Fatemeh Mottaghitalab

List of Publications by Year
in descending order

38	2,989	186209 28	345118 36
papers	citations	h-index	g-index

38	38	38	4225
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Overview of Silk Fibroin Use in Wound Dressings. Trends in Biotechnology, 2018, 36, 907-922.	4.9	330
2	Silk fibroin/hydroxyapatite composites for bone tissue engineering. Biotechnology Advances, 2018, 36, 68-91.	6.0	320
3	Silk fibroin nanoparticle as a novel drug delivery system. Journal of Controlled Release, 2015, 206, 161-176.	4.8	304
4	Importance of dual delivery systems for bone tissue engineering. Journal of Controlled Release, 2016, 225, 152-169.	4.8	146
5	Silk as a potential candidate for bone tissue engineering. Journal of Controlled Release, 2015, 215, 112-128.	4.8	135
6	Sustainable Release of Vancomycin from Silk Fibroin Nanoparticles for Treating Severe Bone Infection in Rat Tibia Osteomyelitis Model. ACS Applied Materials & Interfaces, 2017, 9, 5128-5138.	4.0	135
7	Agarose-based biomaterials for advanced drug delivery. Journal of Controlled Release, 2020, 326, 523-543.	4.8	134
8	Functionalized silk fibroin nanofibers as drug carriers: Advantages and challenges. Journal of Controlled Release, 2020, 321, 324-347.	4.8	125
9	New insights into designing hybrid nanoparticles for lung cancer: Diagnosis and treatment. Journal of Controlled Release, 2019, 295, 250-267.	4.8	119
10	Functionalized theranostic nanocarriers with bio-inspired polydopamine for tumor imaging and chemo-photothermal therapy. Journal of Controlled Release, 2019, 309, 203-219.	4.8	107
11	Fabrication of Porous Chitosan/Poly(vinyl alcohol) Reinforced Single-Walled Carbon Nanotube Nanocomposites for Neural Tissue Engineering. Journal of Biomedical Nanotechnology, 2011, 7, 276-284.	0.5	101
12	A Biosynthetic Nerve Guide Conduit Based on Silk/SWNT/Fibronectin Nanocomposite for Peripheral Nerve Regeneration. PLoS ONE, 2013, 8, e74417.	1.1	90
13	Bio-hybrid silk fibroin/calcium phosphate/PLGA nanocomposite scaffold to control the delivery of vascular endothelial growth factor. Materials Science and Engineering C, 2014, 35, 401-410.	3.8	86
14	Targeted Delivery System Based on Gemcitabine-Loaded Silk Fibroin Nanoparticles for Lung Cancer Therapy. ACS Applied Materials & Interfaces, 2017, 9, 31600-31611.	4.0	86
15	Silk fibroin scaffolds for common cartilage injuries: Possibilities for future clinical applications. European Polymer Journal, 2019, 115, 251-267.	2.6	71
16	Sustained release of platelet-derived growth factor and vascular endothelial growth factor from silk/calcium phosphate/PLGA based nanocomposite scaffold. International Journal of Pharmaceutics, 2013, 454, 216-225.	2.6	70
17	Enhancement of neural cell lines proliferation using nano-structured chitosan/poly(vinyl alcohol) scaffolds conjugated with nerve growth factor. Carbohydrate Polymers, 2011, 86, 526-535.	5.1	65
18	Prospects of peripheral nerve tissue engineering using nerve guide conduits based on silk fibroin protein and other biopolymers. International Materials Reviews, 2017, 62, 367-391.	9.4	62

#	Article	IF	Citations
19	Aptamer decorated hyaluronan/chitosan nanoparticles for targeted delivery of 5-fluorouracil to MUC1 overexpressing adenocarcinomas. Carbohydrate Polymers, 2015, 121, 190-198.	5.1	61
20	Dual drug delivery system based on pH-sensitive silk fibroin/alginate nanoparticles entrapped in PNIPAM hydrogel for treating severe infected burn wound. Biofabrication, 2021, 13, 015005.	3.7	49
21	Combination Therapy of Breast Cancer by Codelivery of Doxorubicin and Survivin siRNA Using Polyethylenimine Modified Silk Fibroin Nanoparticles. ACS Biomaterials Science and Engineering, 2021, 7, 1074-1087.	2.6	40
22	Preparation of a Codelivery System Based on Vancomycin/Silk Scaffold Containing Silk Nanoparticle Loaded VEGF. ACS Biomaterials Science and Engineering, 2018, 4, 2836-2846.	2.6	36
23	Conductive Biomaterials as Substrates for Neural Stem Cells Differentiation towards Neuronal Lineage Cells. Macromolecular Bioscience, 2021, 21, e2000123.	2.1	34
24	Vancomycin loaded halloysite nanotubes embedded in silk fibroin hydrogel applicable for bone tissue engineering. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 32-43.	1.8	33
25	Structural and functional changes of silk fibroin scaffold due to hydrolytic degradation. Journal of Applied Polymer Science, 2014, 131, .	1.3	32
26	Gold nanorods reinforced silk fibroin nanocomposite for peripheral nerve tissue engineering applications. International Journal of Biological Macromolecules, 2019, 129, 1034-1039.	3.6	31
27	The bio-interface between functionalized Au NR@GO nanoplatforms with protein corona and their impact on delivery and release system. Colloids and Surfaces B: Biointerfaces, 2019, 173, 891-898.	2.5	30
28	Cationic graphene oxide nanoplatform mediates miR-101 delivery to promote apoptosis by regulating autophagy and stress. International Journal of Nanomedicine, 2018, Volume 13, 5865-5886.	3.3	29
29	Prospects of siRNA applications in regenerative medicine. International Journal of Pharmaceutics, 2017, 524, 312-329.	2.6	28
30	Bilayer Cylindrical Conduit Consisting of Electrospun Polycaprolactone Nanofibers and DSC Crossâ€Linked Sodium Alginate Hydrogel to Bridge Peripheral Nerve Gaps. Macromolecular Bioscience, 2020, 20, e2000149.	2.1	26
31	Silk fibroin/alumina nanoparticle scaffold using for osteogenic differentiation of rabbit adipose-derived stem cells. Materialia, 2020, 9, 100518.	1.3	23
32	Dual drug delivery system of teicoplanin and phenamil based on pH-sensitive silk fibroin/sodium alginate hydrogel scaffold for treating chronic bone infection. , 2022, 139, 213032.		23
33	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. International Journal of Biological Macromolecules, 2022, 213, 352-368.	3.6	12
34	The effect of fibronectin on structural and biological properties of single walled carbon nanotube. Applied Surface Science, 2015, 339, 85-93.	3.1	7
35	Silk Fibroin Nanoparticles Functionalized with Fibronectin for Release of Vascular Endothelial Growth Factor to Enhance Angiogenesis. Journal of Natural Fibers, 2022, 19, 9223-9234.	1.7	4
36	Application of microfluidic systems for neural differentiation of cells. Precision Nanomedicine, 2019, 2, 370-381.	0.4	4

#	Article	IF	Citations
37	The Effect of Fibronectin Coating on Protein Corona Structure and Cellular Uptake of Single-Walled Carbon Nanotubes. Precision Nanomedicine, 2020, 3, 459-470.	0.4	1
38	siRNA-based nucleoceuticals for tissue regeneration. , 2017, , 741-768.		0