

Ick Soo Kim

List of Publications by Year in descending order

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252
papers

8,700
citations

39113

52
h-index

87275

74
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253
all docs

253
docs citations

253
times ranked

10144
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance Evaluation of Jute/Glass-Fiber-Reinforced Polybutylene Succinate (PBS) Hybrid Composites with Different Layering Configurations. <i>Materials</i> , 2022, 15, 1055.	1.3	16
2	Salts and water-free dyeing of cellulose nanofibers using novel green deep eutectic solvents: Isotherm, kinetics, and thermodynamic studies. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	13
3	Fabrication of Low-Twist and High-Strength Metallic Fibre Hybrid Spun Yarns. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3413.	1.3	1
4	Electrospun PVA/CuONPs/Bitter Gourd Nanofibers with Improved Cytocompatibility and Antibacterial Properties: Application as Antibacterial Wound Dressing. <i>Polymers</i> , 2022, 14, 1361.	2.0	12
5	Electroless Deposition: A Superficial Route to Synthesis of Highly Conductive Electrospun Nylon 6 Nanofibers. <i>Fibers and Polymers</i> , 2022, 23, 680-689.	1.1	3
6	Clay-corn-caprolactone—a novel bioactive clay polymer nanofibrous scaffold for bone tissue engineering. <i>Applied Clay Science</i> , 2022, 220, 106455.	2.6	9
7	Investigation of Mechanical, Chemical, and Antibacterial Properties of Electrospun Cellulose-Based Scaffolds Containing Orange Essential Oil and Silver Nanoparticles. <i>Polymers</i> , 2022, 14, 85.	2.0	22
8	Impact of Novel Varietal and Regional Differences on Cotton Fiber Quality Characteristics. <i>Materials</i> , 2022, 15, 3242.	1.3	5
9	Regenerated Silk Nanofibers for Robust and Cyclic Adsorption–Desorption on Anionic Dyes. <i>Langmuir</i> , 2022, 38, 6376-6386.	1.6	8
10	Electrospun Composite Nanofibers for Functional Applications. <i>Polymers</i> , 2022, 14, 2290.	2.0	3
11	Photosensitive nanofibers for data recording and erasing. <i>Journal of the Textile Institute</i> , 2021, 112, 429-436.	1.0	12
12	A review on the fabrication of several carbohydrate polymers into nanofibrous structures using electrospinning for removal of metal ions and dyes. <i>Carbohydrate Polymers</i> , 2021, 252, 117175.	5.1	80
13	Structural analysis of embedding polyethylene glycol in silica aerogel. <i>Microporous and Mesoporous Materials</i> , 2021, 310, 110636.	2.2	26
14	Wet-spun bi-component alginate based hydrogel fibers: Development and in-vitro evaluation as a potential moist wound care dressing. <i>International Journal of Biological Macromolecules</i> , 2021, 168, 601-610.	3.6	27
15	Bioactive Sambong oil-loaded electrospun cellulose acetate nanofibers: Preparation, characterization, and in-vitro biocompatibility. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 1009-1021.	3.6	61
16	Fabricating Antibacterial and Antioxidant Electrospun Hydrophilic Polyacrylonitrile Nanofibers Loaded with AgNPs by Lignin-Induced In-Situ Method. <i>Polymers</i> , 2021, 13, 748.	2.0	24
17	Evaluating Antibacterial Efficacy and Biocompatibility of PAN Nanofibers Loaded with Diclofenac Sodium Salt. <i>Polymers</i> , 2021, 13, 510.	2.0	27
18	Synthesis of Highly Conductive Electrospun Recycled Polyethylene Terephthalate Nanofibers Using the Electroless Deposition Method. <i>Nanomaterials</i> , 2021, 11, 531.	1.9	21

