Huimin Zhou

List of Publications by Citations

201 papers	3,336 citations	30 h-index	43 g-index
212 ext. papers	4,332 ext. citations	4.3 avg, IF	5.85 L-index

#	Paper	IF	Citations
201	Phase Transformation Behavior and Resistance to Bending and Cyclic Fatigue of ProTaper Gold and ProTaper Universal Instruments. *Journal of Endodontics*, **2015**, 41, 1134-8	4.7	134
200	Preparation of Amidoxime Polyacrylonitrile Chelating Nanofibers and Their Application for Adsorption of Metal Ions. *Materials*, **2013**, 6, 969-980	3.5	103
199	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	8.3	84
198	Electrospun AOPAN/RC blend nanofiber membrane for efficient removal of heavy metal ions from water. *Journal of Hazardous Materials*, **2018**, 344, 819-828	12.8	84
197	A one-pot biosynthesis of reduced graphene oxide (RGO)/bacterial cellulose (BC) nanocomposites. *Green Chemistry*, **2014**, 16, 3195-3201	10	73
196	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	9.5	61
195	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	14.7	57
194	Highly Sensitive and Stretchable CNT-Bridged AgNP Strain Sensor Based on TPU Electrospun Membrane for Human Motion Detection. *Advanced Electronic Materials*, **2019**, 5, 1900241	6.4	56
193	Laccase biosensor based on electrospun copper/carbon composite nanofibers for catechol detection. *Sensors*, **2014**, 14, 3543-56	3.8	55
192	Preparation and characterization of silver nanocomposite textile **2007**, 4, 101-106		50
191	A Dual-Mode Wearable Sensor Based on Bacterial Cellulose Reinforced Hydrogels for Highly Sensitive Strain/Pressure Sensing. *Advanced Electronic Materials*, **2020**, 6, 1900934	6.4	48
190	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	11.8	48
189	Laccase immobilized on a PAN/adsorbents composite nanofibrous membrane for catechol treatment by a biocatalysis/adsorption process. *Molecules*, **2014**, 19, 3376-88	4.8	46
188	MoS Coexisting in 1T and 2H Phases Synthesized by Common Hydrothermal Method for Hydrogen Evolution Reaction. *Nanomaterials*, **2019**, 9,	5.4	45
187	Cyclic Fatigue of ProFile Vortex and Vortex Blue Nickel-Titanium Files in Single and Double Curvatures. *Journal of Endodontics*, **2015**, 41, 1686-90	4.7	44
186	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	4.1	43
185	Structures, thermal stability, and crystalline properties of polyamide6/organic-modified Fe-montmorillonite composite nanofibers by electrospinning. *Journal of Materials Science*, **2008**, 43, 6132-6138	4.3	43

184	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	7.1	41
183	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	4.1	37
182	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	2	36
181	Surface functionalization of silk fabric by PTFE sputter coating. *Journal of Materials Science*, **2007**, 42, 8025-8028	4.3	36
180	Surface modification of polyester nonwoven fabrics by Al2O3 sol□gel coating **2009**, 6, 537-541		34
179	ProFile Vortex and Vortex Blue Nickel-Titanium Rotary Instruments after Clinical Use. *Journal of Endodontics*, **2015**, 41, 937-42	4.7	33
178	Carbon quantum dots: A bright future as photosensitizers for in vitro antibacterial photodynamic inactivation. *Journal of Photochemistry and Photobiology B: Biology*, **2020**, 206, 111864	6.7	33
177	A catechol biosensor based on electrospun carbon nanofibers. *Beilstein Journal of Nanotechnology*, **2014**, 5, 346-54	3	33
176	MOF-Derived Sulfide-Based Electrocatalyst and Scaffold for Boosted Hydrogen Production. *ACS Applied Materials & Interfaces*, **2020**, 12, 33595-33602	9.5	32
175	Wool/Acrylic Blended Fabrics as Next-Generation Photodynamic Antimicrobial Materials. *ACS Applied Materials & Interfaces*, **2019**, 11, 29557-29568	9.5	32
174	An environmentally benign approach to achieving vectorial alignment and high microporosity in bacterial cellulose/chitosan scaffolds. *RSC Advances*, **2017**, 7, 13678-13688	3.7	30
