

Faheem A Sheikh

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.

110
papers

3,171
citations

31
h-index

53
g-index

115
ext. papers

3,572
ext. citations

4.3
avg, IF

5.33
L-index

#	Paper	IF	Citations
110	A review of protein adsorption and bioactivity characteristics of poly ε-caprolactone scaffolds in regenerative medicine. <i>European Polymer Journal</i> , 2022 , 162, 110892	5.2	2
109	Overview on immobilization of enzymes on synthetic polymeric nanofibers fabricated by electrospinning. <i>Biotechnology and Bioengineering</i> , 2022 , 119, 9-33	4.9	6
108	Nanofiber-Mediated Stem Cell Osteogenesis: Prospects in Bone Tissue Regeneration 2021 , 47-67		1
107	Prospects of Polymeric Nanofibers Loaded with Essential Oils for Biomedical and Food-Packaging Applications. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	18
106	Citrate coated magnetite: A complete magneto dielectric, electrochemical and DFT study for detection and removal of heavy metal ions. <i>Surfaces and Interfaces</i> , 2021 , 23, 101004	4.1	8
105	Strategies to Use Nanofiber Scaffolds as Enzyme-Based Biocatalysts in Tissue Engineering Applications. <i>Catalysts</i> , 2021 , 11, 536	4	2
104	Green Synthesis, Spectroscopic Characterization and Biomedical Applications of Carbon Nanotubes. <i>Current Pharmaceutical Biotechnology</i> , 2021 , 22, 793-807	2.6	3
103	Regenerated cellulose nanofibers from cellulose acetate: Incorporating hydroxyapatite (HAP) and silver (Ag) nanoparticles (NPs), as a scaffold for tissue engineering applications. <i>Materials Science and Engineering C</i> , 2021 , 118, 111547	8.3	26
102	Synthesis, characterization, and cell viability of bifunctional medical-grade polyurethane nanofiber: Functionalization by bone inducing and bacteria ablating materials. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50594	2.9	3
101	Polyelectrolytic nature of chitosan: Influence on physicochemical properties and synthesis of nanoparticles. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 65, 102730	4.5	5
100	Local dual delivery therapeutic strategies: Using biomaterials for advanced bone tissue regeneration. <i>Journal of Controlled Release</i> , 2021 , 339, 143-155	11.7	1
99	Experimental Protocol of MSC Differentiation into Neural Lineage for Nerve Tissue Regeneration Using Polymeric Scaffolds. <i>Methods in Molecular Biology</i> , 2020 , 2125, 109-117	1.4	2
98	Experimental Protocol for Culture and Differentiation of Osteoblasts on 3D Abode Using Nanofiber Scaffolds. <i>Methods in Molecular Biology</i> , 2020 , 2125, 95-108	1.4	3
97	The Role of β - and Metastable Polymorphs on Electrospun Polyamide 6/Functionalized Graphene Oxide. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000195	4.8	6
96	Electrospun nanofibers for the delivery of active drugs through nasal, oral and vaginal mucosa: Current status and future perspectives. <i>Materials Science and Engineering C</i> , 2020 , 111, 110756	8.3	42
95	Experimental Protocol for Induction of Transgene Expression in Neural Stem Cells Through Polymeric Nanoparticles. <i>Methods in Molecular Biology</i> , 2020 , 2125, 77-84	1.4	2
94	Protocol for Determining the Induction of Human Embryonic Stem Cells into Myogenic Lineage Using Electrospun Nanofibers. <i>Methods in Molecular Biology</i> , 2020 , 2125, 39-46	1.4	