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19	Characterization and biocompatibility evaluation of artificial blood vessels prepared from pristine poly (Ethylene-glycol-co-1,4-cyclohexane dimethylene-co-isosorbide terephthalate), poly (1, 4) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 388. Materials Today Communications, 2021, 26, 102113.	0.9	22
20	Lignin-mediated in-situ synthesis of CuO nanoparticles on cellulose nanofibers: A potential wound dressing material. International Journal of Biological Macromolecules, 2021, 173, 315-326.	3.6	42
21	A facile method for the preparation of a high-performance, hybrid separator for use in lithium-ion batteries. Textile Research Journal, 2021, 91, 2508-2517.	1.1	0
22	Fabrication of Poly(Ethylene-glycol 1,4-Cyclohexane Dimethylene-Isosorbide-Terephthalate) Electrospun Nanofiber Mats for Potential Infiltration of Fibroblast Cells. Polymers, 2021, 13, 1245.	2.0	16
23	Efficient removal of reactive blue-19 dye by co-electrospun nanofibers. Materials Research Express, 2021, 8, 055502.	0.8	10
24	The Effect of Softeners Applications on Moisture Management Properties of Polyester/Cotton Blended Sandwich Weft-Knitted Fabric Structure. Coatings, 2021, 11, 575.	1.2	8
25	Polyacrylonitrile/Carbon Black nanoparticle/Nano-Hydroxyapatite (PAN/nCB/HA) composite nanofibrous matrix as a potential biomaterial scaffold for bone regenerative applications. Materials Today Communications, 2021, 27, 102259.	0.9	18
26	Conductive and antibacterial cellulose nanofibers decorated with copper nanoparticles for potential application in wearable devices. Journal of Applied Polymer Science, 2021, 138, 51381.	1.3	15
27	Electrospun Nanofiber-Based Viroblock/ZnO/PAN Hybrid Antiviral Nanocomposite for Personal Protective Applications. Nanomaterials, 2021, 11, 2208.	1.9	25
28	Introducing Deep Eutectic Solvents as a Water-Free Dyeing Medium for Poly (1,4-cyclohexane) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 388.	2.0	5
29	<i>Sabina chinensis</i> leaf extracted and <i>in situ</i> incorporated polycaprolactone/polyvinylpyrrolidone electrospun microfibers for antibacterial application. RSC Advances, 2021, 11, 18231-18240.	1.7	12
30	Carboxymethyl Cellulose (CMC) Based Electrospun Composite Nanofiber Mats for Food Packaging. Polymers, 2021, 13, 302.	2.0	42
31	Preparation of a Cage-Type Polyglycolic Acid/Collagen Nanofiber Blend with Improved Surface Wettability and Handling Properties for Potential Biomedical Applications. Polymers, 2021, 13, 3458.	2.0	9
32	Extraction of Natural Dye from Aerial Parts of Argy Wormwood Based on Optimized Taguchi Approach and Functional Finishing of Cotton Fabric. Materials, 2021, 14, 5850.	1.3	18
33	Fabrication and Characterization of Electrospun Folic Acid/Hybrid Fibers: In Vitro Controlled Release Study and Cytocompatibility Assays. Polymers, 2021, 13, 3594.	2.0	18
34	Heterogeneous Ag@ZnO nanorods decorated on polyacrylonitrile fiber membrane for enhancing the photocatalytic and antibacterial properties. Colloids and Interface Science Communications, 2021, 45, 100543.	2.0	15
35	Polyacrylonitrile Nanofibers Containing Viroblock as Promising Material for Protective Clothing. Applied Sciences (Switzerland), 2021, 11, 11469.	1.3	5
36	Preparation and characterization of Juniperus chinensis extract-loaded polyurethane nanofiber laminate with polyurethane resin on polyethylene terephthalate fabric. Polymer Bulletin, 2020, 77, 919-928.	1.7	6

