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	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
2	Chitosan-PVA-CNT nanofibers as electrically conductive scaffolds for cardiovascular tissue engineering. International Journal of Biological Macromolecules, 2019, 140, 278-287.	7.5	127
3	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
4	Composite of porous starch-silk fibroin nanofiber-calcium phosphate for bone regeneration. Ceramics International, 2015, 41, 10745-10754.	4.8	78
5	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
6	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
7	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
8	Novel chitosan-sulfonated chitosan-polycaprolactone-calcium phosphate nanocomposite scaffold. Carbohydrate Polymers, 2017, 157, 695-703.	10.2	63
9	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
10	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
11	Hyaluronic acid/ carboxylated Zeolitic Imidazolate Framework film with improved mechanical and antibacterial properties. Carbohydrate Polymers, 2019, 222, 115033.	10.2	51
12	Fabrication and characterization of carboxylated starch-chitosan bioactive scaffold for bone regeneration. International Journal of Biological Macromolecules, 2016, 93, 1069-1078.	7.5	49
13	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
14	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
15	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
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	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
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	Osteogenesis capability of three-dimensionally printed poly(lactic acid)-halloysite nanotube scaffolds containing strontium ranelate. Nanotechnology Reviews, 2022, 11, 1901-1910.	5.8	24
27	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
28	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
29	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
30	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
31	Silk based scaffolds with immunomodulatory capacity: anti-inflammatory effects of nicotinic acid. Biomaterials Science, 2020, 8, 148-162.	5.4	18
32	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
33	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
34	Osteogenic potential of Rosuvastatin immobilized on silk fibroin nanofibers using argon plasma treatment. Biomedical Materials (Bristol), 2019, 14, 025002.	3.3	14
35	In vitro bioactivity of novel cured ionomer cement based on iron oxide. Ceramics International, 2010, 36, 1645-1651.	4.8	13
36	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

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37	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
38	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
39	Nanocomposite pectin fibers incorporating folic acid-decorated carbon quantum dots. International Journal of Biological Macromolecules, 2022, 216, 605-617.	7.5	7
40	Dissolution behavior and fluoride release from new glass composition used in glass ionomer cements. Ceramics International, 2007, 33, 557-561.	4.8	5
41	Biocompatibility and bioactivity behaviour of coelectrospun silk fibroinâ€hydroxyapatite nanofibres using formic acid. Micro and Nano Letters, 2018, 13, 709-713.	1.3	4
42	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
43	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
44	Gallic acid-grafted hybrid strontium fluoride/polycaprolactone nanocomposite fibers for bone regeneration. Progress in Organic Coatings, 2022, 170, 106976.	3.9	3
45	<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