93	Methodology Involved in the Osteogenic Differentiation of Mesenchymal Stem Cells on Chitosan-Collagen Nanofibers Incorporated with Titanium Dioxide Nanoparticles. <i>Methods in Molecular Biology</i> , 2020 , 2125, 85-94	1.4	0
92	Composites of Ceramic and Polymeric Nanofibers for Photocatalytic Degradation of Dairy Effluent 2020 , 149-164		
91	Unique Properties of the Gold Nanoparticles: Synthesis, Functionalization and Applications 2020 , 75-98		
90	Recent Advances in the Emergence of Nanorobotics in Medicine 2020 , 119-148		
89	Advancements of Nanotechnology in Diagnostic Applications 2020 , 1-15		
88	Smart Biomaterials from Electrospun Chitosan Nanofibers by Functionalization and Blending in Biomedical Applications 2020 , 51-73		
87	Nanotechnology and Diabetes Management: Recent Advances and Future Perspectives 2020 , 99-117		1
86	Nanocamptothecins as New Generation Pharmaceuticals for the Treatment of Diverse Cancers: Overview on a Natural Product to Nanomedicine 2020 , 39-49		1
85	Polycaprolactone-Based Nanofibers and their In-Vitro and In-Vivo Applications in Bone Tissue Engineering 2020 , 17-38		1
84	Fabrication of multifunctional cellulose/TiO ₂ /Ag composite nanofibers scaffold with antibacterial and bioactivity properties for future tissue engineering applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2020 , 108, 947-962	5.4	24
83	Recent advances in formulating electrospun nanofiber membranes: Delivering active phytoconstituents. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 60, 102038	4.5	10
82	Recent Progress in the Biological Basis of Remodeling Tissue Regeneration Using Nanofibers: Role of Mesenchymal Stem Cells and Biological Molecules. <i>Journal of Bionic Engineering</i> , 2019 , 16, 189-208	2.7	4
81	Recent Trends in the Fabrication of Starch Nanofibers: Electrospinning and Non-electrospinning Routes and Their Applications in Biotechnology. <i>Applied Biochemistry and Biotechnology</i> , 2019 , 187, 47-74	3.2	34
80	Hydrophilically modified poly(vinylidene fluoride) nanofibers incorporating cellulose acetate fabricated by colloidal electrospinning for future tissue-regeneration applications. <i>Polymer Composites</i> , 2019 , 40, 1619-1630	3	2
79	Novel lavender oil and silver nanoparticles simultaneously loaded onto polyurethane nanofibers for wound-healing applications. <i>International Journal of Pharmaceutics</i> , 2019 , 569, 118590	6.5	54
78	Recent trends in peripheral nervous regeneration using 3D biomaterials. <i>Tissue and Cell</i> , 2019 , 59, 70-81	2.7	9
77	Reconstructing nanofibers from natural polymers using surface functionalization approaches for applications in tissue engineering, drug delivery and biosensing devices. <i>Materials Science and Engineering C</i> , 2019 , 94, 1102-1124	8.3	44
76	Development and Characterization of Drug-Loaded Self-Solid Nano-Emulsified Drug Delivery System for Treatment of Diabetes. <i>Material Science Research India</i> , 2018 , 15, 01-11	1	6

75	Prospects of Natural Polymeric Scaffolds in Peripheral Nerve Tissue-Regeneration. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1077, 501-525	3.6	11
74	Scaffolds Fabricated from Natural Polymers/Composites by Electrospinning for Bone Tissue Regeneration. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1078, 49-78	3.6	26
73	Recent Trends in Chitosan Nanofibers: From Tissue-Engineering to Environmental Importance: A Review. <i>Material Science Research India</i> , 2017 , 14, 89-99	1	18
72	ZnGa ₂ O ₄ Nanophosphors: Rapid Synthesis, Characterization and Luminescence Properties. <i>Material Science Research India</i> , 2017 , 14, 116-122	1	4
71	Three dimensional poly(ϵ -caprolactone) and silk fibroin nanocomposite fibrous matrix for artificial dermis. <i>Materials Science and Engineering C</i> , 2016 , 68, 758-767	8.3	54
70	Hybrid scaffolds based on PLGA and silk for bone tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016 , 10, 209-21	4.4	60
69	Photocatalytic properties of Fe ₂ O ₃ -modified rutile TiO ₂ nanofibers formed by electrospinning technique. <i>Materials Chemistry and Physics</i> , 2016 , 172, 62-68	4.4	18
68	Facile And Efficient Strategy For Removal Of Reactive Industrial Dye By Using Tea Waste. <i>Advanced Materials Letters</i> , 2016 , 7, 878-885	2.4	5
67	A super hydrophilic modification of poly(vinylidene fluoride) (PVDF) nanofibers: By in situ hydrothermal approach. <i>Applied Surface Science</i> , 2016 , 385, 417-425	6.7	23
66	A Simple Method of Electrospun Tungsten Trioxide Nanofibers with Enhanced Visible-Light Photocatalytic Activity. <i>Nano-Micro Letters</i> , 2015 , 7, 291-297	19.5	34
65	Synthesis and application of CeO ₂ /NiO loaded TiO ₂ nanofiber as novel catalyst for hydrogen production from sodium borohydride hydrolysis. <i>Energy</i> , 2015 , 89, 568-575	7.9	24
64	Synthesis, characterization, and application of silica supported ionic liquid as catalyst for reductive amination of cyclohexanone with formic acid and triethyl amine as hydrogen source. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 1365-1371	11.3	15
63	Imaging, spectroscopy, mechanical, alignment and biocompatibility studies of electrospun medical grade polyurethane (Carbothane B575A) nanofibers and composite nanofibers containing multiwalled carbon nanotubes. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015 , 41, 189-98	4.1	41
62	Glycerol functionalized imidazolium tri-cationic room temperature ionic liquids: Synthesis, properties and catalytic performance for 2-azidoalcohol synthesis from epoxide. <i>Journal of Molecular Liquids</i> , 2015 , 208, 314-321	6	17
61	Preparation and application of Sm/Ni oxide doped TiO ₂ nanofiber as catalyst in hydrogen production from sodium borohydride hydrolysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 484, 242-252	5.1	22
60	3D electrospun silk fibroin nanofibers for fabrication of artificial skin. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 681-91	6	106
59	Synthesis and characterization of poly (vinylidene fluoride)/calcium phosphate composite for potential tissue engineering applications. <i>Ceramics International</i> , 2015 , 41, 7066-7072	5.1	20
58	Facile Strategy for Utilizing Sugarcane Bagasse as Bio-Adsorbent for the Removal of Contaminant form Effluents of Textile Industry. <i>Energy and Environment Focus</i> , 2015 , 4, 28-33		2