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37	Castor oil-based polyols with gradually increasing functionalities for biopolyurethane synthesis. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48304.	1.3	12
38	Ultrasonic-assisted dyeing of silk fibroin nanofibers: an energy-efficient coloration at room temperature. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 917-930.	1.6	19
39	Stabilized nanofibers of polyvinyl alcohol (PVA) crosslinked by unique method for efficient removal of heavy metal ions. <i>Journal of Water Process Engineering</i> , 2020, 33, 101111.	2.6	85
40	Zein nanofibers via deep eutectic solvent electrospinning: tunable morphology with super hydrophilic properties. <i>Scientific Reports</i> , 2020, 10, 15307.	1.6	46
41	In-vitro assessment of appropriate hydrophilic scaffolds by co-electrospinning of poly(1,4) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50	1.6	19
42	A facile approach to synthesize highly conductive electrospun aramid nanofibers via electroless deposition. <i>Materials Chemistry and Physics</i> , 2020, 255, 123614.	2.0	18
43	Composite Nanofibers: Recent Progress in Adsorptive Removal and Photocatalytic Degradation of Dyes. , 2020, , .		2
44	The Assessment of Finishing Properties on the Mass per Unit Area, Pilling, Bursting Strength, and Wicking Behavior of Polyester Weft-Knitted Jersey Fabric. <i>Coatings</i> , 2020, 10, 723.	1.2	11
45	Application of Nanowires for Retinal Regeneration. , 2020, , .		3
46	Optimized Loading of Carboxymethyl Cellulose (CMC) in Tri-component Electrospun Nanofibers Having Uniform Morphology. <i>Polymers</i> , 2020, 12, 2524.	2.0	32
47	Development and characterization of composite carbon nanofibers surface-coated with ZnO/Ag nanoparticle arrays for ammonia sensor application. <i>Materials Today Communications</i> , 2020, 24, 101213.	0.9	5
48	Reusability Comparison of Melt-Blown vs Nanofiber Face Mask Filters for Use in the Coronavirus Pandemic. <i>ACS Applied Nano Materials</i> , 2020, 3, 7231-7241.	2.4	177
49	Antibacterial mechanisms of various copper species incorporated in polymeric nanofibers against bacteria. <i>Materials Today Communications</i> , 2020, 25, 101377.	0.9	41
50	An optimistic approach from hydrophobic to super hydrophilic nanofibers for enhanced absorption properties. <i>Polymer Testing</i> , 2020, 90, 106683.	2.3	16
51	Antibacterial Chitosan Hybrid Films with N-Halamine-Functionalized Graphene Oxide. <i>Nano</i> , 2020, 15, 2050027.	0.5	5
52	Zinc oxide nanoparticles attached to polyacrylonitrile nanofibers with hinokittiol as gluing agent for synergistic antibacterial activities and effective dye removal. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 85, 258-268.	2.9	61
53	Reducing-agent-free facile preparation of Rh-nanoparticles uniformly anchored on onion-like fullerene for catalytic applications. <i>RSC Advances</i> , 2020, 10, 2545-2559.	1.7	24
54	Fabrication of Antibacterial Nanofibers Composites by Functionalizing the Surface of Cellulose Acetate Nanofibers. <i>ChemistrySelect</i> , 2020, 5, 1315-1321.	0.7	14

