

Huimin Zhou

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	All-electrospun performance-enhanced triboelectric nanogenerator based on the charge-storage process. <i>Journal of Materials Science</i> , 2022 , 57, 5334	4.3	2
200	In situ grown bacterial cellulose/MoS composites for multi-contaminant wastewater treatment and bacteria inactivation. <i>Carbohydrate Polymers</i> , 2022 , 277, 118853	10.3	0
199	Ultrafast gelation of multifunctional hydrogel/composite based on self-catalytic Fe/Tannic acid-cellulose nanofibers. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1457-1468	9.3	4
198	Fabrication and Performance of Shape-Stable Phase Change Composites Supported by Environment-Friendly and Economical Loofah Sponge Fibers for Thermal Energy Storage. <i>Energy & Fuels</i> , 2022 , 36, 3938-3946	4.1	2
197	Ginsenoside Rg1 attenuates LPS-induced chronic renal injury by inhibiting NOX4-NLRP3 signaling in mice.. <i>Biomedicine and Pharmacotherapy</i> , 2022 , 150, 112936	7.5	3
196	Biomass-derived nanocellulose aerogel enable highly efficient immobilization of laccase for the degradation of organic pollutants.. <i>Bioresource Technology</i> , 2022 , 127311	11	1
195	Nerve Decellularized Matrix Composite Scaffold With High Antibacterial Activity for Nerve Regeneration.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 840421	5.8	0
194	A Stretchable Electrode for Single Enzymatic Biofuel Cells. <i>Materials Today Energy</i> , 2021 , 100886	7	1
193	A plant-inspired long-lasting adhesive bilayer nanocomposite hydrogel based on redox-active Ag/Tannic acid-Cellulose nanofibers. <i>Carbohydrate Polymers</i> , 2021 , 255, 117508	10.3	30
192	Bacterial Cellulose Reinforced Polyaniline Electroconductive Hydrogel with Multiple Weak H-Bonds as Flexible and Sensitive Strain Sensor. <i>Macromolecular Materials and Engineering</i> , 2021 , 306, 2100159	3.9	10
191	All-Fiber-Structured Triboelectric Nanogenerator via One-Pot Electrospinning for Self-Powered Wearable Sensors. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 24774-24784	9.5	19
190	High-performance room temperature NO ₂ gas sensor based on visible light irradiated In ₂ O ₃ nanowires. <i>Journal of Alloys and Compounds</i> , 2021 , 867, 159076	5.7	21
189	Fabrication of metal-organic frameworks-derived porous NiCo ₂ O ₄ nanofibers for high lithium storage properties. <i>Ionics</i> , 2021 , 27, 3219-3229	2.7	2
188	Synergistic Photodynamic and Photothermal Antibacterial Activity of In Situ Grown Bacterial Cellulose/MoS-Chitosan Nanocomposite Materials with Visible Light Illumination. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 31193-31205	9.5	11
187	Bacterial cellulose hydrogel: A promising electrolyte for flexible zinc-air batteries. <i>Journal of Power Sources</i> , 2021 , 482, 228963	8.9	25
186	Encapsulating enzyme into metal-organic framework during in-situ growth on cellulose acetate nanofibers as self-powered glucose biosensor. <i>Biosensors and Bioelectronics</i> , 2021 , 171, 112690	11.8	48
185	Porous protoporphyrin IX-embedded cellulose diacetate electrospun microfibers in antimicrobial photodynamic inactivation. <i>Materials Science and Engineering C</i> , 2021 , 118, 111502	8.3	12

184	Preparation and characterization of apoacynum venetum cellulose nanofibers reinforced chitosan-based composite hydrogels. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 199, 111441	6	5
183	Flexible, Stretchable, and Multifunctional Electrospun Polyurethane Mats with 0D-1D-2D Ternary Nanocomposite-Based Conductive Networks. <i>Advanced Electronic Materials</i> , 2021 , 7, 2000840	6.4	11
182	Mussel-inspired double cross-linked hydrogels with desirable mechanical properties, strong tissue-adhesiveness, self-healing properties and antibacterial properties. <i>Materials Science and Engineering C</i> , 2021 , 120, 111690	8.3	7
181	High-performance polyacrylonitrile-based pre-oxidized fibers fabricated through strategy with chemical pretreatment, layer-by-layer assembly, and stabilization techniques. <i>High Performance Polymers</i> , 2021 , 33, 105-114	1.6	1
180	Smart Textiles with Self-Disinfection and Photothermochromic Effects. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 2245-2255	9.5	17
