(<scp>L</scp>â€lactic acid)/poly(vinyl alcohol) composite nonwovens. Journal of Applied Polymer Science, 2008, 110, 3172-3177.	1.3	19
97	Electrospun ultrafine composite fibers of binary fatty acid eutectics and polyethylene terephthalate as innovative form-stable phase change materials for storage and retrieval of thermal energy. International Journal of Energy Research, 2013, 37, 657-664.	2.2	19
98	Free-standing TiO2â€“SiO2/PANI composite nanofibers for ammonia sensors. Journal of Materials Science: Materials in Electronics, 2018, 29, 3576-3583.	1.1	19
99	In situ grown bacterial cellulose/MoS2 composites for multi-contaminant wastewater treatment and bacteria inactivation. Carbohydrate Polymers, 2022, 277, 118853.	5.1	19
100	Biomass-derived nanocellulose aerogel enable highly efficient immobilization of laccase for the degradation of organic pollutants. Bioresource Technology, 2022, 356, 127311.	4.8	19
101	Recent advances of micro-nanofiber materials for rechargeable zinc-air batteries. Energy Storage Materials, 2022, 51, 181-211.	9.5	19
102	Surface modified ployacrylonitrile nanofibers and application for metal ions chelation. Fibers and Polymers, 2011, 12, 1025-1029.	1.1	18
103	Thermal and mechanical properties of nanofibers-based form-stable PCMs consisting of glycerol monostearate and polyethylene terephthalate. Journal of Thermal Analysis and Calorimetry, 2013, 114, 101-111.	2.0	18
104	Effect of treatment pressure on structures and properties of PMIA fiber in supercritical carbon dioxide fluid. Journal of Applied Polymer Science, 2015, 132, .	1.3	18
105	Electrospun TiO₂ nanofibers coated with polydopamine for enhanced sunlightâ€driven photocatalytic degradation of cationic dyes. Surface and Interface Analysis, 2019, 51, 169-176.	0.8	18
106	Mussel-inspired double cross-linked hydrogels with desirable mechanical properties, strong tissue-adhesiveness, self-healing properties and antibacterial properties. Materials Science and Engineering C, 2021, 120, 111690.	3.8	18
107	Effects of ferric chloride on structure, surface morphology and combustion property of electrospun polyacrylonitrile composite nanofibers. Fibers and Polymers, 2011, 12, 145-150.	1.1	17
108	Effects of carbon nanotubes on morphological structure, thermal and flammability properties of electrospun composite fibers consisting of lauric acid and polyamide 6 as thermal energy storage materials. Fibers and Polymers, 2012, 13, 837-845.	1.1	17

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109	Preparation and characterization of electrospun polyvinyl alcoholstyrylpyridinium/Î²-cyclodextrin composite nanofibers: Release behavior and potential use for wound dressing. Fibers and Polymers, 2016, 17, 1835-1841.	1.1	17
110	Ginsenoside Rg1 attenuates LPS-induced chronic renal injury by inhibiting NOX4-NLRP3 signaling in mice. Biomedicine and Pharmacotherapy, 2022, 150, 112936.	2.5	17
111	Effect of pore distribution on the lithium storage properties of porous C/SnO 2 nanofibers. Journal of Alloys and Compounds, 2017, 711, 414-423.	2.8	16
112	Rapid surface functionalization of cotton fabrics by modified hydrothermal synthesis of ZnO. Journal of the Textile Institute, 2017, 108, 1391-1397.	1.0	16
113	MoS2 nanograins doped TiO2 nanofibers as intensified anodes for lithium ion batteries. Materials Letters, 2018, 218, 47-51.	1.3	16
114	All-electrospun performance-enhanced triboelectric nanogenerator based on the charge-storage process. Journal of Materials Science, 2022, 57, 5334-5345.	1.7	16
115	Fabrication of hydrophilic nanoporous PMMA/O-MMT composite microfibrous membrane and its use in enzyme immobilization. Journal of Porous Materials, 2013, 20, 457-464.	1.3	15
116	Preparation of a graphene-loaded carbon nanofiber composite with enhanced graphitization and conductivity for biosensing applications. RSC Advances, 2015, 5, 30602-30609.	1.7	15
117	Effect of a Combination of Torsional and Cyclic Fatigue Preloading on the Fracture Behavior of K3 and K3XF Instruments. Journal of Endodontics, 2015, 41, 526-530.	1.4	15
118	Flexible cellulose acetate nano-felts absorbed with capricâ€“myristicâ€“stearic acid ternary eutectic mixture as form-stable phase-change materials for thermal energy storage/retrieval. Journal of Thermal Analysis and Calorimetry, 2017, 128, 661-673.	2.0	15
119	Wintersweet Branchâ€Like C/C@SnO₂/MoS₂ Nanofibers as Highâ€Performance Li and Naâ€Ion Battery Anodes. Particle and Particle Systems Characterization, 2017, 34, 1700295.	1.2	15
120	Structures and properties of the polyester nonwovens coated with titanium dioxide by reactive sputtering. Journal of Coatings Technology Research, 2010, 7, 637-642.	1.2	14
121	Preparation, Morphology and Properties of Electrospun Lauric Acid/PET Form-Stable Phase Change Ultrafine Composite Fibres. Polymers and Polymer Composites, 2011, 19, 773-780.	1.0	14
122	Direct electrochemistry of laccase and a hydroquinone biosensing application employing ZnO loaded carbon nanofibers. RSC Advances, 2014, 4, 61831-61840.	1.7	14
123	A form-stable phase change material made with a cellulose acetate nanofibrous mat from bicomponent electrospinning and incorporated capricâ€“myristicâ€“stearic acid ternary eutectic mixture for thermal energy storage/retrieval. RSC Advances, 2015, 5, 84245-84251.	1.7	14
124	Preparation of bacterial cellulose/carbon nanotube nanocomposite for biological fuel cell. Fibers and Polymers, 2016, 17, 1858-1865.	1.1	14
125	Ultralight nanocomposite aerogels with interpenetrating network structure of bacterial cellulose for oil absorption. Journal of Applied Polymer Science, 2019, 136, 48000.	1.3	14
126	In situ 3D bacterial cellulose/nitrogen-doped graphene oxide quantum dot-based membrane fluorescent probes for aggregation-induced detection of iron ions. Cellulose, 2019, 26, 6073-6086.	2.4	14

