

# Roohollah Bagherzadeh

## List of Publications by Citations

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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	Fabrication of composite PVDF-ZnO nanofiber mats by electrospinning for energy scavenging application with enhanced efficiency. <i>Journal of Polymer Research</i> , <b>2015</b> , 22, 1	2.7	118
41	Transport properties of multi-layer fabric based on electrospun nanofiber mats as a breathable barrier textile material. <i>Textile Reseach Journal</i> , <b>2012</b> , 82, 70-76	1.7	89
40	Evaluation of comfort properties of polyester knitted spacer fabrics finished with water repellent and antimicrobial agents. <i>Fibers and Polymers</i> , <b>2007</b> , 8, 386-392	2	76
39	Piezoelectric electrospun nanofibrous materials for self-powering wearable electronic textiles applications. <i>Journal of Polymer Research</i> , <b>2014</b> , 21, 1	2.7	64
38	Evolution of moisture management behavior of high-wicking 3D warp knitted spacer fabrics. <i>Fibers and Polymers</i> , <b>2012</b> , 13, 529-534	2	50
37	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> , <b>2014</b> , 21, 1	2.7	47
36	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> , <b>2013</b> , 101, 2107-17	5.4	46
35	Flexible hybrid structure piezoelectric nanogenerator based on ZnO nanorod/PVDF nanofibers with improved output.. <i>RSC Advances</i> , <b>2019</b> , 9, 10117-10123	3.7	45
34	Three-dimensional pore structure analysis of nano/microfibrous scaffolds using confocal laser scanning microscopy. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2013</b> , 101, 765-74	5.4	41
33	Utilizing polypropylene fibers to improve physical and mechanical properties of concrete. <i>Textile Reseach Journal</i> , <b>2012</b> , 82, 88-96	1.7	41
32	Three-dimensional pore structure analysis of polycaprolactone nano-microfibrous scaffolds using theoretical and experimental approaches. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2014</b> , 102, 903-10	5.4	32
31	Nanofiber alignment tuning: An engineering design tool in fabricating wearable power harvesting devices. <i>Journal of Industrial Textiles</i> , <b>2017</b> , 47, 535-550	1.6	23
30	Electrospun nanofibers in protective clothing <b>2017</b> , 571-598		23
29	Synthesis of mesoporous functional hematite nanofibrous photoanodes by electrospinning. <i>Polymers for Advanced Technologies</i> , <b>2016</b> , 27, 358-365	3.2	21
28	PEG-PLA-PCL based electrospun yarns with curcumin control release property as suture. <i>Polymer Engineering and Science</i> , <b>2020</b> , 60, 1520-1529	2.3	20
27	An Investigation on Adding Polypropylene Fibers to Reinforce Lightweight Cement Composites (LWC). <i>Journal of Engineered Fibers and Fabrics</i> , <b>2012</b> , 7, 155892501200700	0.9	20
26	Flexible electrospun PVDF-BaTiO hybrid structure pressure sensor with enhanced efficiency.. <i>RSC Advances</i> , <b>2020</b> , 10, 35090-35098	3.7	18

25	Multi-layer electrospun nanofiber mats with chemical agent sensor function. <i>Journal of Industrial Textiles</i> , <b>2015</b> , 45, 467-480	1.6	16
24	Adipose tissue-derived mesenchymal stem cells and keratinocytes co-culture on gelatin/chitosan/Eglycerol phosphate nanoscaffold in skin regeneration. <i>Cell Biology International</i> , <b>2019</b> , 43, 1365	4.5	15
23	Electrospun ZnO/Poly(Vinylidene Fluoride-Trifluoroethylene) Scaffolds for Lung Tissue Engineering. <i>Tissue Engineering - Part A</i> , <b>2020</b> , 26, 1312-1331	3.9	14
22	Effects of porosity gradient of multilayered electrospun nanofibre mats on air filtration efficiency. <i>Journal of the Textile Institute</i> , <b>2017</b> , 108, 1563-1571	1.5	13
21	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> , <b>2014</b> , 43, 496-510	1.6	13
20	An investigation in structural parameters of needle-punched nonwoven fabrics on their thermal insulation property. <i>Fibers and Polymers</i> , <b>2013</b> , 14, 1748-1753	2	13
19	Hybrid chitosan-Eglycerol phosphate-gelatin nano-/micro fibrous scaffolds with suitable mechanical and biological properties for tissue engineering. <i>Biopolymers</i> , <b>2016</b> , 105, 163-75	2.2	13
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> , <b>2014</b> , 43, 483-495	1.6	12
17	Electrospun conductive nanofibers for electronics <b>2017</b> , 467-519		12
16	Design and fabrication of a piezoelectric out-put evaluation system for sensitivity measurements of fibrous sensors and actuators. <i>Journal of Industrial Textiles</i> , <b>2021</b> , 50, 1643-1659	1.6	12
15	Electrospun metal oxide nanofibrous mat as a transparent conductive layer. <i>Organic Electronics</i> , <b>2019</b> , 70, 131-139	3.5	11
14	Nanofibrous and nanoparticle materials as drug-delivery systems <b>2017</b> , 239-270		8
13	Predicting the influence of seam design on formability and strength of nonwoven structures using artificial neural network. <i>Fibers and Polymers</i> , <b>2013</b> , 14, 1535-1540	2	8
12	Tuning energy harvesting devices with different layout angles to robust the mechanical-to-electrical energy conversion performance. <i>Journal of Industrial Textiles</i> , <b>2020</b> , 152808372092882 <sup>6</sup>	1.6	6
11	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> , <b>2020</b> , 152808372092649	1.6	4
10	Expected lifetime of fibrous nanogenerator exposed to cyclic compressive pressure. <i>Journal of Industrial Textiles</i> , <b>2020</b> , 152808372091583	1.6	2
9	Align and random electrospun mat of PEDOT:PSS and PEDOT:PSS/RGO <b>2018</b> ,		2
8	A theoretical analysis for fiber contacts in multilayer nanofibrous assemblies. <i>Textile Reseach Journal</i> , <b>2012</b> , 004051751245676	1.7	1

7	Hybrid fibrous (PVDF-BaTiO <sub>3</sub> )/ PA-11 piezoelectric patch as an energy harvester for pacemakers. <i>Journal of Industrial Textiles</i> ,152808372110575	1.6	1
6	Hybrid multilayered piezoelectric energy harvesters with non-piezoelectric layers. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2022</b> , 33, 1783	2.1	1
5	Investigation of the pore geometrical structure of nanofibrous membranes using statistical modelling. <i>Applied Physics A: Materials Science and Processing</i> , <b>2016</b> , 122, 1	2.6	1
4	Advanced fibrous materials for wearable energy harvesting applications <b>2021</b> , 93-109		1
3	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
2	Metal oxide nanofibers for flexible organic electronics and sensors <b>2022</b> , 159-171		0
1	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	