57	A Comparative Study Of Polyurethane Nanofibers With Different Patterns And Its Analogous Nanofibers Containing MWCNTs. <i>Advanced Materials Letters</i> , 2015 , 6, 768-773	2.4	2
56	Biodegradable electrospun nanofibers coated with platelet-rich plasma for cell adhesion and proliferation. <i>Materials Science and Engineering C</i> , 2014 , 40, 180-8	8.3	74
55	Imaging, Spectroscopic, Mechanical and Biocompatibility Studies of Electrospun Tecoflex EG 80A Nanofibers and Composites Thereof Containing Multiwalled Carbon Nanotubes. <i>Applied Surface Science</i> , 2014 , 321, 205-213	6.7	15
54	A comparative mechanical and biocompatibility study of poly(ϵ -caprolactone), hybrid poly(ϵ -caprolactone)/ilk, and silk nanofibers by colloidal electrospinning technique for tissue engineering. <i>Journal of Bioactive and Compatible Polymers</i> , 2014 , 29, 500-514	2	15
53	Fabrication of microporous three-dimensional scaffolds from silk fibroin for tissue engineering. <i>Macromolecular Research</i> , 2014 , 22, 592-599	1.9	14
52	Silk fibroin based hydrogel for regeneration of burn induced wounds. <i>Tissue Engineering and Regenerative Medicine</i> , 2014 , 11, 203-210	4.5	18
51	Facile and highly efficient approach for the fabrication of multifunctional silk nanofibers containing hydroxyapatite and silver nanoparticles. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 3459-69	5.4	16
50	3D silk fibroin scaffold incorporating titanium dioxide (TiO ₂) nanoparticle (NPs) for tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2014 , 68, 158-68	7.9	41
49	Development of artificial dermis using 3D electrospun silk fibroin nanofiber matrix. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 1294-303	4	44
48	Fabrication of poly(lactic-co-glycolic acid) scaffolds containing silk fibroin scaffolds for tissue engineering applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 2713-24	5.4	18
47	Fabrication and Characterization of PCL/TiO ₂ Nanoparticle 3D Scaffold. <i>Porrime</i> , 2014 , 38, 150-155	1	1
46	A novel approach to fabricate silk nanofibers containing hydroxyapatite nanoparticles using a three-way stopcock connector. <i>Nanoscale Research Letters</i> , 2013 , 8, 303	5	20
45	9,10-seco-9,19-cyclolanostane triterpene from <i>Salix caprea</i> L. (goat willow). <i>Natural Product Research</i> , 2013 , 27, 171-5	2.3	5
44	Bimetallic Zn/Ag doped polyurethane spider net composite nanofibers: A novel multipurpose electrospun mat. <i>Ceramics International</i> , 2013 , 39, 2503-2510	5.1	31
43	Air jet spinning of hydroxyapatite/poly(lactic acid) hybrid nanocomposite membrane mats for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 102, 635-43	6	126
42	Zinc oxide-doped poly(urethane) spider web nanofibrous scaffold via one-step electrospinning: a novel matrix for tissue engineering. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 1725-34	5.7	46
41	Comparative Study of Vapor Pressure Prediction Methods for Alcohol-Gasoline Blends. <i>Energy and Environment Focus</i> , 2013 , 2, 171-175		5
40	Facile Pore Structure Control of Poly(ϵ -caprolactone) Nano-Fibrous Scaffold by Salt-Dispenser Aided Electrospinning. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2013 , 3, 269-275		9

