

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.

50 papers	2,202 citations	24 h-index	46 g-index
50 ext. papers	2,463 ext. citations	7.1 avg, IF	5.08 L-index

#	Paper	IF	Citations
50	A biodegradable composite filter made from electrospun zein fibers underlaid on the cellulose paper towel.. <i>International Journal of Biological Macromolecules</i> , 2022 , 204, 419-428	7.9	2
49	Characterization of Closed Pores in Longmaxi Shale by Synchrotron Small-Angle X-ray Scattering. <i>Energy & Fuels</i> , 2021 , 35, 6738-6754	4.1	5
48	Hierarchically Structured Nanocellulose-Implanted Air Filters for High-Efficiency Particulate Matter Removal. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 12408-12416	9.5	11
47	A tunable alkaline/oxidative process for cellulose nanofibrils exhibiting different morphological, crystalline properties. <i>Carbohydrate Polymers</i> , 2021 , 259, 117755	10.3	2
46	Flow Analysis of Regenerated Silk Fibroin/Cellulose Nanofiber Suspensions via a Bioinspired Microfluidic Chip. <i>Advanced Materials Technologies</i> , 2021 , 6, 2100124	6.8	5
45	Insight into levofloxacin loaded biocompatible electrospun scaffolds for their potential as conjunctival substitutes. <i>Carbohydrate Polymers</i> , 2021 , 269, 118341	10.3	3
44	An ultralow base weight of nanocellulose boosting filtration performance of hierarchical composite air filter inspired by native spider web. <i>Composites Part B: Engineering</i> , 2021 , 226, 109342	10	1
43	Utilization of discarded crop straw to produce cellulose nanofibrils and their assemblies. <i>Journal of Bioresources and Bioproducts</i> , 2020 , 5, 26-36	18.7	79
42	Surface modified electrospun poly(lactic acid) fibrous scaffold with cellulose nanofibrils and Ag nanoparticles for ocular cell proliferation and antimicrobial application. <i>Materials Science and Engineering C</i> , 2020 , 111, 110767	8.3	22
41	An evolved bio-based 2,5-furandicarboxylate copolyester fiber from poly(ethylene terephthalate). <i>Journal of Polymer Science</i> , 2020 , 58, 320-329	2.4	4
40	Isolation of hierarchical cellulose building blocks from natural flax fibers as a separation membrane barrier. <i>International Journal of Biological Macromolecules</i> , 2020 , 155, 666-673	7.9	3
39	Facile and quick formation of cellulose nanopaper with nanoparticles and its characterization. <i>Carbohydrate Polymers</i> , 2019 , 221, 195-201	10.3	3
38	Electric field distribution and initial jet motion induced by spinneret configuration for molecular orientation in electrospun fibers. <i>European Polymer Journal</i> , 2018 , 98, 330-336	5.2	13
37	Layer-by-layer self-assembly of aramid nanofibers on nonwoven fabric for liquid filtration. <i>Polymer Composites</i> , 2018 , 39, 2411-2419	3	8
36	Improving waterproof/breathable performance of electrospun poly(vinylidene fluoride) fibrous membranes by thermo-pressing. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018 , 56, 36-45	2.6	19
35	Micro-Fluid through aramid/cellulose nanocomposite membranes and its filtration efficiency. <i>Thermal Science</i> , 2018 , 22, 1691-1697	1.2	
34	Coiled Plant Tendril Bioinspired Fabrication of Helical Porous Microfibers for Crude Oil Cleanup. <i>Global Challenges</i> , 2017 , 1, 1600021	4.3	10

