Jhamak Nourmohammadi Kouhanestan

List of Publications by Year
in descending order

45 papers	1,663 citations	236925 25 h-index	289244 40 g-index
46 all docs	46 docs citations	46 times ranked	2264 citing authors

#	Article	IF	Citations
1	Surface modification of titanium implants via electrospinning of sericin and <i>Equisetum arvense</i> enhances the osteogenic differentiation of stem cells. International Journal of Polymeric Materials and Polymeric Biomaterials, 2022, 71, 1025-1036.	3.4	4
2	Coating of <scp>3D</scp>â€printed <scp>poly (Îµâ€caprolactone)</scp> scaffolds with silk protein sericin enhances the osteogenic differentiation of human mesenchymal stem cells. Polymers for Advanced Technologies, 2022, 33, 1211-1221.	3.2	4
3	Carboxymethyl carrageenan immobilized on 3D-printed polycaprolactone scaffold for the adsorption of calcium phosphate/strontium phosphate adapted to bone regeneration. International Journal of Biological Macromolecules, 2022, 206, 861-874.	7.5	9
4	Osteogenesis capability of three-dimensionally printed poly(lactic acid)-halloysite nanotube scaffolds containing strontium ranelate. Nanotechnology Reviews, 2022, 11, 1901-1910.	5.8	24
5	Gallic acid-grafted hybrid strontium fluoride/polycaprolactone nanocomposite fibers for bone regeneration. Progress in Organic Coatings, 2022, 170, 106976.	3.9	3
6	Nanocomposite pectin fibers incorporating folic acid-decorated carbon quantum dots. International Journal of Biological Macromolecules, 2022, 216, 605-617.	7.5	7
7	Enhanced osteogenesis of gelatin-halloysite nanocomposite scaffold mediated by loading strontium ranelate. International Journal of Polymeric Materials and Polymeric Biomaterials, 2021, 70, 392-402.	3.4	15
8	Capability of core-sheath polyvinyl alcoholâ€“polycaprolactone emulsion electrospun nanofibrous scaffolds in releasing strontium ranelate for bone regeneration. Biomedical Materials (Bristol), 2021, 16, 025009.	3.3	13
9	Electrospun pectin/modified copper-based metalâ€“organic framework (MOF) nanofibers as a drug delivery system. International Journal of Biological Macromolecules, 2021, 173, 351-365.	7.5	67
10	Immobilization of bromelain and ZnO nanoparticles on silk fibroin nanofibers as an antibacterial and anti-inflammatory burn dressing. International Journal of Pharmaceutics, 2021, 610, 121227.	5.2	22
11	Electrospun zein/graphene oxide nanosheet composite nanofibers with controlled drug release as antibacterial wound dressing. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 173-185.	3.4	58
12	HHC-36 antimicrobial peptide loading on silk fibroin (SF)/hydroxyapatite (HA) nanofibrous-coated titanium for the enhancement of osteoblast and bactericidal functions. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 629-639.	3.4	30
13	Carboxymethyl cellulose-human hair keratin hydrogel with controlled clindamycin release as antibacterial wound dressing. International Journal of Biological Macromolecules, 2020, 147, 1239-1247.	7.5	100
14	Silk based scaffolds with immunomodulatory capacity: anti-inflammatory effects of nicotinic acid. Biomaterials Science, 2020, 8, 148-162.	5.4	18
15	Effect of SrR delivery in the biomarkers of bone regeneration during the in vitro degradation of HNT/GN coatings prepared by EPD. Colloids and Surfaces B: Biointerfaces, 2020, 190, 110944.	5.0	23
16	Design, fabrication, and optimization of a dual function three-layer scaffold for controlled release of metformin hydrochloride to alleviate fibrosis and accelerate wound healing. Acta Biomaterialia, 2020, 113, 144-163.	8.3	43
17	Silk fibroin/sericin 3D sponges: The effect of sericin on structural and biological properties of fibroin. International Journal of Biological Macromolecules, 2020, 153, 317-326.	7.5	39
18	Physicochemical and Antibacterial Characterization of Nanofibrous Wound Dressing from Silk Fibroin-polyvinyl Alcohol- Elaeagnus Angustifolia Extract. Fibers and Polymers, 2020, 21, 456-464.	2.1	22

