

# Mohammad Amani Tehran

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

1,152  
citations

471509

17  
h-index

434195

31  
g-index

74  
all docs

74  
docs citations

74  
times ranked

1674  
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of surface nanoroughness of electrospun PLGA nanofibrous scaffold on nerve cell adhesion and proliferation. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1551-1560.	3.6	110
2	Transport properties of multi-layer fabric based on electrospun nanofiber mats as a breathable barrier textile material. <i>Textile Reseach Journal</i> , 2012, 82, 70-76.	2.2	102
3	Producing continuous twisted yarn from wellâ€aligned nanofibers by water vortex. <i>Polymer Engineering and Science</i> , 2011, 51, 323-329.	3.1	77
4	Electrospun coreâ€shell nanofibers for drug encapsulation and sustained release. <i>Polymer Engineering and Science</i> , 2013, 53, 1770-1779.	3.1	64
5	Promotion of spinal cord axon regeneration by 3D nanofibrous coreâ€sheath scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 506-513.	4.0	60
6	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, 101A, 2107-2117.	4.0	57
7	Threeâ€dimensional pore structure analysis of Nano/Microfibrous scaffolds using confocal laser scanning microscopy. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 765-774.	4.0	47
8	Effect of Accelerated Aging on the Color and Opacity of Resin Cements. <i>Operative Dentistry</i> , 2010, 35, 605-609.	1.2	43
9	Drug release profile in coreâ€shell nanofibrous structures: A study on Peppas equation and artificial neural network modeling. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 113, 92-100.	4.7	42
10	Effect of Nanoporous Fibers on Growth and Proliferation of Cells on Electrospun Poly ( $\mu$ -caprolactone) Scaffolds. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 57-64.	3.4	24
11	Innovative method for electrospinning of continuous TiO <sub>2</sub> nanofiber yarns: Importance of auxiliary polymer and solvent selection. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1886-1891.	5.8	23
12	Conductive 3D structure nanofibrous scaffolds for spinal cord regeneration. <i>Fibers and Polymers</i> , 2017, 18, 1874-1881.	2.1	22
13	Fabrication of Biocompatible PLGA/PCL/PANI Nanofibrous Scaffolds with Electrical Excitability. <i>Fibers and Polymers</i> , 2018, 19, 1813-1819.	2.1	21
14	Incorporation of F-MWCNTs into electrospun nanofibers regulates osteogenesis through stiffness and nanotopography. <i>Materials Science and Engineering C</i> , 2020, 106, 110163.	7.3	21
15	Characterizing bulkiness and hairiness of air-jet textured yarn using imaging techniques. <i>Journal of the Textile Institute</i> , 2005, 96, 251-255.	1.9	19
16	Color recipe prediction by Genetic Algorithm. <i>Dyes and Pigments</i> , 2007, 74, 677-683.	3.7	18
17	Application of artificial neural network (ANN) in order to predict the surface free energy of powders using the capillary rise method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 302, 280-285.	4.7	18
18	Effect of yarn appearance on apparent quality of weft knitted fabric. <i>Journal of the Textile Institute</i> , 2005, 96, 295-301.	1.9	16

