

Payam Zahedi

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.

53 papers	1,493 citations	19 h-index	38 g-index
55 ext. papers	1,775 ext. citations	3.6 avg, IF	4.94 L-index

#	Paper	IF	Citations
53	A Novel Approach for Development of Intraocular Biodegradable Ranibizumab Implant: A Solution for Stability of Protein Activity. <i>Advanced Pharmaceutical Bulletin</i> , 2021 , 11, 632-642	4.5	0
52	Development of microfluidic-based cellulose acetate phthalate nanoparticles containing omeprazole for antiulcer activity: In vitro and in vivo evaluations. <i>European Polymer Journal</i> , 2021 , 147, 110294	5.2	1
51	Effect of Si/Al Ratio in the Faujasite Structure on Adsorption of Methane and Nitrogen: A Molecular Dynamics Study. <i>Chemical Engineering and Technology</i> , 2021 , 44, 1221-1226	2	2
50	Microfluidic-based synthesized carboxymethyl chitosan nanoparticles containing metformin for diabetes therapy: In vitro and in vivo assessments. <i>Carbohydrate Polymers</i> , 2021 , 261, 117889	10.3	5
49	Hydrophilic modification and cross-linking of polystyrene using the synthesized N,N'-(hexane-1,6-diyl)diacrylamide. <i>Polymer Bulletin</i> , 2021 , 78, 1379-1391	2.4	
48	5-Fluorouracil-loaded poly(vinyl alcohol)/chitosan blend nanofibers: morphology, drug release and cell culture studies. <i>Iranian Polymer Journal (English Edition)</i> , 2021 , 30, 167-177	2.3	6
47	Osteogenesis enhancement using poly (l-lactide-co-d, l-lactide)/poly (vinyl alcohol) nanofibrous scaffolds reinforced by phospho-calcified cellulose nanowhiskers. <i>International Journal of Biological Macromolecules</i> , 2021 , 182, 168-178	7.9	4
46	Ovarian Cell Encapsulation in an Enzymatically Crosslinked Silk-Based Hydrogel with Tunable Mechanical Properties. <i>Gels</i> , 2021 , 7,	4.2	7
45	Conductive conduit based on electrospun poly (l-lactide-co-D, l-lactide) nanofibers containing 4-aminopyridine-loaded molecularly imprinted poly (methacrylic acid) nanoparticles used for peripheral nerve regeneration. <i>International Journal of Biological Macromolecules</i> , 2021 , 190, 499-507	7.9	2
44	Microfluidic-assisted production of poly(e-caprolactone) and cellulose acetate nanoparticles: effects of polymers, surfactants, and flow rate ratios. <i>Polymer Bulletin</i> , 2020 , 78, 5449	2.4	5
43	Microfluidic-Assisted Preparation of 5-Fluorouracil-Loaded PLGA Nanoparticles as a Potential System for Colorectal Cancer Therapy. <i>Materials</i> , 2020 , 13,	3.5	6
42	Using FeO-coated nanofibers based on cellulose acetate/chitosan for adsorption of Cr(VI), Ni(II) and phenol from aqueous solutions. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 1132-1139	7.9	31
41	Antibacterial nanofibers based on poly(l-lactide--d, l-lactide) and poly(vinyl alcohol) used in wound dressings potentially: a comparison between hybrid and blend properties. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020 , 31, 219-243	3.5	14
40	Enhanced osteogenesis using poly (l-lactide-co-d, l-lactide)/poly (acrylic acid) nanofibrous scaffolds in presence of dexamethasone-loaded molecularly imprinted polymer nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 2363-2377	7.9	10
39	Microfluidic Fabrication of Nanoparticles Based on Ethyl Acrylate-Functionalized Chitosan for Adsorption of Methylene Blue from Aqueous Solutions. <i>Journal of Polymers and the Environment</i> , 2019 , 27, 1653-1665	4.5	13
38	Microfluidics combined with ionic gelation method for production of nanoparticles based on thiol-functionalized chitosan to adsorb Hg (II) from aqueous solutions. <i>Journal of Environmental Management</i> , 2019 , 238, 166-177	7.9	18
37	Expanded graphene oxide-supported molecularly imprinted polymer nanoparticles based on polystyrene for dibenzothiophene removal. <i>Journal of Sulfur Chemistry</i> , 2019 , 40, 539-553	2.3	3