179	Necklace-like NiCo ₂ O ₄ @carbon composite nanofibers derived from metal-organic framework compounds for high-rate lithium storage. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 5726-5737	7.8	0
178	Bioactive Icaritin/ECD-IC/Bacterial Cellulose with Enhanced Biomedical Potential. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
177	Ammonia Sensing Performance of Polyaniline-Coated Polyamide 6 Nanofibers. <i>ACS Omega</i> , 2021 , 6, 8950-8957	5.9	9
176	Light-driven self-disinfecting textiles functionalized by PCN-224 and Ag nanoparticles. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125786	12.8	8
175	Highly Sensitive and Stretchable c-MWCNTs/PPy Embedded Multidirectional Strain Sensor Based on Double Elastic Fabric for Human Motion Detection. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
174	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. <i>Journal of Energy Storage</i> , 2021 , 43, 103187	7.8	1
173	Dual-functional biocatalytic membrane containing laccase-embedded metal-organic frameworks for detection and degradation of phenolic pollutant. <i>Journal of Colloid and Interface Science</i> , 2021 , 603, 771-782	9.3	6
172	Nature-Inspired Hydrogel Network for Efficient Tissue-Specific Underwater Adhesive.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 59761-59771	9.5	3
171	3D Lamellar Structure of Biomass-Based Porous Carbon Derived from Towel Gourd toward Phase Change Composites with Thermal Management and Protection.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 8923-8932	4.1	7
170	Synthesized OH-radical rich bacteria cellulosic pockets with photodynamic bacteria inactivation properties against S. ureus and E. coli. <i>Materials Science and Engineering C</i> , 2020 , 116, 111230	8.3	1
169	FeNi alloy nanoparticles embedded in electrospun nitrogen-doped carbon fibers for efficient oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2020 , 578, 805-813	9.3	11
168	A study on the viscoelastic behaviors of tire cords using dynamic mechanical analysis. <i>Journal of Engineered Fibers and Fabrics</i> , 2020 , 15, 155892502091519	0.9	0
167	Hierarchical porous nanofibers containing thymol/beta-cyclodextrin: Physico-chemical characterization and potential biomedical applications. <i>Materials Science and Engineering C</i> , 2020 , 115, 111155	8.3	21

166	Insight into light-driven antibacterial cotton fabrics decorated by in situ growth strategy. <i>Journal of Colloid and Interface Science</i> , 2020 , 579, 233-242	9.3	17
165	A Novel Multilayer Composite Membrane for Wound Healing in Mice Skin Defect Model. <i>Polymers</i> , 2020 , 12,	4.5	8
164	MoS ₂ Nanoplates Embedded in Co ^{II} -Doped Carbon Nanocages as Efficient Catalyst for HER and OER. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 5724-5733	8.3	19
163	MOF-Derived Sulfide-Based Electrocatalyst and Scaffold for Boosted Hydrogen Production. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 33595-33602	9.5	32
162	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. <i>Polymers</i> , 2020 , 12,	4.5	10
161	Properties and application of multi-functional and structurally colored textile prepared by magnetron sputtering. <i>Journal of Industrial Textiles</i> , 2020 , 152808371990067	1.6	5
160	Carbon quantum dots: A bright future as photosensitizers for in vitro antibacterial photodynamic inactivation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020 , 206, 111864	6.7	33
159	Carbon quantum dots embedded electrospun nanofibers for efficient antibacterial photodynamic inactivation. <i>Materials Science and Engineering C</i> , 2020 , 108, 110377	8.3	25
158	Photoinactivation of bacteria by hypocrellin-grafted bacterial cellulose. <i>Cellulose</i> , 2020 , 27, 991-1007	5.5	13
157	Electrospun MnCo ₂ O ₄ /C composite nanofibers as anodes with improved lithium storage performance. <i>Ionics</i> , 2020 , 26, 1229-1238	2.7	1
156	A laccase based biosensor on AuNPs-MoS modified glassy carbon electrode for catechol detection. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 186, 110683	6	29
155	A Dual-Mode Wearable Sensor Based on Bacterial Cellulose Reinforced Hydrogels for Highly Sensitive Strain/Pressure Sensing. <i>Advanced Electronic Materials</i> , 2020 , 6, 1900934	6.4	48
