

Mehdi Farokhi

List of Publications by Citations

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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.

63

papers

2,745

citations

29

h-index

52

g-index

66

ext. papers

3,495

ext. citations

6.6

avg, IF

5.54

L-index

#	Paper	IF	Citations
63	Silk fibroin nanoparticle as a novel drug delivery system. <i>Journal of Controlled Release</i> , 2015 , 206, 161-76	11.7	227
62	Silk fibroin/hydroxyapatite composites for bone tissue engineering. <i>Biotechnology Advances</i> , 2018 , 36, 68-91	17.8	224
61	Overview of Silk Fibroin Use in Wound Dressings. <i>Trends in Biotechnology</i> , 2018 , 36, 907-922	15.1	198
60	Importance of dual delivery systems for bone tissue engineering. <i>Journal of Controlled Release</i> , 2016 , 225, 152-69	11.7	113
59	Status and future scope of plant-based green hydrogels in biomedical engineering. <i>Applied Materials Today</i> , 2019 , 16, 213-246	6.6	100
58	Silk as a potential candidate for bone tissue engineering. <i>Journal of Controlled Release</i> , 2015 , 215, 112-28	11.7	100
57	Nanoclay-reinforced electrospun chitosan/PVA nanocomposite nanofibers for biomedical applications. <i>RSC Advances</i> , 2015 , 5, 10479-10487	3.7	99
56	Sustainable Release of Vancomycin from Silk Fibroin Nanoparticles for Treating Severe Bone Infection in Rat Tibia Osteomyelitis Model. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5128-5138	9.5	88
55	Fabrication of porous chitosan/poly(vinyl alcohol) reinforced single-walled carbon nanotube nanocomposites for neural tissue engineering. <i>Journal of Biomedical Nanotechnology</i> , 2011 , 7, 276-84	4	86
54	Ploxamer: A versatile tri-block copolymer for biomedical applications. <i>Acta Biomaterialia</i> , 2020 , 110, 37-67	10.8	79
53	A biosynthetic nerve guide conduit based on silk/SWNT/fibronectin nanocomposite for peripheral nerve regeneration. <i>PLoS ONE</i> , 2013 , 8, e74417	3.7	78
52	Bio-hybrid silk fibroin/calcium phosphate/PLGA nanocomposite scaffold to control the delivery of vascular endothelial growth factor. <i>Materials Science and Engineering C</i> , 2014 , 35, 401-10	8.3	76
51	New insights into designing hybrid nanoparticles for lung cancer: Diagnosis and treatment. <i>Journal of Controlled Release</i> , 2019 , 295, 250-267	11.7	69
50	Functionalized theranostic nanocarriers with bio-inspired polydopamine for tumor imaging and chemo-photothermal therapy. <i>Journal of Controlled Release</i> , 2019 , 309, 203-219	11.7	63
49	Hyaluronic Acid (HA)-Based Silk Fibroin/Zinc Oxide Core-Shell Electrospun Dressing for Burn Wound Management. <i>Macromolecular Bioscience</i> , 2020 , 20, e1900328	5.5	62
48	Targeted Delivery System Based on Gemcitabine-Loaded Silk Fibroin Nanoparticles for Lung Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31600-31611	9.5	61
47	Sustained release of platelet-derived growth factor and vascular endothelial growth factor from silk/calcium phosphate/PLGA based nanocomposite scaffold. <i>International Journal of Pharmaceutics</i> , 2013 , 454, 216-25	6.5	59