173	Surface Structures and Contact Angles of Electrospun Poly(vinylidene fluoride) Nanofiber Membranes. *International Journal of Polymer Analysis and Characterization*, **2008**, 13, 292-301	1.7	30
172	A plant-inspired long-lasting adhesive bilayer nanocomposite hydrogel based on redox-active Ag/Tannic acid-Cellulose nanofibers. *Carbohydrate Polymers*, **2021**, 255, 117508	10.3	30
171	Immobilization of catalases on amidoxime polyacrylonitrile nanofibrous membranes. *Polymer International*, **2013**, 62, 251-256	3.3	29
170	A laccase based biosensor on AuNPs-MoS modified glassy carbon electrode for catechol detection. *Colloids and Surfaces B: Biointerfaces*, **2020**, 186, 110683	6	29
169	Preparation of amidoxime-modified polyacrylonitrile nanofibers immobilized with laccase for dye degradation. *Fibers and Polymers*, **2014**, 15, 30-34	2	28
168	Structural characterization and dynamic water adsorption of electrospun polyamide6/montmorillonite nanofibers. *Journal of Applied Polymer Science*, **2008**, 107, 3535-3540	2.9	27
167	Ammonia gas sensors based on InO/PANI hetero-nanofibers operating at room temperature. *Beilstein Journal of Nanotechnology*, **2016**, 7, 1312-1321	3	27

166	Establishment of an activated peroxide system for low-temperature cotton bleaching using N-[4-(triethylammoniomethyl)benzoyl]butyrolactam chloride. *Carbohydrate Polymers*, **2015**, 119, 71-7	10.3	26
165	High Adsorption Pearl-Necklace-Like Composite Membrane Based on Metal□Organic Framework for Heavy Metal Ion Removal. *Particle and Particle Systems Characterization*, **2018**, 35, 1700438	3.1	26
164	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	3.7	26
163	Protoporphyrin IX conjugated bacterial cellulose via diamide spacer arms with specific antibacterial photodynamic inactivation against Escherichia coli. *Cellulose*, **2018**, 25, 1673-1686	5.5	25
162	Carbon quantum dots embedded electrospun nanofibers for efficient antibacterial photodynamic inactivation. *Materials Science and Engineering C*, **2020**, 108, 110377	8.3	25
161	Bacterial cellulose hydrogel: A promising electrolyte for flexible zinc-air batteries. *Journal of Power Sources*, **2021**, 482, 228963	8.9	25
160	Influences of organic-modified Fe-montmorillonite on structure, morphology and properties of polyacrylonitrile nanocomposite fibers. *Fibers and Polymers*, **2009**, 10, 750-755	2	24
159	Dye-Sensitized Solar Cells Based on Porous Hollow Tin Oxide Nanofibers. *IEEE Transactions on Electron Devices*, **2015**, 62, 2027-2032	2.9	23
158	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	1.6	23
157	Preparation of Pd/Bacterial Cellulose Hybrid Nanofibers for Dopamine Detection. *Molecules*, **2016**, 21,	4.8	23
156	An investigation for the performance of meta-aramid fiber blends treated in supercritical carbon dioxide fluid. *Fibers and Polymers*, **2015**, 16, 1134-1141	2	22
155	Electrospun preparation and lithium storage properties of NiFe2O4 nanofibers. *Ionics*, **2015**, 21, 687-694	2.7	22
154	Effect of In2O3 nanofiber structure on the ammonia sensing performances of In2O3/PANI composite nanofibers. *Journal of Materials Science*, **2017**, 52, 686-695	4.3	22
153	Effect of CSA concentration on the ammonia sensing properties of CSA-doped PA6/PANI composite nanofibers. *Sensors*, **2014**, 14, 21453-65	3.8	22
152	Hierarchical porous nanofibers containing thymol/beta-cyclodextrin: Physico-chemical characterization and potential biomedical applications. *Materials Science and Engineering C*, **2020**, 115, 111155	8.3	21
151	Microwave-Assisted Rapid Preparation of Nano-ZnO/Ag Composite Functionalized Polyester Nonwoven Membrane for Improving Its UV Shielding and Antibacterial Properties. *Materials*, **2018**, 11,	3.5	21
150	Preparation of Cu(II)-chelated poly(vinyl alcohol) nanofibrous membranes for catalase immobilization. *Journal of Applied Polymer Science*, **2011**, 120, 3291-3296	2.9	21