154	Color-Variable Photodynamic Antimicrobial Wool/Acrylic Blended Fabrics. <i>Materials</i> , 2020 , 13,	3.5	2
153	Study on the structure and properties of Ag/Cu nanocomposite film deposited on the surface of polyester substrates. <i>Journal of the Textile Institute</i> , 2020 , 1-7	1.5	1
152	Multifunctional Wearable Strain Sensor Made with an Elastic Interwoven Fabric for Patients with Motor Dysfunction. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000560	6.8	10
151	In situ formed active and intelligent bacterial cellulose/cotton fiber composite containing curcumin. <i>Cellulose</i> , 2020 , 27, 9371-9382	5.5	10
150	Insitu Self-Assembly of Bacterial Cellulose on Banana Fibers Extracted from Peels. <i>Journal of Natural Fibers</i> , 2020 , 17, 1317-1328	1.8	9
149	Sequestration of Pb(II) Ions from Aqueous Systems with Novel Green Bacterial Cellulose Graphene Oxide Composite. <i>Materials</i> , 2019 , 12,	3.5	12

148	Study on dynamic mechanical properties of a nylon-like polyester tire cord. <i>Journal of Engineered Fibers and Fabrics</i> , 2019 , 14, 155892501986880	0.9	3
147	A Facile Approach for Preparing Ag Functionalized Nonwoven Polypropylene Membrane to Improve Its Electrical Conductivity and Electromagnetic Shielding Performance. <i>Materials</i> , 2019 , 12,	3.5	3
146	MoS Coexisting in 1T and 2H Phases Synthesized by Common Hydrothermal Method for Hydrogen Evolution Reaction. <i>Nanomaterials</i> , 2019 , 9,	5.4	45
145	Ultralight nanocomposite aerogels with interpenetrating network structure of bacterial cellulose for oil absorption. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 48000	2.9	7
144	In situ 3D bacterial cellulose/nitrogen-doped graphene oxide quantum dot-based membrane fluorescent probes for aggregation-induced detection of iron ions. <i>Cellulose</i> , 2019 , 26, 6073-6086	5.5	9
143	Superior Form-Stable Phase Change Material Made with Graphene-Connected Carbon Nanofibers and Fatty Acid Eutectics. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 7044-7053	1.3	3
142	Fabrication of Form-Stable Phase Change Materials Based on Mechanically Flexible SiO ₂ Nanofibrous Mats for Thermal Energy Storage/Retrieval. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 5562-5571	1.3	4
141	Highly Sensitive and Stretchable CNT-Bridged AgNP Strain Sensor Based on TPU Electrospun Membrane for Human Motion Detection. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900241	6.4	56
140	Preparation and characteristics of an advanced polyester tire cord with hybrid effect. <i>Journal of Engineered Fibers and Fabrics</i> , 2019 , 14, 155892501882527	0.9	1
139	Facile synthesis of one-dimensional mesoporous cobalt ferrite nanofibers for high lithium storage anode material. <i>Ionics</i> , 2019 , 25, 125-132	2.7	4
138	Wool/Acrylic Blended Fabrics as Next-Generation Photodynamic Antimicrobial Materials. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 29557-29568	9.5	32
137	Ultralight and Flexible Carbon Foam-Based Phase Change Composites with High Latent-Heat Capacity and Photothermal Conversion Capability. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 31997-32007	9.5	61
136	Fibrous Network of C@MoS Nanocapsule-Decorated Cotton Linters Interconnected by Bacterial Cellulose for Lithium- and Sodium-Ion Batteries. <i>ChemSusChem</i> , 2019 , 12, 5075-5080	8.3	16
135	Reusable Surface-Modified Bacterial Cellulose Based on Atom Transfer Radical Polymerization Technology with Excellent Catalytic Properties. <i>Nanomaterials</i> , 2019 , 9,	5.4	2
134	A multifunctional and highly stretchable electronic device based on silver nanowire/wrap yarn composite for a wearable strain sensor and heater. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 13468-13476	7.1	41
133	Electrospun TiO ₂ nanofibers coated with polydopamine for enhanced sunlight-driven photocatalytic degradation of cationic dyes. <i>Surface and Interface Analysis</i> , 2019 , 51, 169-176	1.5	9
132	Deposition of polytetrafluoroethylene nanoparticles on graphene oxide/polyester fabrics for oil adsorption. <i>Surface Engineering</i> , 2019 , 35, 426-434	2.6	13
131	MoS ₂ nanograins doped TiO ₂ nanofibers as intensified anodes for lithium ion batteries. <i>Materials Letters</i> , 2018 , 218, 47-51	3.3	13