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19	Chitosan-PVA-CNT nanofibers as electrically conductive scaffolds for cardiovascular tissue engineering. International Journal of Biological Macromolecules, 2019, 140, 278-287.	7.5	127
20	Hyaluronic acid/ carboxylated Zeolitic Imidazolate Framework film with improved mechanical and antibacterial properties. Carbohydrate Polymers, 2019, 222, 115033.	10.2	51
21	Polyvinylidene fluorideâ€“Hyaluronic acid wound dressing comprised of ionic liquids for controlled drug delivery and dual therapeutic behavior. Acta Biomaterialia, 2019, 100, 142-157.	8.3	45
22	Electrospun core-sheath poly(vinyl alcohol)/silk fibroin nanofibers with Rosuvastatin release functionality for enhancing osteogenesis of human adipose-derived stem cells. Materials Science and Engineering C, 2019, 99, 129-139.	7.3	45
23	An investigation into osteogenic differentiation effects of silk fibroin-nettle (Urtica dioica L.) nanofibers. International Journal of Biological Macromolecules, 2019, 133, 795-803.	7.5	26
24	Poly (sodium 4-styrene sulfonate)-modified hydroxyapatite nanoparticles in zein-based scaffold as a drug carrier for vancomycin. Materials Science and Engineering C, 2019, 100, 874-885.	7.3	28
25	<i>In vitro</i> comparative investigation of bioactivity and biocompatibility behavior of titanium nano-composites fabricated by friction stir processing. Materials Research Express, 2019, 6, 125425.	1.6	1
26	Comparative study of the properties of sericin-gelatin nanofibrous wound dressing containing halloysite nanotubes loaded with zinc and copper ions. International Journal of Polymeric Materials and Polymeric Biomaterials, 2019, 68, 1142-1153.	3.4	26
27	Osteogenic potential of Rosuvastatin immobilized on silk fibroin nanofibers using argon plasma treatment. Biomedical Materials (Bristol), 2019, 14, 025002.	3.3	14
28	Starch nanoparticle as a vitamin E-TPGS carrier loaded in silk fibroin-poly(vinyl alcohol)-Aloe vera nanofibrous dressing. Colloids and Surfaces B: Biointerfaces, 2018, 166, 9-16.	5.0	78
29	Bioactive composite scaffolds of carboxymethyl chitosan-silk fibroin containing chitosan nanoparticles for sustained release of ascorbic acid. European Polymer Journal, 2018, 103, 40-50.	5.4	27
30	The antibacterial and anti-inflammatory investigation of Lawsonia Inermis-gelatin-starch nano-fibrous dressing in burn wound. International Journal of Biological Macromolecules, 2018, 107, 2008-2019.	7.5	144
31	Biocompatibility and bioactivity behaviour of coelectrospun silk fibroinâ€hydroxyapatite nanofibres using formic acid. Micro and Nano Letters, 2018, 13, 709-713.	1.3	4
32	Enhanced cellular response elicited by addition of amniotic fluid to alginate hydrogel-electrospun silk fibroin fibers for potential wound dressing application. Colloids and Surfaces B: Biointerfaces, 2018, 172, 82-89.	5.0	72
33	Synthesis of poly(Îµ-caprolactone)-based polyurethane semi-interpenetrating polymer networks as scaffolds for skin tissue regeneration. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 805-811.	3.4	31
34	Silk fibroin/kappa-carrageenan composite scaffolds with enhanced biomimetic mineralization for bone regeneration applications. Materials Science and Engineering C, 2017, 76, 951-958.	7.3	60
35	Novel chitosan-sulfonated chitosan-polycaprolactone-calcium phosphate nanocomposite scaffold. Carbohydrate Polymers, 2017, 157, 695-703.	10.2	63
36	How direct electrospinning in methanol bath affects the physicoâ€chemical and biological properties of silk fibroin nanofibrous scaffolds. Micro and Nano Letters, 2016, 11, 514-517.	1.3	17

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37	Fabrication and characterization of carboxylated starch-chitosan bioactive scaffold for bone regeneration. International Journal of Biological Macromolecules, 2016, 93, 1069-1078.	7.5	49
38	Biomimetic apatite layer formation on a novel citrate starch scaffold suitable for bone tissue engineering applications. Starch/Staerke, 2016, 68, 1275-1281.	2.1	11
39	Preparation, characterization, and silanization of 3D microporous PDMS structure with properly sized pores for endothelial cell culture. Biotechnology and Applied Biochemistry, 2016, 63, 190-199.	3.1	42
40	Preparation and characterization of bioactive composite scaffolds from polycaprolactone nanofibers-chitosan-oxidized starch for bone regeneration. Carbohydrate Polymers, 2016, 138, 172-179.	10.2	49
41	Composite of porous starch-silk fibroin nanofiber-calcium phosphate for bone regeneration. Ceramics International, 2015, 41, 10745-10754.	4.8	78
42	Fabrication and characterization of electrospun poly- L -lactide/gelatin graded tubular scaffolds: Toward a new design for performance enhancement in vascular tissue engineering. Progress in Natural Science: Materials International, 2015, 25, 405-413.	4.4	31
43	In vitro bioactivity of novel cured ionomer cement based on iron oxide. Ceramics International, 2010, 36, 1645-1651.	4.8	13
44	Bone-like apatite layer formation on the new resin-modified glass-ionomer cement. Journal of Materials Science: Materials in Medicine, 2008, 19, 3507-3514.	3.6	23
45	Dissolution behavior and fluoride release from new glass composition used in glass ionomer cements. Ceramics International, 2007, 33, 557-561.	4.8	5