149	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	2.1	21

148	Preparation and characterization of the electrospun nanofibers loaded with clarithromycin. *Journal of Applied Polymer Science*, **2010**, 118, 346-352	2.9	21
147	Preparation and characterization of titanium dioxide nanocomposite fibers. *Journal of Materials Science*, **2007**, 42, 8001-8005	4.3	21
146	Antibacterial properties of PLA nonwoven medical dressings coated with nanostructured silver. *Fibers and Polymers*, **2008**, 9, 556-560	2	21
145	High-performance room temperature NO2 gas sensor based on visible light irradiated In2O3 nanowires. *Journal of Alloys and Compounds*, **2021**, 867, 159076	5.7	21
144	NiCu Alloy Nanoparticle-Loaded Carbon Nanofibers for Phenolic Biosensor Applications. *Sensors*, **2015**, 15, 29419-33	3.8	20
143	MoS2 Nanoplates Embedded in Co□N-Doped Carbon Nanocages as Efficient Catalyst for HER and OER. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 5724-5733	8.3	19
142	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	3	19
141	All-Fiber-Structured Triboelectric Nanogenerator via One-Pot Electrospinning for Self-Powered Wearable Sensors. *ACS Applied Materials & Interfaces*, **2021**, 13, 24774-24784	9.5	19
140	Electrical and optical properties of polyester fabric coated with Ag/TiO2 composite films by magnetron sputtering. *Textile Reseach Journal*, **2016**, 86, 887-894	1.7	18
139	Incorporation of ${rm TiO}_{2}$ Nanoparticles Into ${rm SnO}_{2}$ Nanofibers for Higher Efficiency Dye-Sensitized Solar Cells. *IEEE Electron Device Letters*, **2014**, 35, 578-580	4.4	18
138	Surface modified ployacrylonitrile nanofibers and application for metal ions chelation. *Fibers and Polymers*, **2011**, 12, 1025-1029	2	18
137	Structure, Thermal, and Antibacterial Properties of Polyacrylonitrile/Ferric Chloride Nanocomposite Fibers by Electrospinning. *International Journal of Polymer Analysis and Characterization*, **2010**, 15, 110-118	1.7	18
136	Wetting behavior of electrospun poly(L-lactic acid)/poly(vinyl alcohol) composite nonwovens. *Journal of Applied Polymer Science*, **2008**, 110, 3172-3177	2.9	18
135	Tin nanoparticles embedded in ordered mesoporous carbon as high-performance anode for sodium-ion batteries. *Journal of Solid State Electrochemistry*, **2017**, 21, 1385-1395	2.6	17
134	Insight into light-driven antibacterial cotton fabrics decorated by in situ growth strategy. *Journal of Colloid and Interface Science*, **2020**, 579, 233-242	9.3	17
133	Amperometric detection of hydrogen peroxide using a nanofibrous membrane sputtered with silver. *RSC Advances*, **2014**, 4, 3857-3863	3.7	17
132	Effects of ferric chloride on structure, surface morphology and combustion property of electrospun polyacrylonitrile composite nanofibers. *Fibers and Polymers*, **2011**, 12, 145-150	2	17
131	Smart Textiles with Self-Disinfection and Photothermochromic Effects. *ACS Applied Materials & Interfaces*, **2021**, 13, 2245-2255	9.5	17

130	C@TiO /MoO Composite Nanofibers with 1T-Phase MoS Nanograin Dopant and Stabilized Interfaces as Anodes for Li- and Na-Ion Batteries. *ChemSusChem*, **2018**, 11, 4060-4070	8.3	17
129	Carbon-Coated Magnesium Ferrite Nanofibers for Lithium-Ion Battery Anodes with Enhanced Cycling Performance. *Energy Technology*, **2017**, 5, 1364-1372	3.5	16
128	A Novel In Situ Self-Assembling Fabrication Method for Bacterial Cellulose-Electrospun Nanofiber Hybrid Structures. *Polymers*, **2018**, 10,	4.5	16
127	Fibrous Network of C@MoS Nanocapsule-Decorated Cotton Linters Interconnected by Bacterial Cellulose for Lithium- and Sodium-Ion Batteries. *ChemSusChem*, **2019**, 12, 5075-5080	8.3	16
126	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	4.5	16
125	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	4.1	16