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19	Grading of Yarn Appearance Using Image Analysis and an Artificial Intelligence Technique. <i>Textile Reseach Journal</i> , 2006, 76, 187-196.	2.2	16
20	Colour dependency of textile samples on the surface texture. <i>Coloration Technology</i> , 2008, 124, 348-354.	1.5	16
21	Investigating the accuracy of prediction pressure by laplace law in pressureâ€garment applications. <i>Journal of Applied Polymer Science</i> , 2011, 121, 2699-2704.	2.6	15
22	Effects of PLGA nanofibrous scaffolds structure on nerve cell directional proliferation and morphology. <i>Fibers and Polymers</i> , 2013, 14, 698-702.	2.1	15
23	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.	2.4	14
24	Developing optically efficient nanofiber coatings inspired by Cyphochilus white beetle. <i>Journal of Industrial Textiles</i> , 2016, 46, 495-509.	2.4	14
25	Evaluation of dynamic thermal behavior of fibrous layers in presence of phase change material microcapsules. <i>Thermochimica Acta</i> , 2014, 594, 16-23.	2.7	12
26	A new approach to theoretical modeling of heat transfer through fibrous layers incorporated with microcapsules of phase change materials. <i>Thermochimica Acta</i> , 2015, 604, 24-32.	2.7	11
27	New method for obtaining proper initial clusters to perform FCM algorithm for colour image clustering. <i>Journal of the Textile Institute</i> , 2009, 100, 237-244.	1.9	10
28	Interactive genetic algorithm-aided generation of carpet pattern. <i>Journal of the Textile Institute</i> , 2009, 100, 556-564.	1.9	10
29	Distance metrics for very large color differences. <i>Color Research and Application</i> , 2020, 45, 208-223.	1.6	10
30	Rank ordering and image processing methods aided fabric wrinkle evaluation. <i>Fibers and Polymers</i> , 2011, 12, 830-835.	2.1	9
31	TiO <sub>2</sub> nanofiber yarns: A prospective candidate as a photocatalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 23, 182-187.	5.8	8
32	A new manufacturable filter design approach for spectral reflectance estimation. <i>Color Research and Application</i> , 2017, 42, 316-326.	1.6	8
33	Colour metrics for image edge detection. <i>Color Research and Application</i> , 2020, 45, 632-643.	1.6	8
34	Surface Roughness Assessment of Woven Fabrics Using Fringe Projection Moir� Techniques. <i>Fibres and Textiles in Eastern Europe</i> , 2015, 23, 76-84.	0.5	8
35	Investigating the effect of texture on the performance of color difference formulae. <i>Color Research and Application</i> , 2010, 35, 94-100.	1.6	7
36	Definition of structural features of nano coated webs by image processing methods. <i>International Journal of Nanotechnology</i> , 2009, 6, 1131.	0.2	7

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37	Evaluation of scanner capability for measuring the color of fabrics with different textures in different setups. <i>Fibers and Polymers</i> , 2010, 11, 767-774.	2.1	7
38	Prediction of False Twist Textured Yarn Properties by Artificial Neural Network Methodology. <i>Journal of Engineered Fibers and Fabrics</i> , 2013, 8, 155892501300800.	1.0	7
39	AN ARTIFICIAL NEURAL NETWORK APPROACH TO CAPILLARY RISE IN POROUS MEDIA. <i>Chemical Engineering Communications</i> , 2007, 195, 435-448.	2.6	6
40	Assessing the equation of state and comparing it with other relationships used for determining the surface tension of solids. <i>Applied Surface Science</i> , 2010, 256, 1983-1991.	6.1	6
41	Estimation on the 3D porosity of plain knitted fabric under uniaxial extension. <i>Fibers and Polymers</i> , 2012, 13, 535-541.	2.1	6
42	Color naming for the Persian language. <i>Color Research and Application</i> , 2015, 40, 352-360.	1.6	6
43	Investigating the characteristics of two different methods in nanofiber yarn coloration. <i>Journal of the Textile Institute</i> , 2016, 107, 833-841.	1.9	6
44	Predictive model for the frictional characteristics of woven fabrics optimized by the genetic algorithm. <i>Journal of the Textile Institute</i> , 2018, 109, 1083-1090.	1.9	6
45	Metric for evaluation of filter efficiency in spectral cameras. <i>Applied Optics</i> , 2016, 55, 9193.	2.1	6
46	Development of Appearance Grading Method of Cotton Yarns for Various Types of Yarns. <i>Research Journal of Textile and Apparel</i> , 2005, 9, 86-93.	1.1	5
47	Nondestructive Identification of Knot Types in Hand-Made Carpet. PartÂ: Feature Extraction from Grey Images. <i>Journal of Nondestructive Evaluation</i> , 2009, 28, 55-62.	2.4	5
48	Investigating the Effect of False Twist Texturing Process on the Color Coordinates Variation of Spun-dyed Polyester Filament Yarns. <i>Journal of Engineered Fibers and Fabrics</i> , 2011, 6, 155892501100600.	1.0	5
49	Improvement of Impact Damage Resistance of Epoxy-Matrix Composites Using Ductile Hollow Fibers. <i>Journal of Engineered Fibers and Fabrics</i> , 2013, 8, 155892501300800.	1.0	5
50	Mathematical Modeling and Experimental Evaluation for the predication of single nanofiber modulus. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 79, 38-45.	3.1	5
51	Experimental and theoretical investigation of hollow polyester fibers effect on impact behavior of composites. <i>Journal of Industrial Textiles</i> , 2018, 47, 1528-1542.	2.4	5
52	Simulation of ballistic impact on fabric armour using finite-element method. <i>Journal of the Textile Institute</i> , 2009, 100, 314-318.	1.9	4
53	A Study on Electrospun Nanofibrous Mats for Local Antibiotic Delivery. <i>Advanced Materials Research</i> , 0, 829, 510-514.	0.3	4
54	Construction of drag force measuring system to characterize the hydrodynamics properties of swimsuit fabrics. <i>Journal of Industrial Textiles</i> , 2013, 43, 264-280.	2.4	3

