

Roohollah Bagherzadeh

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.

42
papers

954
citations

17
h-index

30
g-index

44
ext. papers

1,130
ext. citations

2.6
avg, IF

4.58
L-index

#	Paper	IF	Citations
42	Hybrid multilayered piezoelectric energy harvesters with non-piezoelectric layers. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 1783	2.1	1
41	Metal oxide nanofibers for flexible organic electronics and sensors 2022 , 159-171		0
40	Design and fabrication of a piezoelectric out-put evaluation system for sensitivity measurements of fibrous sensors and actuators. <i>Journal of Industrial Textiles</i> , 2021 , 50, 1643-1659	1.6	12
39	Advanced fibrous materials for wearable energy harvesting applications 2021 , 93-109		1
38	A novel approach to determining piezoelectric properties of nanogenerators based on PVDF nanofibers using iterative finite element simulation for walking energy harvesting. <i>Journal of Industrial Textiles</i> , 2020 , 152808372092649	1.6	4
37	Tuning energy harvesting devices with different layout angles to robust the mechanical-to-electrical energy conversion performance. <i>Journal of Industrial Textiles</i> , 2020 , 152808372092882 ⁶	1.6	2
36	Expected lifetime of fibrous nanogenerator exposed to cyclic compressive pressure. <i>Journal of Industrial Textiles</i> , 2020 , 152808372091583	1.6	2
35	PEG-PLA-PCL based electrospun yarns with curcumin control release property as suture. <i>Polymer Engineering and Science</i> , 2020 , 60, 1520-1529	2.3	20
34	Flexible electrospun PVDF-BaTiO hybrid structure pressure sensor with enhanced efficiency.. <i>RSC Advances</i> , 2020 , 10, 35090-35098	3.7	18
33	Electrospun ZnO/Poly(Vinylidene Fluoride-Trifluoroethylene) Scaffolds for Lung Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2020 , 26, 1312-1331	3.9	14
32	Flexible hybrid structure piezoelectric nanogenerator based on ZnO nanorod/PVDF nanofibers with improved output.. <i>RSC Advances</i> , 2019 , 9, 10117-10123	3.7	45
31	Electrospun metal oxide nanofibrous mat as a transparent conductive layer. <i>Organic Electronics</i> , 2019 , 70, 131-139	3.5	11
30	Adipose tissue-derived mesenchymal stem cells and keratinocytes co-culture on gelatin/chitosan/Eglycerol phosphate nanoscaffold in skin regeneration. <i>Cell Biology International</i> , 2019 , 43, 1365	4.5	15
29	Align and random electrospun mat of PEDOT:PSS and PEDOT:PSS/RGO 2018 ,		2
28	Nanofiber alignment tuning: An engineering design tool in fabricating wearable power harvesting devices. <i>Journal of Industrial Textiles</i> , 2017 , 47, 535-550	1.6	23
27	Nanofibrous and nanoparticle materials as drug-delivery systems 2017 , 239-270		8
26	Effects of porosity gradient of multilayered electrospun nanofibre mats on air filtration efficiency. <i>Journal of the Textile Institute</i> , 2017 , 108, 1563-1571	1.5	13

25	Electrospun nanofibers in protective clothing 2017 , 571-598		23
24	Electrospun conductive nanofibers for electronics 2017 , 467-519		12
23	Synthesis of mesoporous functional hematite nanofibrous photoanodes by electrospinning. <i>Polymers for Advanced Technologies</i> , 2016 , 27, 358-365	3.2	21
22	Hybrid chitosan-glycerol phosphate-gelatin nano-/micro fibrous scaffolds with suitable mechanical and biological properties for tissue engineering. <i>Biopolymers</i> , 2016 , 105, 163-75	2.2	13
21	Investigation of the pore geometrical structure of nanofibrous membranes using statistical modelling. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	1
20	Fabrication of composite PVDF-ZnO nanofiber mats by electrospinning for energy scavenging application with enhanced efficiency. <i>Journal of Polymer Research</i> , 2015 , 22, 1	2.7	118
19	Multi-layer electrospun nanofiber mats with chemical agent sensor function. <i>Journal of Industrial Textiles</i> , 2015 , 45, 467-480	1.6	16
18	Experimental verification of theoretical prediction of fiber to fiber contacts in electrospun multilayer nano-microfibrous assemblies: Effect of fiber diameter and network porosity. <i>Journal of Industrial Textiles</i> , 2014 , 43, 483-495	1.6	12
17	The application of Cd Se/ZnS quantum dots and confocal laser scanning microscopy for three-dimensional imaging of nanofibrous structures. <i>Journal of Industrial Textiles</i> , 2014 , 43, 496-510	1.6	13
16	Piezoelectric electrospun nanofibrous materials for self-powering wearable electronic textiles applications. <i>Journal of Polymer Research</i> , 2014 , 21, 1	2.7	64
15	Electrical power generation from piezoelectric electrospun nanofibers membranes: electrospinning parameters optimization and effect of membranes thickness on output electrical voltage. <i>Journal of Polymer Research</i> , 2014 , 21, 1	2.7	47
14	Three-dimensional pore structure analysis of polycaprolactone nano-microfibrous scaffolds using theoretical and experimental approaches. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 903-10	5.4	32
13	A theoretical analysis and prediction of pore size and pore size distribution in electrospun multilayer nanofibrous materials. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 2107-17	5.4	46
12	Predicting the influence of seam design on formability and strength of nonwoven structures using artificial neural network. <i>Fibers and Polymers</i> , 2013 , 14, 1535-1540	2	8
11	An investigation in structural parameters of needle-punched nonwoven fabrics on their thermal insulation property. <i>Fibers and Polymers</i> , 2013 , 14, 1748-1753	2	13
10	Three-dimensional pore structure analysis of nano/microfibrous scaffolds using confocal laser scanning microscopy. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 765-74	5.4	41
9	Transport properties of multi-layer fabric based on electrospun nanofiber mats as a breathable barrier textile material. <i>Textile Research Journal</i> , 2012 , 82, 70-76	1.7	89
8	An Investigation on Adding Polypropylene Fibers to Reinforce Lightweight Cement Composites (LWC). <i>Journal of Engineered Fibers and Fabrics</i> , 2012 , 7, 155892501200700	0.9	20

7	Evolution of moisture management behavior of high-wicking 3D warp knitted spacer fabrics. <i>Fibers and Polymers</i> , 2012 , 13, 529-534	2	50
6	Utilizing polypropylene fibers to improve physical and mechanical properties of concrete. <i>Textile Reseach Journal</i> , 2012 , 82, 88-96	1.7	41
5	A theoretical analysis for fiber contacts in multilayer nanofibrous assemblies. <i>Textile Reseach Journal</i> , 2012 , 004051751245676	1.7	1
4	Evaluation of comfort properties of polyester knitted spacer fabrics finished with water repellent and antimicrobial agents. <i>Fibers and Polymers</i> , 2007 , 8, 386-392	2	76
3	Hybrid fibrous (PVDF-BaTiO3)/ PA-11 piezoelectric patch as an energy harvester for pacemakers. <i>Journal of Industrial Textiles</i> ,152808372110575	1.6	1
2	CFD and experimental studies on drag force of swimsuit fabric coated by silica nano particles. <i>Journal of the Textile Institute</i> ,1-12	1.5	
1	In-Situ Constructing Polyether-Based Composite Electrolyte with Bi-Phase Ion Conductivity and Stable Electrolyte/Electrode Interphase for Solid-State Lithium Metal Batteries. <i>Journal of Materials Chemistry A</i> ,	13	1