124	Functionalization of polyamide 6 nanofibers by electroless deposition of copper **2008**, 5, 399-403		16
123	Electrochemical Properties of LLTO/Fluoropolymer-Shell Cellulose-Core Fibrous Membrane for Separator of High Performance Lithium-Ion Battery. *Materials*, **2016**, 9,	3.5	16
122	Effect of pore distribution on the lithium storage properties of porous C/SnO2 nanofibers. *Journal of Alloys and Compounds*, **2017**, 711, 414-423	5.7	15
121	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	2	15
120	Preparation of a graphene-loaded carbon nanofiber composite with enhanced graphitization and conductivity for biosensing applications. *RSC Advances*, **2015**, 5, 30602-30609	3.7	14
119	Effect of temperature on structure, morphology and crystallinity of PVDF nanofibers via electrospinning. *E-Polymers*, **2008**, 8,	2.7	14
118	Free-standing TiO2SiO2/PANI composite nanofibers for ammonia sensors. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 3576-3583	2.1	14
117	Photooxidation Properties of Photosensitizer/Direct Dye Patterned Polyester/Cotton Fabrics. *Fibers and Polymers*, **2018**, 19, 1687-1693	2	14
116	MoS2 nanograins doped TiO2 nanofibers as intensified anodes for lithium ion batteries. *Materials Letters*, **2018**, 218, 47-51	3.3	13
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	2.4	13
114	Wintersweet Branch-Like C/C@SnO2/MoS2 Nanofibers as High-Performance Li and Na-Ion Battery Anodes. *Particle and Particle Systems Characterization*, **2017**, 34, 1700295	3.1	13
113	Characterization of PVAc/TiO2 hybrid nanofibers: From fibrous morphologies to molecular structures. *Journal of Applied Polymer Science*, **2009**, 112, 1481-1485	2.9	13

112	Photoinactivation of bacteria by hypocrellin-grafted bacterial cellulose. *Cellulose*, **2020**, 27, 991-1007	5.5	13
111	Preparation and characterization of electrospun polyvinyl alcoholstyrylpyridinium/β-cyclodextrin composite nanofibers: Release behavior and potential use for wound dressing. *Fibers and Polymers*, **2016**, 17, 1835-1841	2	13
110	Deposition of polytetrafluoroethylene nanoparticles on graphene oxide/polyester fabrics for oil adsorption. *Surface Engineering*, **2019**, 35, 426-434	2.6	13
109	Sequestration of Pb(II) Ions from Aqueous Systems with Novel Green Bacterial Cellulose Graphene Oxide Composite. *Materials*, **2019**, 12,	3.5	12
108	Effect of treatment pressure on structures and properties of PMIA fiber in supercritical carbon dioxide fluid. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	12
107	Electrospun synthesis and electrochemical property of zinc ferrite nanofibers. *Ionics*, **2016**, 22, 967-974	2.7	12
106	Direct electrochemistry of laccase and a hydroquinone biosensing application employing ZnO loaded carbon nanofibers. *RSC Advances*, **2014**, 4, 61831-61840	3.7	12
105	Fabrication and characterization of polyamide6-room temperature ionic liquid (PA6-RTIL) composite nanofibers by electrospinning. *Fibers and Polymers*, **2013**, 14, 1614-1619	2	12
104	Structures and properties of the polyester nonwovens coated with titanium dioxide by reactive sputtering **2010**, 7, 637-642		12
103	Preparation of bacterial cellulose/carbon nanotube nanocomposite for biological fuel cell. *Fibers and Polymers*, **2016**, 17, 1858-1865	2	12
102	Porous protoporphyrin IX-embedded cellulose diacetate electrospun microfibers in antimicrobial photodynamic inactivation. *Materials Science and Engineering C*, **2021**, 118, 111502	8.3	12
101	Flexible cellulose acetate nano-felts absorbed with capric–myristic–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	4.1	11
100	A form-stable phase change material made with a cellulose acetate nanofibrous mat from bicomponent electrospinning and incorporated capric–myristic–stearic acid ternary eutectic mixture for thermal energy storage/retrieval. *RSC Advances*, **2015**, 5, 84245-84251	3.7	11