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127	Deposition of polytetrafluoroethylene nanoparticles on graphene oxide/polyester fabrics for oil adsorption. Surface Engineering, 2019, 35, 426-434.	1.1	14
128	Insitu Self-Assembly of Bacterial Cellulose on Banana Fibers Extracted from Peels. Journal of Natural Fibers, 2020, 17, 1317-1328.	1.7	14
129	Surface characterization and properties of functionalized nonwoven. Journal of Applied Polymer Science, 2008, 107, 132-137.	1.3	13
130	Characterization of PVAc/TiO2hybrid nanofibers: From fibrous morphologies to molecular structures. Journal of Applied Polymer Science, 2009, 112, 1481-1485.	1.3	13
131	Electrochemical properties of rutile TiO2 nanorods as anode material for lithium-ion batteries. Ionics, 2012, 18, 667-672.	1.2	13
132	Fabrication and characterization of polyamide6-room temperature ionic liquid (PA6-RTIL) composite nanofibers by electrospinning. Fibers and Polymers, 2013, 14, 1614-1619.	1.1	13
133	Electrospun synthesis and electrochemical property of zinc ferrite nanofibers. Ionics, 2016, 22, 967-974.	1.2	13
134	Structural Coloration of Polyester Fabrics Coated with Al/TiO2 Composite Films and Their Anti-Ultraviolet Properties. Materials, 2018, 11, 1011.	1.3	13
135	A Novel Multilayer Composite Membrane for Wound Healing in Mice Skin Defect Model. Polymers, 2020, 12, 573.	2.0	13
136	Microporous Cyclodextrin Film with Funnelâ€type Channel Polymerized on Electrospun Cellulose Acetate Membrane as Separators for Strong Trapping Polysulfides and Boosting Charging in Lithiumâ€“Sulfur Batteries. Energy and Environmental Materials, 2023, 6, .	7.3	13
137	Membrane Technological Pathways and Inherent Structure of Bacterial Cellulose Composites for Drug Delivery. Bioengineering, 2022, 9, 3.	1.6	13
138	Preparation and the light transmittance of TiO2 deposited fabrics. Journal of Coatings Technology Research, 2009, 6, 549-555.	1.2	12
139	Preparation of a cellulose acetate/organic montmorillonite composite porous ultrafine fiber membrane for enzyme immobilization. Journal of Applied Polymer Science, 2016, 133, .	1.3	12
140	Properties and application of multi-functional and structurally colored textile prepared by magnetron sputtering. Journal of Industrial Textiles, 2022, 51, 1295-1311.	1.1	12
141	Highly Sensitive and Stretchable c-MWCNTs/PPy Embedded Multidirectional Strain Sensor Based on Double Elastic Fabric for Human Motion Detection. Nanomaterials, 2021, 11, 2333.	1.9	12
142	Fabrication, Structural Morphology and Thermal Energy Storage/Retrieval of Ultrafine Phase Change Fibres Consisting of Polyethylene Glycol and Polyamide 6 by Electrospinning. Polymers and Polymer Composites, 2013, 21, 525-532.	1.0	11
143	Electrospinning of porous carbon nanocomposites for supercapacitor. Fibers and Polymers, 2015, 16, 421-425.	1.1	11
144	Sol-Gel Synthesis of Carbon Xerogel-ZnO Composite for Detection of Catechol. Materials, 2016, 9, 282.	1.3	11

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145	Preparation of self-clustering highly oriented nanofibers by needleless electrospinning methods. Fibers and Polymers, 2016, 17, 1414-1420.	1.1	11
146	Characterisation of PET nonwoven deposited with Ag/FC nanocomposite films. Surface Engineering, 2018, 34, 838-845.	1.1	11
147	Bioactive Icariin/Î²-CD-IC/Bacterial Cellulose with Enhanced Biomedical Potential. Nanomaterials, 2021, 11, 387.	1.9	11
148	Nerve Decellularized Matrix Composite Scaffold With High Antibacterial Activity for Nerve Regeneration. Frontiers in Bioengineering and Biotechnology, 2021, 9, 840421.	2.0	11
149	Fabrication and Performance of Shape-Stable Phase Change Composites Supported by Environment-Friendly and Economical Loofah Sponge Fibers for Thermal Energy Storage. Energy & Fuels, 2022, 36, 3938-3946.	2.5	11
150	One-pot synthesis and electrochemical property of MnO/C hybrid microspheres. Ionics, 2013, 19, 595-600.	1.2	10
151	Preparation and characterization of porous carbon based nanocomposite for supercapacitor. Fibers and Polymers, 2014, 15, 1236-1241.	1.1	10
152	Polyvinylpyrrolidone-derived carbon-coated magnesium ferrite composite nanofibers as anode material for high-performance lithium-ion batteries. Ionics, 2018, 24, 297-301.	1.2	10
153	Dynamic wetting of plasma-treated polypropylene nonwovens. Journal of Applied Polymer Science, 2007, 104, 2157-2160.	1.3	9
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