39	Fabrication and Characterization of Silk/PVA Hydrogels by Sonication and Freezing-Thawing Technique. <i>Porrime</i> , 2013 , 37, 717-721	1	1
38	Zinc oxide hierarchical nanostructure and its photocatalytic properties. <i>Applied Surface Science</i> , 2012 , 258, 3695-3702	6.7	36
37	A simple approach for synthesis, characterization and bioactivity of bovine bones to fabricate the polyurethane nanofiber containing hydroxyapatite nanoparticles. <i>EXPRESS Polymer Letters</i> , 2012 , 6,	3.4	30
36	Titanium Dioxide Nanofibers and Microparticles Containing Nickel Nanoparticles. <i>ISRN Nanomaterials</i> , 2012 , 2012,		12
35	Fabrication of Poly(vinylidene fluoride) (PVDF) Nanofibers Containing Nickel Nanoparticles as Future Energy Server Materials. <i>Science of Advanced Materials</i> , 2011 , 3,	2.3	28
34	Nanobiotechnology approach to fabricate polycaprolactone nanofibers containing solid titanium nanoparticles as future implant materials. <i>International Journal of Materials Research</i> , 2011 , 102, 1481-1487	0.5	3
33	Synthesis and characterization of bovine femur bone hydroxyapatite containing silver nanoparticles for the biomedical applications. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 1917-1927	2.3	52
32	Fabrication of poly(caprolactone) nanofibers containing hydroxyapatite nanoparticles and their mineralization in a simulated body fluid. <i>Fibers and Polymers</i> , 2011 , 12, 50-56	2	9
31	Polyurethane nanofibers containing copper nanoparticles as future materials. <i>Applied Surface Science</i> , 2011 , 257, 3020-3026	6.7	81
30	Co ₃ O ₄ /ZnO hierarchical nanostructures by electrospinning and hydrothermal methods. <i>Applied Surface Science</i> , 2011 , 257, 7975-7981	6.7	27
29	Fabrication of Mineralized Collagen from Bovine Waste Materials by Hydrothermal Method as Promised Biomaterials. <i>Journal of Biomaterials and Tissue Engineering</i> , 2011 , 1,	0.3	6
28	Co ₃ O ₄ , ZnO, Co ₃ O ₄ -ZnO Nanofibers and Their Properties. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2011 , 1, 196-202		8
27	Biologically Active Polycaprolactone/Titanium Hybrid Electrospun Nanofibers for Hard Tissue Engineering. <i>Science of Advanced Materials</i> , 2011 , 3, 730-734	2.3	16
26	CoNi Bimetallic Nanofibers by Electrospinning: Nickel-Based Soft Magnetic Material with Improved Magnetic Properties. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 15589-15593	3.8	103
25	Gallium arsenide (GaAs) nanofibers by electrospinning technique as future energy server materials. <i>Fibers and Polymers</i> , 2010 , 11, 384-390	2	9
24	Effects of silver content and morphology on the catalytic activity of silver-grafted titanium oxide nanostructure. <i>Fibers and Polymers</i> , 2010 , 11, 700-709	2	31
23	Synthesis of poly(vinyl alcohol) (PVA) nanofibers incorporating hydroxyapatite nanoparticles as future implant materials. <i>Macromolecular Research</i> , 2010 , 18, 59-66	1.9	49
22	Photocatalytic activity of ZnO-TiO ₂ hierarchical nanostructure prepared by combined electrospinning and hydrothermal techniques. <i>Macromolecular Research</i> , 2010 , 18, 233-240	1.9	72