99	Effect of a combination of torsional and cyclic fatigue preloading on the fracture behavior of K3 and K3XF instruments. *Journal of Endodontics*, **2015**, 41, 526-30	4.7	11
98	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	9.3	11
97	Rapid surface functionalization of cotton fabrics by modified hydrothermal synthesis of ZnO. *Journal of the Textile Institute*, **2017**, 108, 1391-1397	1.5	11
96	Synergistic Photodynamic and Photothermal Antibacterial Activity of In Situ Grown Bacterial Cellulose/MoS-Chitosan Nanocomposite Materials with Visible Light Illumination. *ACS Applied Materials & Interfaces*, **2021**, 13, 31193-31205	9.5	11
95	Flexible, Stretchable, and Multifunctional Electrospun Polyurethane Mats with 0D-1D-2D Ternary Nanocomposite-Based Conductive Networks. *Advanced Electronic Materials*, **2021**, 7, 2000840	6.4	11

94	Electrospinning of porous carbon nanocomposites for supercapacitor. *Fibers and Polymers*, **2015**, 16, 421-425	2	10
93	TiO 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,	4.5	10
92	One-pot synthesis and electrochemical property of MnO/C hybrid microspheres. *Ionics*, **2013**, 19, 595-600	2.7	10
91	Electrochemical properties of rutile TiO2 nanorods as anode material for lithium-ion batteries. *Ionics*, **2012**, 18, 667-672	2.7	10
90	Preparation, Morphology and Properties of Electrospun Lauric Acid/PET Form-Stable Phase Change Ultrafine Composite Fibres. *Polymers and Polymer Composites*, **2011**, 19, 773-780	0.8	10
89	Multifunctional Wearable Strain Sensor Made with an Elastic Interwoven Fabric for Patients with Motor Dysfunction. *Advanced Materials Technologies*, **2020**, 5, 2000560	6.8	10
88	In situ formed active and intelligent bacterial cellulose/cotton fiber composite containing curcumin. *Cellulose*, **2020**, 27, 9371-9382	5.5	10
87	Bacterial Cellulose Reinforced Polyaniline Electroconductive Hydrogel with Multiple Weak H-Bonds as Flexible and Sensitive Strain Sensor. *Macromolecular Materials and Engineering*, **2021**, 306, 2100159	3.9	10
86	Sol-Gel Synthesis of Carbon Xerogel-ZnO Composite for Detection of Catechol. *Materials*, **2016**, 9,	3.5	10
85	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	5.5	9
84	Preparation of self-clustering highly oriented nanofibers by needleless electrospinning methods. *Fibers and Polymers*, **2016**, 17, 1414-1420	2	9
83	Structural Coloration of Polyester Fabrics Coated with Al/TiO□Composite Films and Their Anti-Ultraviolet Properties. *Materials*, **2018**, 11,	3.5	9
82	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	0.8	9
81	Surface and Interface Investigation of Indium-Tin-Oxide (ITO) Coated Nonwoven Fabrics. *Journal of Adhesion Science and Technology*, **2010**, 24, 135-147	2	9
80	Surface characterization and properties of functionalized nonwoven. *Journal of Applied Polymer Science*, **2008**, 107, 132-137	2.9	9
79	Preparation of a cellulose acetate/organic montmorillonite composite porous ultrafine fiber membrane for enzyme immobilization. *Journal of Applied Polymer Science*, **2016**, 133,	2.9	9
78	Electrospun TiO2 nanofibers coated with polydopamine for enhanced sunlight-driven photocatalytic degradation of cationic dyes. *Surface and Interface Analysis*, **2019**, 51, 169-176	1.5	9
77	Insitu Self-Assembly of Bacterial Cellulose on Banana Fibers Extracted from Peels. *Journal of Natural Fibers*, **2020**, 17, 1317-1328	1.8	9

76	Ammonia Sensing Performance of Polyaniline-Coated Polyamide 6 Nanofibers. *ACS Omega*, **2021**, 6, 8950-8957	3.9	9
75	A Novel Multilayer Composite Membrane for Wound Healing in Mice Skin Defect Model. *Polymers*, **2020**, 12,	4.5	8
74	Preparation and characterization of porous carbon based nanocomposite for supercapacitor. *Fibers and Polymers*, **2014**, 15, 1236-1241	2	8
73	Preparation and the light transmittance of TiO2 deposited fabrics **2009**, 6, 549-555		8