130	Protoporphyrin IX conjugated bacterial cellulose via diamide spacer arms with specific antibacterial photodynamic inactivation against Escherichia coli. <i>Cellulose</i> , 2018 , 25, 1673-1686	5.5	25
129	Characterisation of PET nonwoven deposited with Ag/FC nanocomposite films. <i>Surface Engineering</i> , 2018 , 34, 838-845	2.6	7
128	A Novel In Situ Self-Assembling Fabrication Method for Bacterial Cellulose-Electrospun Nanofiber Hybrid Structures. <i>Polymers</i> , 2018 , 10,	4.5	16
127	Structural Coloration of Polyester Fabrics Coated with Al/TiO ₂ Composite Films and Their Anti-Ultraviolet Properties. <i>Materials</i> , 2018 , 11,	3.5	9
126	Study on the conductive effectiveness of nanoscale copper films sputtered on the surface of polyester nonwoven fabrics. <i>Journal of the Textile Institute</i> , 2018 , 109, 1395-1399	1.5	1
125	High Adsorption Pearl-Necklace-Like Composite Membrane Based on Metal-Organic Framework for Heavy Metal Ion Removal. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1700438	3.1	26
124	Microwave-Assisted Rapid Preparation of Nano-ZnO/Ag Composite Functionalized Polyester Nonwoven Membrane for Improving Its UV Shielding and Antibacterial Properties. <i>Materials</i> , 2018 , 11,	3.5	21
123	Cu Nanoparticles Improved Thermal Property of Form-Stable Phase Change Materials Made with Carbon Nanofibers and LA-MA-SA Eutectic Mixture. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 2723-2731	1.3	5
122	Polyvinylpyrrolidone-derived carbon-coated magnesium ferrite composite nanofibers as anode material for high-performance lithium-ion batteries. <i>Ionics</i> , 2018 , 24, 297-301	2.7	7
121	Free-standing TiO ₂ /BiO ₂ /PANI composite nanofibers for ammonia sensors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 3576-3583	2.1	14
120	Electrospun AOPAN/RC blend nanofiber membrane for efficient removal of heavy metal ions from water. <i>Journal of Hazardous Materials</i> , 2018 , 344, 819-828	12.8	84
119	Hydrothermal synthesis and high electrochemical performance of ordered mesoporous Co/CMK-3 nanocomposites. <i>Ionics</i> , 2018 , 24, 715-721	2.7	3
118	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. <i>Polymer Engineering and Science</i> , 2018 , 59, E403	2.3	4
117	3-D Deformation Behavior Simulation of Cable Stitch Based on Particle System in Weft Knitted Fabrics. <i>Fibers and Polymers</i> , 2018 , 19, 1997-2006	2	2
116	C@TiO ₂ /MoO ₃ Composite Nanofibers with 1T-Phase MoS ₂ Nanograin Dopant and Stabilized Interfaces as Anodes for Li- and Na-Ion Batteries. <i>ChemSusChem</i> , 2018 , 11, 4060-4070	8.3	17
115	Graphene Oxide/Polyester Fabric Composite by Electrostatic Self-Assembly as a New Recyclable Adsorbent for the Removal of Methylene Blue. <i>Fibers and Polymers</i> , 2018 , 19, 1726-1734	2	1
114	Photooxidation Properties of Photosensitizer/Direct Dye Patterned Polyester/Cotton Fabrics. <i>Fibers and Polymers</i> , 2018 , 19, 1687-1693	2	14
113	A highly flexible self-powered biosensor for glucose detection by epitaxial deposition of gold nanoparticles on conductive bacterial cellulose. <i>Chemical Engineering Journal</i> , 2018 , 351, 177-188	14.7	57

112	An environmentally benign approach to achieving vectorial alignment and high microporosity in bacterial cellulose/chitosan scaffolds. <i>RSC Advances</i> , 2017 , 7, 13678-13688	3.7	30
111	Tin nanoparticles embedded in ordered mesoporous carbon as high-performance anode for sodium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 1385-1395	2.6	17
110	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. <i>Fibers and Polymers</i> , 2017 , 18, 253-263	2	7
109	Effect of pore distribution on the lithium storage properties of porous C/SnO ₂ nanofibers. <i>Journal of Alloys and Compounds</i> , 2017 , 711, 414-423	5.7	15
108	Carbon-Coated Magnesium Ferrite Nanofibers for Lithium-Ion Battery Anodes with Enhanced Cycling Performance. <i>Energy Technology</i> , 2017 , 5, 1364-1372	3.5	16
107	Flexible cellulose acetate nano-felts absorbed with capric/Myristic/Stearyl acid ternary eutectic mixture as form-stable phase-change materials for thermal energy storage/retrieval. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 128, 661-673	4.1	11