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55	Thiol-functionalized cellulose nanofiber membranes for the effective adsorption of heavy metal ions in water. <i>Carbohydrate Polymers</i> , 2020, 234, 115881.	5.1	180
56	Active loading graphite/hydroxyapatite into the stable hydroxyethyl cellulose scaffold nanofibers for artificial cornea application. <i>Cellulose</i> , 2020, 27, 3319-3334.	2.4	15
57	Cellulose acetate/multi-wall carbon nanotube/Ag nanofiber composite for antibacterial applications. <i>Materials Science and Engineering C</i> , 2020, 110, 110679.	3.8	41
58	Sea-Island-Like Morphology of CuNi Bimetallic Nanoparticles Uniformly Anchored on Single Layer Graphene Oxide as a Highly Efficient and Noble-Metal-Free Catalyst for Cyanation of Aryl Halides. <i>Scientific Reports</i> , 2020, 10, 677.	1.6	14
59	The synthesis of silver-nanoparticle-anchored electrospun polyacrylonitrile nanofibers and a comparison with as-spun silver/polyacrylonitrile nanocomposite membranes upon antibacterial activity. <i>Polymer Bulletin</i> , 2020, 77, 4197-4212.	1.7	23
60	Stepwise Construction of Ru(II)Center Containing Chiral Thiourea Ligand on Graphene Oxide: First Efficient, Reusable, and Stable Catalyst for Asymmetric Transfer Hydrogenation of Ketones. <i>Catalysts</i> , 2020, 10, 175.	1.6	4
61	Manuka honey incorporated cellulose acetate nanofibrous mats: Fabrication and in vitro evaluation as a potential wound dressing. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 479-489.	3.6	118
62	Fabrication and characterization of wound dressings containing gentamicin/silver for wounds in diabetes mellitus patients. <i>Materials Research Express</i> , 2020, 7, 045004.	0.8	16
63	Electrospun <i>Momordica charantia</i> incorporated polyvinyl alcohol (PVA) nanofibers for antibacterial applications. <i>Materials Today Communications</i> , 2020, 24, 101161.	0.9	36
64	Fabrication and Characterization of Novel Antibacterial Ultrafine Nylon-6 Nanofibers Impregnated by Garlic Sour. <i>Fibers and Polymers</i> , 2020, 21, 2780-2787.	1.1	17
65	An Experimental Study on Modelling the Physical Properties of Composite Psyllium, Alginate and Chitosan Fibers Using Box-Behnken Technique. <i>Fibers and Polymers</i> , 2020, 21, 2494-2504.	1.1	12
66	Construction of aerogels based on nanocrystalline cellulose and chitosan for high efficient oil/water separation and water disinfection. <i>Carbohydrate Polymers</i> , 2020, 243, 116461.	5.1	75
67	Fabrication and characterization of colorimetric polymer based novel nanofibers for sensing and blocking of bacterial. <i>Materials Research Express</i> , 2020, 7, 085405.	0.8	5
68	Adsorptive defluoridation from aqueous solution using a novel blend of eggshell powder and chitosan nanofibers. <i>Materials Research Express</i> , 2020, 7, 125005.	0.8	9
69	Sonication induced effective approach for coloration of compact polyacrylonitrile (PAN) nanofibers. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 399-405.	3.8	30
70	Nanofibers as new-generation materials: From spinning and nano-spinning fabrication techniques to emerging applications. <i>Applied Materials Today</i> , 2019, 17, 1-35.	2.3	296
71	Development of antibacterial contact lenses containing metallic nanoparticles. <i>Polymer Testing</i> , 2019, 79, 106034.	2.3	24
72	Ionic cross-linking of cellulose nanofibers: an approach to enhance mechanical stability for dynamic adsorption. <i>Environmental Science and Pollution Research</i> , 2019, 26, 28842-28851.	2.7	5