72	Dynamic wetting of plasma-treated polypropylene nonwovens. *Journal of Applied Polymer Science*, **2007**, 104, 2157-2160	2.9	8
71	Light-driven self-disinfecting textiles functionalized by PCN-224 and Ag nanoparticles. *Journal of Hazardous Materials*, **2021**, 416, 125786	12.8	8
70	Fabrication and characterization of porous cellulose acetate films by breath figure incorporated with capric acid as form-stable phase change materials for storing/retrieving thermal energy. *Fibers and Polymers*, **2017**, 18, 253-263	2	7
69	Ultralight nanocomposite aerogels with interpenetrating network structure of bacterial cellulose for oil absorption. *Journal of Applied Polymer Science*, **2019**, 136, 48000	2.9	7
68	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	4.1	7
67	Characterisation of PET nonwoven deposited with Ag/FC nanocomposite films. *Surface Engineering*, **2018**, 34, 838-845	2.6	7
66	Functionalization of ceramic fibers by metallic sputter coating **2010**, 7, 99-103		7
65	Physical properties of Al-doped ZnO films deposited on nonwoven substrates by radio frequence magnetron sputtering **2008**, 5, 393-397		7
64	Surface nanostructures and dynamic contact angles of functionalized poly(ethylene terephthalate) fibers. *Journal of Applied Polymer Science*, **2008**, 109, 654-658	2.9	7
63	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	8.3	7
62	Polyvinylpyrrolidone-derived carbon-coated magnesium ferrite composite nanofibers as anode material for high-performance lithium-ion batteries. *Ionics*, **2018**, 24, 297-301	2.7	7
61	Hydrothermal Growth of Ag-Doped ZnO Nanoparticles on Electrospun Cellulose Nanofibrous Mats for Catechol Detection. *Electroanalysis*, **2015**, 27, 1490-1497	3	6
60	Surface functionalization of polymer nanofibers by ITO sputter coating **2010**, 7, 511-514		6
59	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	9.3	6

58	Properties and application of multi-functional and structurally colored textile prepared by magnetron sputtering. *Journal of Industrial Textiles*, **2020**, 152808371990067	1.6	5
57	Cu Nanoparticles Improved Thermal Property of Form-Stable Phase Change Materials Made with Carbon Nanofibers and LA-MA-SA Eutectic Mixture. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 2723-2731	1.3	5
56	Preparation of magnetic polyimide/maghemite nanocomposite fibers by electrospinning. *High Performance Polymers*, **2014**, 26, 810-816	1.6	5
55	Atom efficient thermal and photocuring combined treatments for the synthesis of novel eco-friendly grid-like zein nanofibres. *RSC Advances*, **2014**, 4, 61573-61579	3.7	5
54	Depositon of ZnO on polyacrylonitrile fiber by thermal solvent coating. *Fibers and Polymers*, **2011**, 12, 214-219	2	5
53	Surface nanaostructure evolution of functionalized polypropylene fibers. *Journal of Applied Polymer Science*, **2007**, 106, 1243-1247	2.9	5
52	Laccase Biosensor Based on Ag-Doped TiO2 Nanoparticles on CuCNFs for the Determination of Hydroquinone. *Nano*, **2016**, 11, 1650132	1.1	5
51	Preparation and characterization of apoacynum venetum cellulose nanofibers reinforced chitosan-based composite hydrogels. *Colloids and Surfaces B: Biointerfaces*, **2021**, 199, 111441	6	5
50	Fabrication of Form-Stable Phase Change Materials Based on Mechanically Flexible SiO Nanofibrous Mats for Thermal Energy Storage/Retrieval. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 5562-5571	1.3	4
49	Fabrication of hierarchically porous TiO nanofibers by microemulsion electrospinning and their application as anode material for lithium-ion batteries. *Beilstein Journal of Nanotechnology*, **2017**, 8, 1297-1306	3	4
48	Facile synthesis of one-dimensional mesoporous cobalt ferrite nanofibers for high lithium storage anode material. *Ionics*, **2019**, 25, 125-132	2.7	4
47	Nanoscale three-point bending of single polymer/inorganic composite nanofiber. *Journal of the Textile Institute*, **2012**, 103, 154-158	1.5	4