106	Fabrication of hierarchically porous TiO ₂ nanofibers by microemulsion electrospinning and their application as anode material for lithium-ion batteries. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 1297-1306	3.3	14
105	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. <i>International Journal of Green Energy</i> , 2017 , 14, 1011-1019	3	2
104	Self-layering behavior of PET fiber deposition in melt-electrospinning process. <i>Fibers and Polymers</i> , 2017 , 18, 1981-1987	2	3
103	Wintersweet Branch-Like C/C@SnO ₂ /MoS ₂ Nanofibers as High-Performance Li and Na-Ion Battery Anodes. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1700295	3.1	13
102	Rapid surface functionalization of cotton fabrics by modified hydrothermal synthesis of ZnO. <i>Journal of the Textile Institute</i> , 2017 , 108, 1391-1397	1.5	11
101	Effect of In ₂ O ₃ nanofiber structure on the ammonia sensing performances of In ₂ O ₃ /PANI composite nanofibers. <i>Journal of Materials Science</i> , 2017 , 52, 686-695	4.3	22
100	Sulfanilic acid inspired self-assembled fibrous materials. <i>Colloid and Polymer Science</i> , 2016 , 294, 1483-1494	2.4	14
99	Preparation of self-clustering highly oriented nanofibers by needleless electrospinning methods. <i>Fibers and Polymers</i> , 2016 , 17, 1414-1420	2	9
98	Electrospun synthesis and electrochemical property of zinc ferrite nanofibers. <i>Ionics</i> , 2016 , 22, 967-974	2.7	12
97	Electrical and optical properties of polyester fabric coated with Ag/TiO ₂ composite films by magnetron sputtering. <i>Textile Research Journal</i> , 2016 , 86, 887-894	1.7	18
96	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. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 123, 1293-1307	4.1	37
95	Ammonia gas sensors based on InO/PANI hetero-nanofibers operating at room temperature. <i>Beilstein Journal of Nanotechnology</i> , 2016 , 7, 1312-1321	3	27

94	Electrochemical Properties of LLTO/Fluoropolymer-Shell Cellulose-Core Fibrous Membrane for Separator of High Performance Lithium-Ion Battery. <i>Materials</i> , 2016 , 9,	3.5	16
93	Sol-Gel Synthesis of Carbon Xerogel-ZnO Composite for Detection of Catechol. <i>Materials</i> , 2016 , 9,	3.5	10
92	Preparation of Pd/Bacterial Cellulose Hybrid Nanofibers for Dopamine Detection. <i>Molecules</i> , 2016 , 21,	4.8	23
91	Preparation of a cellulose acetate/organic montmorillonite composite porous ultrafine fiber membrane for enzyme immobilization. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	9
90	Laccase Biosensor Based on Ag-Doped TiO ₂ Nanoparticles on CuCNFs for the Determination of Hydroquinone. <i>Nano</i> , 2016 , 11, 1650132	1.1	5
89	Preparation of bacterial cellulose/carbon nanotube nanocomposite for biological fuel cell. <i>Fibers and Polymers</i> , 2016 , 17, 1858-1865	2	12
88	Preparation and characterization of electrospun polyvinyl alcoholstyrylpyridinium/ β -cyclodextrin composite nanofibers: Release behavior and potential use for wound dressing. <i>Fibers and Polymers</i> , 2016 , 17, 1835-1841	2	13
87	Laccase immobilized on PAN/O-MMT composite nanofibers support for substrate bioremediation: a de novo adsorption and biocatalytic synergy. <i>RSC Advances</i> , 2016 , 6, 41420-41427	3.7	26
86	Effect of treatment pressure on structures and properties of PMIA fiber in supercritical carbon dioxide fluid. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	12
85	Preparation of a graphene-loaded carbon nanofiber composite with enhanced graphitization and conductivity for biosensing applications. <i>RSC Advances</i> , 2015 , 5, 30602-30609	3.7	14
84	Phase Transformation Behavior and Resistance to Bending and Cyclic Fatigue of ProTaper Gold and ProTaper Universal Instruments. <i>Journal of Endodontics</i> , 2015 , 41, 1134-8	4.7	134
83	Coaxial Electrospun Cellulose-Core Fluoropolymer-Shell Fibrous Membrane from Recycled Cigarette Filter as Separator for High Performance Lithium-Ion Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 932-940	8.3	84
82	Electrospinning of porous carbon nanocomposites for supercapacitor. <i>Fibers and Polymers</i> , 2015 , 16, 421-425	2	10
81	Dye-Sensitized Solar Cells Based on Porous Hollow Tin Oxide Nanofibers. <i>IEEE Transactions on Electron Devices</i> , 2015 , 62, 2027-2032	2.9	23
80	ProFile Vortex and Vortex Blue Nickel-Titanium Rotary Instruments after Clinical Use. <i>Journal of Endodontics</i> , 2015 , 41, 937-42	4.7	33