46	Polyurethane foam/nano hydroxyapatite composite as a suitable scaffold for bone tissue regeneration. <i>Materials Science and Engineering C</i> , 2018 , 82, 130-140	8.3	59
45	Functionalized silk fibroin nanofibers as drug carriers: Advantages and challenges. <i>Journal of Controlled Release</i> , 2020 , 321, 324-347	11.7	58
44	Enhancement of neural cell lines proliferation using nano-structured chitosan/poly(vinyl alcohol) scaffolds conjugated with nerve growth factor. <i>Carbohydrate Polymers</i> , 2011 , 86, 526-535	10.3	54
43	Fabrication and characterization of poly(D,L-lactide-co-glycolide)/hydroxyapatite nanocomposite scaffolds for bone tissue regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 94, 137-454	5.4	52
42	Silk fibroin scaffolds for common cartilage injuries: Possibilities for future clinical applications. <i>European Polymer Journal</i> , 2019 , 115, 251-267	5.2	48
41	Electrospun nerve guide scaffold of poly(ϵ -caprolactone)/collagen/nanobioglass: an in vitro study in peripheral nerve tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 1960-1972	5.4	47
40	Electroactive bio-epoxy incorporated chitosan-oligoaniline as an advanced hydrogel coating for neural interfaces. <i>Progress in Organic Coatings</i> , 2019 , 131, 389-396	4.8	47
39	Agarose-based biomaterials for advanced drug delivery. <i>Journal of Controlled Release</i> , 2020 , 326, 523-543	11.7	44
38	Prospects of peripheral nerve tissue engineering using nerve guide conduits based on silk fibroin protein and other biopolymers. <i>International Materials Reviews</i> , 2017 , 62, 367-391	16.1	43
37	Silk fibroin/kappa-carrageenan composite scaffolds with enhanced biomimetic mineralization for bone regeneration applications. <i>Materials Science and Engineering C</i> , 2017 , 76, 951-958	8.3	38
36	In vitro biocompatibility evaluations of hyperbranched polyglycerol hybrid nanostructure as a candidate for nanomedicine applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2014 , 25, 499-506	4.5	35
35	In vitro evaluation of biomimetic nanocomposite scaffold using endometrial stem cell derived osteoblast-like cells. <i>Tissue and Cell</i> , 2013 , 45, 328-37	2.7	35
34	Structural and functional changes of silk fibroin scaffold due to hydrolytic degradation. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	28
33	Porous crosslinked poly(ϵ -caprolactone fumarate)/nanohydroxyapatite composites for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 1051-60	5.4	24
32	Preparation of a Codelivery System Based on Vancomycin/Silk Scaffold Containing Silk Nanoparticle Loaded VEGF. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 2836-2846	5.5	22
31	Synthesis of nano β TCP and the effects on the mechanical and biological properties of β TCP/HDPE/UHMWPE nanocomposites. <i>Polymer Composites</i> , 2010 , 31, 1745-1753	3	21
30	Electrospun pectin/modified copper-based metal-organic framework (MOF) nanofibers as a drug delivery system. <i>International Journal of Biological Macromolecules</i> , 2021 , 173, 351-365	7.9	21
29	Conductive biomaterials as nerve conduits: Recent advances and future challenges. <i>Applied Materials Today</i> , 2020 , 20, 100784	6.6	20