46	Use of MWNTs-COOH to improve thermal energy storage and release rates of capric palmitic stearic acid ternary eutectic/polyacrylonitrile form-stable phase change composite fibrous membranes. *Polymer Engineering and Science*, **2018**, 59, E403	2.3	4
45	Ultrafast gelation of multifunctional hydrogel/composite based on self-catalytic Fe/Tannic acid-cellulose nanofibers. *Journal of Colloid and Interface Science*, **2022**, 606, 1457-1468	9.3	4
44	Study on dynamic mechanical properties of a nylon-like polyester tire cord. *Journal of Engineered Fibers and Fabrics*, **2019**, 14, 155892501986880	0.9	3
43	A Facile Approach for Preparing Ag Functionalized Nonwoven Polypropylene Membrane to Improve Its Electrical Conductivity and Electromagnetic Shielding Performance. *Materials*, **2019**, 12,	3.5	3
42	Superior Form-Stable Phase Change Material Made with Graphene-Connected Carbon Nanofibers and Fatty Acid Eutectics. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 7044-7053	1.3	3
41	Self-layering behavior of PET fiber deposition in melt-electrospinning process. *Fibers and Polymers*, **2017**, 18, 1981-1987	2	3

40	Preparation of Amidoxime Polyacrylonitrile Nanofibrous Membranes and Their Applications in Enzymatic Membrane Reactor. *Journal of Engineered Fibers and Fabrics*, **2014**, 9, 155892501400900	0.9	3
39	Preparation and characterization of polyaniline/Fe3O4 polyacrylonitrile composite nanofibers. *International Journal of Materials Research*, **2012**, 103, 1390-1394	0.5	3
38	Comparative studies of polypropylene nonwoven sputtered with ITO and AZO. *Journal of Applied Polymer Science*, **2009**, 114, 1813-1819	2.9	3
37	Thermal stability and crystalline of electrospun polyamide 6/organo-montmorillonite nanofibers. *Journal of Applied Polymer Science*, **2010**, 117, NA-NA	2.9	3
36	Comparative studies of functional nanostructures sputtered on polypropylene nonwovens. *E-Polymers*, **2007**, 7,	2.7	3
35	Bioactive Icariin/ECD-IC/Bacterial Cellulose with Enhanced Biomedical Potential. *Nanomaterials*, **2021**, 11,	5.4	3
34	Hydrothermal synthesis and high electrochemical performance of ordered mesoporous Co/CMK-3 nanocomposites. *Ionics*, **2018**, 24, 715-721	2.7	3
33	Highly Sensitive and Stretchable c-MWCNTs/PPy Embedded Multidirectional Strain Sensor Based on Double Elastic Fabric for Human Motion Detection. *Nanomaterials*, **2021**, 11,	5.4	3
32	Recent Advances in Functional Bacterial Cellulose for Wearable Physical Sensing Applications. *Advanced Materials Technologies*,2100617	6.8	3
31	Nature-Inspired Hydrogel Network for Efficient Tissue-Specific Underwater Adhesive.. *ACS Applied Materials & Interfaces*, **2021**, 13, 59761-59771	9.5	3
30	Ginsenoside Rg1 attenuates LPS-induced chronic renal injury by inhibiting NOX4-NLRP3 signaling in mice.. *Biomedicine and Pharmacotherapy*, **2022**, 150, 112936	7.5	3
29	Reusable Surface-Modified Bacterial Cellulose Based on Atom Transfer Radical Polymerization Technology with Excellent Catalytic Properties. *Nanomaterials*, **2019**, 9,	5.4	2
28	Fabrication and characterization of electrospun porous cellulose acetate nanofibrous mats incorporated with capric acid as form-stable phase change materials for storing/retrieving thermal energy. *International Journal of Green Energy*, **2017**, 14, 1011-1019	3	2
27	Effects of Imidization Temperature on the Structure and Properties of Electrospun Polyimide Nanofibers. *Journal of Engineered Fibers and Fabrics*, **2014**, 9, 155892501400900	0.9	2
26	Preparation and Characterization of porous Carbon/Nickel Nanofibers for Supercapacitor. *Journal of Engineered Fibers and Fabrics*, **2013**, 8, 155892501300800	0.9	2
25	Structure and Morphological Evolvement of Electrospun Polyacrylonitrile/Organic Modified Fe-Montmorillonite Composite Carbon Nanofibers. *International Journal of Polymer Analysis and Characterization*, **2011**, 16, 24-35	1.7	2