21	Boron nitride nanofibers by the electrospinning technique. <i>Macromolecular Research</i> , 2010 , 18, 551-557	1.9	12
20	Electrospun titanium dioxide nanofibers containing hydroxyapatite and silver nanoparticles as future implant materials. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 2551-9	4.5	22
19	Electronic characterization and photocatalytic properties of TiO ₂ /CdO electrospun nanofibers. <i>Journal of Materials Science</i> , 2010 , 45, 1272-1279	4.3	48
18	Physiochemical characterizations of electrospun (ZnO/CeO ₂) nanofibers and their optical properties. <i>Journal of Materials Science</i> , 2010 , 45, 3833-3840	4.3	6
17	Silver Nanofibres by a Novel Electrospinning Process: Nanofibres with Plasmon Resonance in the IR Region and Thermal Hysteresis Electrical Conductivity Features. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 1481-1488	2.3	13
16	Self synthesise of silver nanoparticles in/on polyurethane nanofibers: Nano-biotechnological approach. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 3189-3198	2.9	34
15	Fabrication of titanium dioxide nanofibers containing hydroxyapatite nanoparticles. <i>Applied Surface Science</i> , 2010 , 257, 296-301	6.7	13
14	Polymeric nanofibers containing solid nanoparticles prepared by electrospinning and their applications. <i>Chemical Engineering Journal</i> , 2010 , 156, 487-495	14.7	96
13	Electrospun Titania Oxide Nanofibers Coupled Zinc Oxide Nanobranches as a Novel Nanostructure for Lithium Ion Batteries Applications. <i>Bioceramics Development and Applications</i> , 2010 , 1, 1-3		3
12	Novel self-assembled amphiphilic poly(epsilon-caprolactone)-grafted-poly(vinyl alcohol) nanoparticles: hydrophobic and hydrophilic drugs carrier nanoparticles. <i>Journal of Materials Science: Materials in Medicine</i> , 2009 , 20, 821-31	4.5	52
11	Electrospun antimicrobial polyurethane nanofibers containing silver nanoparticles for biotechnological applications. <i>Macromolecular Research</i> , 2009 , 17, 688-696	1.9	119
10	Functionalization of Electrospun Titanium Oxide Nanofibers with Silver Nanoparticles: Strongly Effective Photocatalyst. <i>International Journal of Applied Ceramic Technology</i> , 2009 , 7, E54-E63	2	42
9	Self-assembled amphiphilic polyhedral oligosilsesquioxane (POSS) grafted poly(vinyl alcohol) (PVA) nanoparticles. <i>Materials Science and Engineering C</i> , 2009 , 29, 869-876	8.3	24
8	Spider-net within the N6, PVA and PU electrospun nanofiber mats using salt addition: Novel strategy in the electrospinning process. <i>Polymer</i> , 2009 , 50, 4389-4396	3.9	180
7	Extraction of pure natural hydroxyapatite from the bovine bones bio waste by three different methods. <i>Journal of Materials Processing Technology</i> , 2009 , 209, 3408-3415	5.3	214
6	Synthesis and Optical Properties of Two Cobalt Oxides (CoO and Co ₃ O ₄) Nanofibers Produced by Electrospinning Process. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 12225-12233	3.8	183
5	Production of beads like hollow nickel oxide nanoparticles using colloidal -gel electrospinning methodology. <i>Journal of Materials Science</i> , 2008 , 43, 860-864	4.3	12
4	Physiochemical characterizations of nanobelts consisting of three mixed oxides (Co ₃ O ₄ , CuO, and MnO ₂) prepared by electrospinning technique. <i>Journal of Materials Science</i> , 2008 , 43, 5489-5494	4.3	24

3	Physiochemical characterizations of hydroxyapatite extracted from bovine bones by three different methods: Extraction of biologically desirable HAp. <i>Materials Science and Engineering C</i> , 2008 , 28, 1381-1387	83	122
2	Amphiphilic Poly(vinyl alcohol) Hybrids and Electrospun Nanofibers Incorporating Polyhedral Oligosilsesquioxane. <i>Macromolecules</i> , 2007 , 40, 4823-4828	55	56
1	Natural mulberry biomass fibers doped with silver as an antimicrobial textile: a new generation fabric. <i>Textile Reseach Journal</i> ,004051752110134	1.7	0