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73	Development of VOCs gas sensor with high sensitivity using colorimetric polymer nanofiber: a unique sensing method. <i>Materials Research Express</i> , 2019, 6, 105372.	0.8	12
74	The mechanistic actions of different silver species at the surfaces of polyacrylonitrile nanofibers regarding antibacterial activities. <i>Materials Today Communications</i> , 2019, 21, 100622.	0.9	15
75	Facile Green Preparation of Rhodium Nanoclusters Supported Nano-Scaled Graphene Platelets for Sonogashira Coupling Reaction and Reduction of p-Nitrophenol. <i>Catalysts</i> , 2019, 9, 908.	1.6	8
76	Characterizations and application of CA/ZnO/AgNP composite nanofibers for sustained antibacterial properties. <i>Materials Science and Engineering C</i> , 2019, 105, 110077.	3.8	54
77	Design and characterization of dual drug delivery based on in-situ assembled PVA/PAN core-shell nanofibers for wound dressing application. <i>Scientific Reports</i> , 2019, 9, 12640.	1.6	81
78	Copper oxide (CuO) loaded polyacrylonitrile (PAN) nanofiber membranes for antimicrobial breath mask applications. <i>Current Research in Biotechnology</i> , 2019, 1, 1-10.	1.9	101
79	Thiol-based chemistry as versatile routes for the effective functionalization of cellulose nanofibers. <i>Carbohydrate Polymers</i> , 2019, 226, 115259.	5.1	36
80	Silver sulfadiazine loaded zein nanofiber mats as a novel wound dressing. <i>RSC Advances</i> , 2019, 9, 268-277.	1.7	64
81	Effect of modified ZnO nanoparticle on the properties of polylactide ultrafine fibers. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47446.	1.3	8
82	Polyvinyl alcohol nanofiber based three phase wound dressings for sustained wound healing applications. <i>Materials Letters</i> , 2019, 241, 168-171.	1.3	70
83	Graphene oxide as a polymeric N-halamine carrier and release platform: Highly-efficient, sustained-release antibacterial property and great storage stability. <i>Materials Science and Engineering C</i> , 2019, 103, 109877.	3.8	29
84	Synthesis and attachment of silver and copper nanoparticles on cellulose nanofibers and comparative antibacterial study. <i>Cellulose</i> , 2019, 26, 6629-6640.	2.4	58
85	Facile Mechanochemical Synthesis of Nickel/Graphene Oxide Nanocomposites with Unique and Tunable Morphology: Applications in Heterogeneous Catalysis and Supercapacitors. <i>Catalysts</i> , 2019, 9, 486.	1.6	27
86	Tailored assembly of vinylbenzyl N-halamine with end-activated ZnO to form hybrid nanoparticles for quick antibacterial response and enhanced UV stability. <i>Journal of Alloys and Compounds</i> , 2019, 797, 692-701.	2.8	18
87	Effect of interface affinity on the performance of a composite of microcrystalline cellulose and polypropylene/polylactide blends. <i>Polymer International</i> , 2019, 68, 1402-1410.	1.6	11
88	Fabrication of superhydrophobic polylactide films with ultraviolet shielding properties. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47760.	1.3	7
89	The fabrications and characterizations of antibacterial PVA/Cu nanofibers composite membranes by synthesis of Cu nanoparticles from solution reduction, nanofibers reduction and immersion methods. <i>Materials Research Express</i> , 2019, 6, 075051.	0.8	19
90	Processing of metallic fiber hybrid spun yarns for better electrical conductivity. <i>Materials and Manufacturing Processes</i> , 2019, 34, 1008-1015.	2.7	15

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91	Electrospun Zein nanofibers as drug carriers for controlled delivery of Levodopa in Parkinson syndrome. <i>Materials Research Express</i> , 2019, 6, 075405.	0.8	24
92	<p>Antibacterial properties of in situ and surface functionalized impregnation of silver sulfadiazine in polyacrylonitrile nanofiber mats<p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2693-2703.	3.3	48
93	Dopa-based facile procedure to synthesize AgNP/cellulose nanofiber composite for antibacterial applications. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 1661-1670.	1.6	13
94	Tunichrome-inspired pyrogallol functionalized chitosan for tissue adhesion and hemostasis. <i>Carbohydrate Polymers</i> , 2019, 208, 77-85.	5.1	114
95	Cellulose acetate nanofibers embedded with AgNPs anchored TiO ₂ nanoparticles for long term excellent antibacterial applications. <i>Carbohydrate Polymers</i> , 2019, 207, 640-649.	5.1	123
96	Development and characterization of conductive ring spun hybrid yarns. <i>Journal of the Textile Institute</i> , 2019, 110, 141-150.	1.0	9
97	Preparation and characterizations of multifunctional PVA/ZnO nanofibers composite membranes for surgical gown application. <i>Journal of Materials Research and Technology</i> , 2019, 8, 1328-1334.	2.6	54
98	Fabrication of electrospun chitosan/cellulose nanofibers having adsorption property with enhanced mechanical property. <i>Cellulose</i> , 2019, 26, 1781-1793.	2.4	83
99	Fabrication of antibacterial electrospun cellulose acetate/ silver-sulfadiazine nanofibers composites for wound dressings applications. <i>Polymer Testing</i> , 2019, 74, 39-44.	2.3	63
100	<i>In vitro</i> assessment of dualâ€network electrospun tubes from poly(1,4 cyclohexane dimethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Science, 2019, 136, 47222.	1.3	18
101	A comparative study on synthesis of AgNPs on cellulose nanofibers by thermal treatment and DMF for antibacterial activities. <i>Materials Science and Engineering C</i> , 2019, 98, 1179-1195.	3.8	51
102	The development of nanofiber tubes based on nanocomposites of polyvinylpyrrolidone incorporated gold nanoparticles as scaffolds for neuroscience application in axons. <i>Textile Research Journal</i> , 2019, 89, 2713-2720.	1.1	19
103	Comparison of fabrication methods for the effective loading of Ag onto PVA nanofibers. <i>Textile Research Journal</i> , 2019, 89, 625-634.	1.1	22
104	Characterization of nano-structured poly(Î-caprolactone) membranes with DNA-doped polypyrrole via sonication-induced layer-by-layer assembly. <i>Textile Research Journal</i> , 2019, 89, 1267-1275.	1.1	2
105	Highly Porous Ru/C and Cu/C Nanocatalysts Derived from Custard Apple for Rapid and Selective Reduction of p-Nitrophenol. <i>Nano Progress</i> , 2019, 1, .	0.2	12
106	Preparation of colored recycled polyethylene terephthalate nanofibers from waste bottles: Physicochemical studies. <i>Advances in Polymer Technology</i> , 2018, 37, 2820-2827.	0.8	35
107	Gold, silver and nickel nanoparticle anchored cellulose nanofiber composites as highly active catalysts for the rapid and selective reduction of nitrophenols in water. <i>RSC Advances</i> , 2018, 8, 3014-3023.	1.7	80
108	Cultivation of a Cu/HMPC catalyst from a hyperaccumulating mustard plant for highly efficient and selective coupling reactions under mild conditions. <i>RSC Advances</i> , 2018, 8, 4531-4547.	1.7	7