79	A form-stable phase change material made with a cellulose acetate nanofibrous mat from bicomponent electrospinning and incorporated capric/myristic/stearyl acid ternary eutectic mixture for thermal energy storage/retrieval. <i>RSC Advances</i> , 2015 , 5, 84245-84251	3.7	11
78	An investigation for the performance of meta-aramid fiber blends treated in supercritical carbon dioxide fluid. <i>Fibers and Polymers</i> , 2015 , 16, 1134-1141	2	22
77	Cyclic Fatigue of ProFile Vortex and Vortex Blue Nickel-Titanium Files in Single and Double Curvatures. <i>Journal of Endodontics</i> , 2015 , 41, 1686-90	4.7	44

76	Establishment of an activated peroxide system for low-temperature cotton bleaching using N-[4-(triethylammoniomethyl)benzoyl]butyrolactam chloride. <i>Carbohydrate Polymers</i> , 2015 , 119, 71-7	10.3	26
75	Effect of a combination of torsional and cyclic fatigue preloading on the fracture behavior of K3 and K3XF instruments. <i>Journal of Endodontics</i> , 2015 , 41, 526-30	4.7	11
74	Electrospun preparation and lithium storage properties of NiFe ₂ O ₄ nanofibers. <i>Ionics</i> , 2015 , 21, 687-694	4.7	22
73	Hydrothermal Growth of Ag-Doped ZnO Nanoparticles on Electrospun Cellulose Nanofibrous Mats for Catechol Detection. <i>Electroanalysis</i> , 2015 , 27, 1490-1497	3	6
72	NiCu Alloy Nanoparticle-Loaded Carbon Nanofibers for Phenolic Biosensor Applications. <i>Sensors</i> , 2015 , 15, 29419-33	3.8	20
71	A one-pot biosynthesis of reduced graphene oxide (RGO)/bacterial cellulose (BC) nanocomposites. <i>Green Chemistry</i> , 2014 , 16, 3195-3201	10	73
70	Graphene oxide improved thermal and mechanical properties of electrospun methyl stearate/polyacrylonitrile form-stable phase change composite nanofibers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 117, 109-122	4.1	43
69	Preparation of amidoxime-modified polyacrylonitrile nanofibers immobilized with laccase for dye degradation. <i>Fibers and Polymers</i> , 2014 , 15, 30-34	2	28
68	Amperometric detection of hydrogen peroxide using a nanofibrous membrane sputtered with silver. <i>RSC Advances</i> , 2014 , 4, 3857-3863	3.7	17
67	Preparation of magnetic polyimide/maghemite nanocomposite fibers by electrospinning. <i>High Performance Polymers</i> , 2014 , 26, 810-816	1.6	5
66	Preparation and characterization of porous carbon based nanocomposite for supercapacitor. <i>Fibers and Polymers</i> , 2014 , 15, 1236-1241	2	8
65	Laccase immobilized on a PAN/adsorbents composite nanofibrous membrane for catechol treatment by a biocatalysis/adsorption process. <i>Molecules</i> , 2014 , 19, 3376-88	4.8	46
64	A catechol biosensor based on electrospun carbon nanofibers. <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 346-54	3	33
63	Effects of Imidization Temperature on the Structure and Properties of Electrospun Polyimide Nanofibers. <i>Journal of Engineered Fibers and Fabrics</i> , 2014 , 9, 155892501400900	0.9	2
62	Preparation of Amidoxime Polyacrylonitrile Nanofibrous Membranes and Their Applications in Enzymatic Membrane Reactor. <i>Journal of Engineered Fibers and Fabrics</i> , 2014 , 9, 155892501400900	0.9	3
61	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. <i>International Journal of Green Energy</i> , 2014 , 11, 861-875	3	19
60	Effect of CSA concentration on the ammonia sensing properties of CSA-doped PA6/PANI composite nanofibers. <i>Sensors</i> , 2014 , 14, 21453-65	3.8	22
59	Laccase biosensor based on electrospun copper/carbon composite nanofibers for catechol detection. <i>Sensors</i> , 2014 , 14, 3543-56	3.8	55

58	Atom efficient thermal and photocuring combined treatments for the synthesis of novel eco-friendly grid-like zein nanofibres. <i>RSC Advances</i> , 2014 , 4, 61573-61579	3.7	5
57	Incorporation of TiO_2 Nanoparticles Into SnO_2 Nanofibers for Higher Efficiency Dye-Sensitized Solar Cells. <i>IEEE Electron Device Letters</i> , 2014 , 35, 578-580	4.4	18
56	Direct electrochemistry of laccase and a hydroquinone biosensing application employing ZnO loaded carbon nanofibers. <i>RSC Advances</i> , 2014 , 4, 61831-61840	3.7	12
55	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. <i>International Journal of Energy Research</i> , 2013 , 37, 657-664	4.5	16