28	Characterization of alginate-brushite in-situ hydrogel composites. <i>Materials Science and Engineering C</i> , 2016 , 67, 502-510	8.3	20
27	Biocompatibility evaluation of HDPE-UHMWPE reinforced β -TCP nanocomposites using highly purified human osteoblast cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 95, 1074-83	5.4	20
26	Prospects of siRNA applications in regenerative medicine. <i>International Journal of Pharmaceutics</i> , 2017 , 524, 312-329	6.5	19
25	Effect of magnesium substitution on structural and biological properties of synthetic hydroxyapatite powder. <i>Materials Express</i> , 2015 , 5, 41-48	1.3	19
24	Dual drug delivery system based on pH-sensitive silk fibroin/alginate nanoparticles entrapped in PNIPAM hydrogel for treating severe infected burn wound. <i>Biofabrication</i> , 2020 , 13, 015005	10.5	19
23	A silk fibroin/decellularized extract of Wharton's jelly hydrogel intended for cartilage tissue engineering. <i>Progress in Biomaterials</i> , 2019 , 8, 31-42	4.4	15
22	Endothelial and Osteoblast Differentiation of Adipose-Derived Mesenchymal Stem Cells Using a Cobalt-Doped CaP/Silk Fibroin Scaffold. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 2134-2146	5.5	13
21	Bilayer Cylindrical Conduit Consisting of Electrospun Polycaprolactone Nanofibers and DSC Cross-Linked Sodium Alginate Hydrogel to Bridge Peripheral Nerve Gaps. <i>Macromolecular Bioscience</i> , 2020 , 20, e2000149	5.5	13
20	Fabricating an electroactive injectable hydrogel based on pluronic-chitosan/aniline-pentamer containing angiogenic factor for functional repair of the hippocampus ischemia rat model. <i>Materials Science and Engineering C</i> , 2020 , 117, 111328	8.3	13
19	Effects of Electromagnetic Stimulation on Gene Expression of Mesenchymal Stem Cells and Repair of Bone Lesions. <i>Cell Journal</i> , 2017 , 19, 34-44	2.4	12
18	Vancomycin loaded halloysite nanotubes embedded in silk fibroin hydrogel applicable for bone tissue engineering. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020 , 69, 32-43	3	12
17	Silk fibroin/alumina nanoparticle scaffold using for osteogenic differentiation of rabbit adipose-derived stem cells. <i>Materialia</i> , 2020 , 9, 100518	3.2	12
16	Carbon Dots Conjugated with Vascular Endothelial Growth Factor for Protein Tracking in Angiogenic Therapy. <i>Langmuir</i> , 2020 , 36, 2893-2900	4	11
15	Conductive Biomaterials as Substrates for Neural Stem Cells Differentiation towards Neuronal Lineage Cells. <i>Macromolecular Bioscience</i> , 2021 , 21, e2000123	5.5	10
14	Combination Therapy of Breast Cancer by Codelivery of Doxorubicin and Survivin siRNA Using Polyethylenimine Modified Silk Fibroin Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 1074-1087	5.5	10
13	The effect of fibronectin on structural and biological properties of single walled carbon nanotube. <i>Applied Surface Science</i> , 2015 , 339, 85-93	6.7	7
12	Induction of spontaneous neo-angiogenesis and tube formation in human endometrial stem cells by bioglass. <i>Journal of Medical Hypotheses and Ideas</i> , 2015 , 9, 94-98		7
11	Evaluation of the toxicity effects of silk fibroin on human lymphocytes and monocytes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018 , 32, e22056	3.4	7

10	Applications of a metabolic network model of mesenchymal stem cells for controlling cell proliferation and differentiation. <i>Cytotechnology</i> , 2018 , 70, 331-338	2.2	7
9	Preparation of microfluidic-based pectin microparticles loaded carbon dots conjugated with BMP-2 embedded in gelatin-elastin-hyaluronic acid hydrogel scaffold for bone tissue engineering application. <i>International Journal of Biological Macromolecules</i> , 2021 , 184, 29-41	7.9	5
8	Letter to editor for supporting "Characterization of alginate-brushite in-situ hydrogel composites". <i>Materials Science and Engineering C</i> , 2017 , 74, 410-412	8.3	3
7	Silk Fibroin Nanoadjuvant as a Promising Vaccine Carrier to Deliver the FimH-IutA Antigen for Urinary Tract Infection. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 4573-4582	5.5	3
6	Essential Functionality of Endometrial and Adipose Stem Cells in Normal and Mechanically Motivated Conditions. <i>Journal of Biomaterials and Tissue Engineering</i> , 2013 , 3, 581-588	0.3	2
5	Composite Microgels for Imaging-Monitored Tracking of the Delivery of Vascular Endothelial Growth Factor to Ischemic Muscles. <i>Biomacromolecules</i> , 2021 ,	6.9	2
4	Silk Fibroin Nanoparticles Functionalized with Fibronectin for Release of Vascular Endothelial Growth Factor to Enhance Angiogenesis. <i>Journal of Natural Fibers</i> , 1-12	1.8	1
3	Thermosensitive chitosan/poly(N-isopropyl acrylamide) nanoparticles embedded in aniline pentamer/silk fibroin/polyacrylamide as an electroactive injectable hydrogel for healing critical-sized calvarial bone defect in aging rat model. <i>International Journal of Biological Macromolecules</i> , 2022 , 213, 352-368	7.9	1
2	The Effect of Fibronectin Coating on Protein Corona Structure and Cellular Uptake of Single-Walled Carbon Nanotubes. <i>Precision Nanomedicine</i> , 2020 , 3, 459-470	1.2	0
1	Nano-adjuvant based on silk fibroin for the delivery of recombinant hepatitis B surface antigen. <i>Biomaterials Science</i> , 2021 , 9, 2679-2695	7.4	0