33	A hierarchical and gradient structured supersorbent comprising three-dimensional interconnected porous fibers for efficient oil spillage cleanup. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9635-9643	13	25
32	Cellulose nanofibrils extracted from the byproduct of cotton plant. <i>Carbohydrate Polymers</i> , 2016 , 136, 841-50	10.3	50
31	Effect of electric field on the morphology and mechanical properties of electrospun fibers. <i>RSC Advances</i> , 2016 , 6, 50666-50672	3.7	15
30	Tuning the mechanical properties of cellulose nanofibrils reinforced polyvinyl alcohol composites via altering the cellulose polymorphs. <i>RSC Advances</i> , 2016 , 6, 83356-83365	3.7	19
29	New Insights into the Correlation between Morphology, Excited State Dynamics, and Device Performance of Small Molecule Organic Solar Cells. <i>Advanced Energy Materials</i> , 2016 , 6, 1600961	21.8	27
28	In situ polymerization of biodegradable poly(butylene-co-succinate terephthalate) nanocomposites and their real-time tracking of microstructure. <i>Composites Science and Technology</i> , 2015 , 117, 121-129	8.6	8
27	Enhanced mechanical and hydrophobic properties of polyimide fibers containing benzimidazole and benzoxazole units. <i>European Polymer Journal</i> , 2015 , 67, 88-98	5.2	46
26	Bioinspired Thermoresponsive Photonic Polymers with Hierarchical Structures and Their Unique Properties. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1722-8	4.8	13
25	Strain-induced crystallization of polyimide fibers containing 2-(4-aminophenyl)-5-aminobenzimidazole moiety. <i>Polymer</i> , 2015 , 75, 178-186	3.9	44
24	Pectin/lysozyme bilayers layer-by-layer deposited cellulose nanofibrous mats for antibacterial application. <i>Carbohydrate Polymers</i> , 2015 , 117, 687-693	10.3	69
23	Synchronous stimuli of biodegradable poly(butylene succinate-co-terephthalate) copolymer via uniaxial stretching at varying temperatures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015 , 53, 640-649	2.6	6
22	Structure and properties of polyimide fibers containing benzimidazole and Amide Units. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015 , 53, 183-191	2.6	25
21	Cellulose nanofibrils aerogels generated from jute fibers. <i>Carbohydrate Polymers</i> , 2014 , 109, 35-43	10.3	55
20	Evolution of the microstructure and morphology of polyimide fibers during heat-drawing process. <i>RSC Advances</i> , 2014 , 4, 44666-44673	3.7	24
19	Cellulose nanofibrils generated from jute fibers with tunable polymorphs and crystallinity. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6402	13	61
18	Lamellae evolution of poly(butylene succinate-co-terephthalate) copolymer induced by uniaxial stretching and subsequent heating. <i>RSC Advances</i> , 2014 , 4, 64625-64633	3.7	14
17	Structure and properties of novel regenerated cellulose fibers prepared in NaOH complex solution. <i>Carbohydrate Polymers</i> , 2013 , 98, 1031-8	10.3	28
16	Facile synthesis of robust amphiphobic nanofibrous membranes. <i>Applied Surface Science</i> , 2013 , 276, 750-755	6.55	8

15	Co-axial electrospun polystyrene/polyurethane fibres for oil collection from water surface. <i>Nanoscale</i> , 2013 , 5, 2745-55	7.7	120
14	Nanoporous polystyrene fibers for oil spill cleanup. <i>Marine Pollution Bulletin</i> , 2012 , 64, 347-52	6.7	221
13	Mechanical robust and thermal tolerant nanofibrous membrane for nanoparticles removal from aqueous solution. <i>Materials Letters</i> , 2012 , 69, 82-85	3.3	21
12	Facile control of intra-fiber porosity and inter-fiber voids in electrospun fibers for selective adsorption. <i>Nanoscale</i> , 2012 , 4, 5316-20	7.7	95
11	Biomimicry via Electrospinning. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2012 , 37, 94-114	10.1	84
10	Subtle regulation of the micro- and nanostructures of electrospun polystyrene fibers and their application in oil absorption. <i>Nanoscale</i> , 2012 , 4, 176-82	7.7	168
9	Fabrication of biomimetic superhydrophobic surfaces inspired by lotus leaf and silver ragwort leaf. <i>Nanoscale</i> , 2011 , 3, 1258-62	7.7	160
8	Nanoparticle decorated fibrous silica membranes exhibiting biomimetic superhydrophobicity and highly flexible properties. <i>RSC Advances</i> , 2011 , 1, 1482	3.7	61
7	Investigation of silica nanoparticle distribution in nanoporous polystyrene fibers. <i>Soft Matter</i> , 2011 , 7, 8376	3.6	59
6	Three-dimensional sensing membrane functionalized quartz crystal microbalance biosensor for chloramphenicol detection in real time. <i>Sensors and Actuators B: Chemical</i> , 2011 , 160, 428-434	8.5	28
5	One-step electro-spinning/netting technique for controllably preparing polyurethane nano-fiber/net. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 1729-34	4.8	71
4	Nanoporous polystyrene fibers functionalized by polyethyleneimine for enhanced formaldehyde sensing. <i>Sensors and Actuators B: Chemical</i> , 2011 , 152, 316-323	8.5	67
3	Direct fabrication of highly nanoporous polystyrene fibers via electrospinning. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 521-8	9.5	227
2	Enhanced Mechanical Properties of Superhydrophobic Microfibrous Polystyrene Mats via Polyamide 6 Nanofibers. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 20452-20457	3.8	92
1	Controllable Generation of Renewable Nanofibrils from Green Materials and Their Application in Nanocomposites	6.1	108