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109	Control of the morphology of cellulose acetate nanofibers via electrospinning. <i>Cellulose</i> , 2018, 25, 2829-2837.	2.4	83
110	Antibacterial efficacy of poly(vinyl alcohol) composite nanofibers embedded with silver-anchored silica nanoparticles. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 1121-1128.	1.6	36
111	Deodorant activity of phthalocyanine complex nanofiber. <i>Textile Reseach Journal</i> , 2018, 88, 630-635.	1.1	10
112	Self-cleaning effect of electrospun poly (1,4-cyclohexanedimethylene isosorbide terephthalate) nanofibers embedded with zinc oxide nanoparticles. <i>Textile Reseach Journal</i> , 2018, 88, 2493-2498.	1.1	17
113	Nanofibers: Emerging Progress on Fabrication Using Mechanical Force and Recent Applications. <i>Polymer Reviews</i> , 2018, 58, 688-716.	5.3	14
114	Fabrication of electrospun antibacterial PVA/Cs nanofibers loaded with CuNPs and AgNPs by an in-situ method. <i>Polymer Testing</i> , 2018, 72, 315-321.	2.3	40
115	Readily Functionalizable and Stabilizable Polymeric Particles with Controlled Size and Morphology by Electropray. <i>Scientific Reports</i> , 2018, 8, 15725.	1.6	21
116	Effective Formation of Well-Defined Polymeric Microfibers and Nanofibers with Exceptional Uniformity by Simple Mechanical Needle Spinning. <i>Polymers</i> , 2018, 10, 980.	2.0	6
117	Reusable carbon nanofibers for efficient removal of methylene blue from aqueous solution. <i>Chemical Engineering Research and Design</i> , 2018, 136, 744-752.	2.7	77
118	Epoxy-Containing Copolymers: A Versatile Toolbox for Functional Nanofiber Mats with Desired Chemical Functionalities. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800506.	1.9	11
119	Ultrasonic energy-assisted coloration of polyurethane nanofibers. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1505-1514.	1.6	18
120	Fabrication of Two Polyester Nanofiber Types Containing the Biobased Monomer Isosorbide: Poly (Ethylene Glycol 1,4-Cyclohexane Dimethylene Isosorbide Terephthalate) and Poly (1,4-Cyclohexane) Terephthalate. <i>Journal of Applied Polymer Science</i> , 2018, 141, 46117.	1.9	10
121	Preparation and In-Vitro Assessment of Hierarchical Organized Antibacterial Breath Mask Based on Polyacrylonitrile/Silver (PAN/AgNPs) Nanofiber. <i>Nanomaterials</i> , 2018, 8, 461.	1.9	50
122	A review of doping modulation in graphene. <i>Synthetic Metals</i> , 2018, 244, 36-47.	2.1	164
123	Electrospun antibacterial polyacrylonitrile nanofiber membranes functionalized with silver nanoparticles by a facile wetting method. <i>European Polymer Journal</i> , 2018, 108, 69-75.	2.6	53
124	Aqueous hardness removal by anionic functionalized electrospun cellulose nanofibers. <i>Cellulose</i> , 2018, 25, 5985-5997.	2.4	26
125	Effect of molecular weight on the structure and mechanical properties of silk sericin gel, film, and sponge. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 821-832.	3.6	35
126	Self-Cleaning Properties of Electrospun PVA/TiO ₂ and PVA/ZnO Nanofibers Composites. <i>Nanomaterials</i> , 2018, 8, 644.	1.9	56