54	Immobilization of catalases on amidoxime polyacrylonitrile nanofibrous membranes. <i>Polymer International</i> , 2013 , 62, 251-256	3.3	29
53	Fabrication of hydrophilic nanoporous PMMA/O-MMT composite microfibrillar membrane and its use in enzyme immobilization. <i>Journal of Porous Materials</i> , 2013 , 20, 457-464	2.4	13
52	Thermal and mechanical properties of nanofibers-based form-stable PCMs consisting of glycerol monostearate and polyethylene terephthalate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 114, 101-111	4.1	16
51	One-pot synthesis and electrochemical property of MnO/C hybrid microspheres. <i>Ionics</i> , 2013 , 19, 595-600	3.7	10
50	Electrospun form-stable phase change composite nanofibers consisting of capric acid-based binary fatty acid eutectics and polyethylene terephthalate. <i>Fibers and Polymers</i> , 2013 , 14, 89-99	2	36
49	Fabrication, Structural Morphology and Thermal Energy Storage/Retrieval of Ultrafine Phase Change Fibres Consisting of Polyethylene Glycol and Polyamide 6 by Electrospinning. <i>Polymers and Polymer Composites</i> , 2013 , 21, 525-532	0.8	9
48	Fabrication and characterization of polyamide6-room temperature ionic liquid (PA6-RTIL) composite nanofibers by electrospinning. <i>Fibers and Polymers</i> , 2013 , 14, 1614-1619	2	12
47	Preparation of Amidoxime Polyacrylonitrile Chelating Nanofibers and Their Application for Adsorption of Metal Ions. <i>Materials</i> , 2013 , 6, 969-980	3.5	103
46	Preparation and Characterization of porous Carbon/Nickel Nanofibers for Supercapacitor. <i>Journal of Engineered Fibers and Fabrics</i> , 2013 , 8, 155892501300800	0.9	2
45	Preparation and characterization of polyaniline/ Fe_3O_4 /polyacrylonitrile composite nanofibers. <i>International Journal of Materials Research</i> , 2012 , 103, 1390-1394	0.5	3
44	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. <i>Fibers and Polymers</i> , 2012 , 13, 837-845	2	15
43	Electrochemical properties of rutile TiO_2 nanorods as anode material for lithium-ion batteries. <i>Ionics</i> , 2012 , 18, 667-672	2.7	10
42	Nanoscale three-point bending of single polymer/inorganic composite nanofiber. <i>Journal of the Textile Institute</i> , 2012 , 103, 154-158	1.5	4
41	Removal of a Cationic Dye by Adsorption/Photodegradation Using Electrospun PAN/O-MMT Composite Nanofibrous Membranes Coated with TiO_2 . <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-8	2.1	21

40	Preparation and Photocatalytic Activity of -Deposited Fabrics. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-5	2.1	1
39	Preparation, Morphology and Properties of Electrospun Lauric Acid/PET Form-Stable Phase Change Ultrafine Composite Fibres. <i>Polymers and Polymer Composites</i> , 2011 , 19, 773-780	0.8	10
38	Surface modified polyacrylonitrile nanofibers and application for metal ions chelation. <i>Fibers and Polymers</i> , 2011 , 12, 1025-1029	2	18
37	Effects of ferric chloride on structure, surface morphology and combustion property of electrospun polyacrylonitrile composite nanofibers. <i>Fibers and Polymers</i> , 2011 , 12, 145-150	2	17
36	Deposition of ZnO on polyacrylonitrile fiber by thermal solvent coating. <i>Fibers and Polymers</i> , 2011 , 12, 214-219	2	5
35	Preparation of Cu(II)-chelated poly(vinyl alcohol) nanofibrous membranes for catalase immobilization. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 3291-3296	2.9	21
34	Structure and Morphological Evolvement of Electrospun Polyacrylonitrile/Organic Modified Fe-Montmorillonite Composite Carbon Nanofibers. <i>International Journal of Polymer Analysis and Characterization</i> , 2011 , 16, 24-35	1.7	2
33	Surface and Interface Investigation of Indium-Tin-Oxide (ITO) Coated Nonwoven Fabrics. <i>Journal of Adhesion Science and Technology</i> , 2010 , 24, 135-147	2	9
32	Structure, Thermal, and Antibacterial Properties of Polyacrylonitrile/Ferric Chloride Nanocomposite Fibers by Electrospinning. <i>International Journal of Polymer Analysis and Characterization</i> , 2010 , 15, 110-118	1.7	18
31	Functionalization of ceramic fibers by metallic sputter coating 2010 , 7, 99-103		7
30	Surface functionalization of polymer nanofibers by ITO sputter coating 2010 , 7, 511-514		6