24	All-electrospun performance-enhanced triboelectric nanogenerator based on the charge-storage process. *Journal of Materials Science*, **2022**, 57, 5334	4.3	2
23	Microporous cyclodextrin film with funnel-type channel polymerized on electrospun cellulose acetate membrane as separators for strong trapping polysulfides and boosting charging in lithium-sulfur batteries. *Energy and Environmental Materials*,	13	2

22	Color-Variable Photodynamic Antimicrobial Wool/Acrylic Blended Fabrics. *Materials*, **2020**, 13,	3.5	2
21	Fabrication of metal-organic frameworks-derived porous NiCo2O4 nanofibers for high lithium storage properties. *Ionics*, **2021**, 27, 3219-3229	2.7	2
20	3-D Deformation Behavior Simulation of Cable Stitch Based on Particle System in Weft Knitted Fabrics. *Fibers and Polymers*, **2018**, 19, 1997-2006	2	2
19	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	4.1	2
18	Preparation and characteristics of an advanced polyester tire cord with hybrid effect. *Journal of Engineered Fibers and Fabrics*, **2019**, 14, 155892501882527	0.9	1
17	Synthesized OH-radical rich bacteria cellulosic pockets with photodynamic bacteria inactivation properties against S. ureus and E. coli. *Materials Science and Engineering C*, **2020**, 116, 111230	8.3	1
16	Study on the conductive effectiveness of nanoscale copper films sputtered on the surface of polyester nonwoven fabrics. *Journal of the Textile Institute*, **2018**, 109, 1395-1399	1.5	1
15	Morphology, thermal and mechanical properties of PVAc/ TiO2 hybrid nanofibers. *E-Polymers*, **2009**, 9,	2.7	1
14	Preparation and Photocatalytic Activity of -Deposited Fabrics. *International Journal of Photoenergy*, **2012**, 2012, 1-5	2.1	1
13	A Stretchable Electrode for Single Enzymatic Biofuel Cells. *Materials Today Energy*, **2021**, 100886	7	1
12	Novel germanium-polyamide6 fibers with negative air ions release and far-infrared radiation as well as antibacterial property. *Textile Reseach Journal*,004051752110683	1.7	1
11	Electrospun MnCo2O4/C composite nanofibers as anodes with improved lithium storage performance. *Ionics*, **2020**, 26, 1229-1238	2.7	1
10	Study on the structure and properties of Ag/Cu nanocomposite film deposited on the surface of polyester substrates. *Journal of the Textile Institute*, **2020**, 1-7	1.5	1
9	High-performance polyacrylonitrile-based pre-oxidized fibers fabricated through strategy with chemical pretreatment, layer-by-layer assembly, and stabilization techniques. *High Performance Polymers*, **2021**, 33, 105-114	1.6	1
8	Graphene Oxide/Polyester Fabric Composite by Electrostatic Self-Assembly as a New Recyclable Adsorbent for the Removal of Methylene Blue. *Fibers and Polymers*, **2018**, 19, 1726-1734	2	1
7	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	7.8	1
6	Biomass-derived nanocellulose aerogel enable highly efficient immobilization of laccase for the degradation of organic pollutants.. *Bioresource Technology*, **2022**, 127311	11	1
5	A study on the viscoelastic behaviors of tire cords using dynamic mechanical analysis. *Journal of Engineered Fibers and Fabrics*, **2020**, 15, 155892502091519	0.9	0

4	Nerve Decellularized Matrix Composite Scaffold With High Antibacterial Activity for Nerve Regeneration.. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 840421	5.8	0
3	In situ grown bacterial cellulose/MoS composites for multi-contaminant wastewater treatment and bacteria inactivation. *Carbohydrate Polymers*, **2022**, 277, 118853	10.3	0
2	Necklace-like NiCo2O4@carbon composite nanofibers derived from metal–organic framework compounds for high-rate lithium storage. *Materials Chemistry Frontiers*, **2021**, 5, 5726-5737	7.8	0
1	Sulfanilic acid inspired self-assembled fibrous materials. *Colloid and Polymer Science*, **2016**, 294, 1483-1494	2.4	