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127	Cytocompatibility and Osteogenesis of Adipose Tissue-Derived Stem Cells on POSS-PEG Coated Collagen. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 4439-4444.	0.9	3
128	Nitrogen- and Oxygen-Containing Porous Ultrafine Carbon Nanofiber: A Highly Flexible Electrode Material for Supercapacitor. <i>Journal of Materials Science and Technology</i> , 2017, 33, 424-431.	5.6	47
129	Electrospun tungsten trioxide nanofibers decorated with palladium oxide nanoparticles exhibiting enhanced photocatalytic activity. <i>RSC Advances</i> , 2017, 7, 6108-6113.	1.7	34
130	Industrial-Quality Graphene Oxide Switched Highly Efficient Metal- and Solvent-Free Synthesis of β -Ketoenamides under Feasible Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1253-1259.	3.2	26
131	Utilization of Human Hair as a Synergistic Support for Ag, Au, Cu, Ni, and Ru Nanoparticles: Application in Catalysis. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 1926-1939.	1.8	19
132	Effect of graphene incorporation in carbon nanofiber decorated with TiO_2 for photoanode applications. <i>RSC Advances</i> , 2017, 7, 6574-6582.	1.7	15
133	Three-dimensional cheese-like carbon nanoarchitecture with tremendous surface area and pore construction derived from corn as superior electrode materials for supercapacitors. <i>Applied Surface Science</i> , 2017, 409, 52-59.	3.1	46
134	Post-electrospinning thermal treatments on poly(4-methyl-1-pentene) nanofiber membranes for improved mechanical properties. <i>Polymer Bulletin</i> , 2017, 74, 5221-5230.	1.7	18
135	Sub-micron silk fibroin film with high humidity sensibility through color changing. <i>RSC Advances</i> , 2017, 7, 17889-17897.	1.7	66
136	Electrospun Zein Nanofiber as a Green and Recyclable Adsorbent for the Removal of Reactive Black 5 from the Aqueous Phase. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4340-4351.	3.2	76
137	Ultrasonic-assisted dyeing of Nylon-6 nanofibers. <i>Ultrasonics Sonochemistry</i> , 2017, 39, 34-38.	3.8	38
138	Interactions between Halloysite Nanotubes and Poly(styrene sulfonate) in Solution. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 107-111.	1.0	3
139	Ultrasonic-assisted deacetylation of cellulose acetate nanofibers: A rapid method to produce cellulose nanofibers. <i>Ultrasonics Sonochemistry</i> , 2017, 36, 319-325.	3.8	79
140	Reattachment of crosslinked poly(ethylene oxide) via chain interpenetration and reentanglement induced by a simple wetting process. <i>Polymer</i> , 2017, 129, 221-227.	1.8	8
141	Electrospun tri-layered zein/PVP-GO/zein nanofiber mats for providing biphasic drug release profiles. <i>International Journal of Pharmaceutics</i> , 2017, 531, 101-107.	2.6	84
142	Highly efficient and robust electrospun nanofibers for selective removal of acid dye. <i>Journal of Molecular Liquids</i> , 2017, 244, 478-488.	2.3	32
143	Enhancement of mechanical properties of polymeric nanofibers by controlling crystallization behavior using a simple freezing/thawing process. <i>RSC Advances</i> , 2017, 7, 43994-44000.	1.7	45
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