29	Structures and properties of the polyester nonwovens coated with titanium dioxide by reactive sputtering 2010 , 7, 637-642		12
28	Comparison Between Structures and Properties of ABS Nanocomposites Derived from Two Different Kinds of OMT. <i>Journal of Materials Engineering and Performance</i> , 2010 , 19, 171-176	1.6	23
27	Thermal stability and crystalline of electrospun polyamide 6/organo-montmorillonite nanofibers. <i>Journal of Applied Polymer Science</i> , 2010 , 117, NA-NA	2.9	3
26	Preparation and characterization of the electrospun nanofibers loaded with clarithromycin. <i>Journal of Applied Polymer Science</i> , 2010 , 118, 346-352	2.9	21
25	Morphology, thermal and mechanical properties of PVAc/ TiO ₂ hybrid nanofibers. <i>E-Polymers</i> , 2009 , 9,	2.7	1
24	Characterization of PVAc/TiO ₂ hybrid nanofibers: From fibrous morphologies to molecular structures. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 1481-1485	2.9	13
23	Comparative studies of polypropylene nonwoven sputtered with ITO and AZO. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 1813-1819	2.9	3

22	Preparation and the light transmittance of TiO ₂ deposited fabrics 2009 , 6, 549-555		8
21	Surface modification of polyester nonwoven fabrics by Al ₂ O ₃ sol-gel coating 2009 , 6, 537-541		34
20	Influences of organic-modified Fe-montmorillonite on structure, morphology and properties of polyacrylonitrile nanocomposite fibers. <i>Fibers and Polymers</i> , 2009 , 10, 750-755	2	24
19	Surface Structures and Contact Angles of Electrospun Poly(vinylidene fluoride) Nanofiber Membranes. <i>International Journal of Polymer Analysis and Characterization</i> , 2008 , 13, 292-301	1.7	30
18	Effect of temperature on structure, morphology and crystallinity of PVDF nanofibers via electrospinning. <i>E-Polymers</i> , 2008 , 8,	2.7	14
17	Structures, thermal stability, and crystalline properties of polyamide6/organic-modified Fe-montmorillonite composite nanofibers by electrospinning. <i>Journal of Materials Science</i> , 2008 , 43, 6132-6138	4.3	43
16	Antibacterial properties of PLA nonwoven medical dressings coated with nanostructured silver. <i>Fibers and Polymers</i> , 2008 , 9, 556-560	2	21
15	Physical properties of Al-doped ZnO films deposited on nonwoven substrates by radio frequency magnetron sputtering 2008 , 5, 393-397		7
14	Functionalization of polyamide 6 nanofibers by electroless deposition of copper 2008 , 5, 399-403		16
13	Surface characterization and properties of functionalized nonwoven. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 132-137	2.9	9
12	Structural characterization and dynamic water adsorption of electrospun polyamide6/montmorillonite nanofibers. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 3535-3540	2.9	27
11	Surface nanostructures and dynamic contact angles of functionalized poly(ethylene terephthalate) fibers. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 654-658	2.9	7
10	Wetting behavior of electrospun poly(L-lactic acid)/poly(vinyl alcohol) composite nonwovens. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 3172-3177	2.9	18
9	Dynamic wetting of plasma-treated polypropylene nonwovens. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 2157-2160	2.9	8
8	Surface nanostructure evolution of functionalized polypropylene fibers. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 1243-1247	2.9	5
7	Surface functionalization of silk fabric by PTFE sputter coating. <i>Journal of Materials Science</i> , 2007 , 42, 8025-8028	4.3	36
6	Preparation and characterization of titanium dioxide nanocomposite fibers. <i>Journal of Materials Science</i> , 2007 , 42, 8001-8005	4.3	21
5	Preparation and characterization of silver nanocomposite textile 2007 , 4, 101-106		50

4	Comparative studies of functional nanostructures sputtered on polypropylene nonwovens. <i>E-Polymers</i> , 2007 , 7,	2.7	3
3	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. <i>Energy and Environmental Materials</i> ,	13	2
2	Novel germanium-polyamide6 fibers with negative air ions release and far-infrared radiation as well as antibacterial property. <i>Textile Reseach Journal</i> ,004051752110683	1.7	1
1	Recent Advances in Functional Bacterial Cellulose for Wearable Physical Sensing Applications. <i>Advanced Materials Technologies</i> ,2100617	6.8	3