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55	Quantification and prediction of visually perceived specular gloss at three illumination/viewing geometries. <i>Journal of Coatings Technology Research</i> , 2016, 13, 239-256.	2.5	3
56	Fabrication of PCL nanofibrous scaffold with tuned porosity for neural cell culture. <i>Progress in Biomaterials</i> , 2021, 10, 151-160.	4.5	3
57	Applying metamer sets to investigate data dependency of principal component analysis method in recovery of spectral data. <i>Color Research and Application</i> , 2011, 36, 349-354.	1.6	2
58	A theoretical analysis for fiber contacts in multilayer nanofibrous assemblies. <i>Textile Research Journal</i> , 0, , 004051751245676.	2.2	2
59	Characterizing cotton yarn appearance due to yarn-to-yarn abrasion by image processing. <i>Journal of the Textile Institute</i> , 2014, 105, 477-482.	1.9	2
60	Use of "colorants replacement technique" in order to reduce the amount of dye consumed in textile dyeing processes. <i>Journal of the Textile Institute</i> , 2014, 105, 119-128.	1.9	2
61	Analysis of Frictional Behavior of Woven Fabrics by a Multi-directional Tactile Sensing Mechanism. <i>Journal of Engineered Fibers and Fabrics</i> , 2015, 10, 155892501501000.	1.0	2
62	Image-based spectral transmission estimation using "sensitivity comparison". <i>Applied Optics</i> , 2017, 56, 417.	2.1	2
63	Hybrid camouflage pattern generation using neural style transfer method. <i>Color Research and Application</i> , 2022, 47, 878-891.	1.6	2
64	Spectral dependence of colorimetric characterisation of scanners. <i>Coloration Technology</i> , 2011, 127, 240-245.	1.5	1
65	Precise Measurement of Tension on Curvature Elastic Shells. <i>Journal of Engineered Fibers and Fabrics</i> , 2013, 8, 155892501300800.	1.0	1
66	Characterization of photocatalytic composite nanofiber yarns with respect to their tensile properties. <i>Journal of Industrial Textiles</i> , 2018, 47, 921-937.	2.4	1
67	Optimal camouflage colors determination using spectral reflectance of real "scene" objects. <i>Color Research and Application</i> , 2021, 46, 341-349.	1.6	1
68	On-line Loom Weft Density Control System Design. <i>Journal of Engineered Fibers and Fabrics</i> , 2015, 10, 155892501501000.	1.0	0
69	New approach for simultaneous measurement of elastic modulus and initial length of viscoelastic material. <i>Journal of the Textile Institute</i> , 0, , 1-8.	1.9	0
70	Effect of Color Sample Lightness on the Performance of PCA Method in Representation of Spectral Reflectance. <i>Journal of Textile Engineering</i> , 2007, 53, 211-216.	0.2	0
71	Fabrication of Biocompatible PLGA/PCL/PANI Nanofibrous Scaffolds with Electrical Excitability. , 2020, , 39-42.		0