36	Performance evaluation of poly (l-lactide-co-D, l-lactide)/poly (acrylic acid) blends and their nanofibers for tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 1008-1016	7.9	24
35	Optimization of electrospinning parameters for producing silk fibroin/poly(ethylene oxide) nanofibers using D-optimal method. <i>Journal of Natural Fibers</i> , 2019 , 16, 1113-1123	1.8	6
34	Isosorbide dinitrate template-based molecularly imprinted poly(methacrylic acid) nanoparticles: effect of initiator concentration on morphology and physicochemical properties. <i>Chemical Papers</i> , 2018 , 72, 3005-3016	1.9	4
33	Poly (methacrylic acid)-based molecularly imprinted polymer nanoparticles containing 5-fluorouracil used in colon cancer therapy potentially. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 2401-2409	3.2	12
32	Fabrication and characterization of electrospun laminin-functionalized silk fibroin/poly(ethylene oxide) nanofibrous scaffolds for peripheral nerve regeneration. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 1595-1604	3.5	40
31	Chitosan-based nanocomposite membranes with improved properties: Effect of cellulose acetate blending and TiO ₂ nanoparticles incorporation. <i>Polymer Composites</i> , 2018 , 39, 4452-4466	3	19
30	Cellulose acetate/poly(vinyl alcohol) hybrid fibrous mat containing tetracycline hydrochloride and phenytoin sodium: Morphology, drug release, antibacterial, and cell culture studies. <i>Journal of Bioactive and Compatible Polymers</i> , 2018 , 33, 597-611	2	12
29	Physical, morphological, and biological studies on PLA/nHA composite nanofibrous webs containing Equisetum arvense herbal extract for bone tissue engineering. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45343	2.9	29
28	Microfluidic-aided fabrication of nanoparticles blend based on chitosan for a transdermal multidrug delivery application. <i>International Journal of Biological Macromolecules</i> , 2017 , 99, 433-442	7.9	24
27	Synthesis of poly(2-hydroxyethyl methacrylate)-based molecularly imprinted polymer nanoparticles containing timolol maleate: morphological, thermal, and drug release along with cell biocompatibility studies. <i>Polymers for Advanced Technologies</i> , 2017 , 28, 828-841	3.2	12
26	On-Chip Preparation of Streptokinase Entrapped in Chitosan Nanoparticles Used in Thrombolytic Therapy Potentially. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 3623-3630	3.9	9
25	Fabrication of random and aligned-oriented cellulose acetate nanofibers containing betamethasone sodium phosphate: structural and cell biocompatibility evaluations. <i>Journal of Polymer Engineering</i> , 2017 , 37, 911-920	1.4	4
24	Morphological, thermal and drug release studies of poly (methacrylic acid)-based molecularly imprinted polymer nanoparticles immobilized in electrospun poly (ε-caprolactone) nanofibers as dexamethasone delivery system. <i>Korean Journal of Chemical Engineering</i> , 2017 , 34, 2110-2118	2.8	14
23	Acrylamide-plasma treated electrospun polystyrene nanofibrous adsorbents for cadmium and nickel ions removal from aqueous solutions. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	15
22	Electrospun poly (N-isopropylacrylamide-co-acrylic acid)/cellulose laurate blend nanofibers containing adapalene: Morphology, drug release, and cell culture studies. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016 , 65, 477-486	3	10
21	Synthesis and characterization of poly(methacrylic acid)-based molecularly imprinted polymer nanoparticles for controlled release of trinitroglycerin. <i>Polymers for Advanced Technologies</i> , 2016 , 27, 1164-1171	3.2	16
20	Three-layered electrospun PVA/PCL/PVA nanofibrous mats containing tetracycline hydrochloride and phenytoin sodium: A case study on sustained control release, antibacterial, and cell culture properties. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	14
19	Biomacromolecule template-based molecularly imprinted polymers with an emphasis on their synthesis strategies: a review. <i>Polymers for Advanced Technologies</i> , 2016 , 27, 1124-1142	3.2	44

18	Electrospun egg albumin-PVA nanofibers containing tetracycline hydrochloride: Morphological, drug release, antibacterial, thermal and mechanical properties. <i>Fibers and Polymers</i> , 2015 , 16, 2184-2192 ²		26
17	Drug release, cell adhesion and wound healing evaluations of electrospun carboxymethyl chitosan/polyethylene oxide nanofibres containing phenytoin sodium and vitamin C. <i>IET Nanobiotechnology</i> , 2015 , 9, 191-200	2	43
16	Morphology, drug release, antibacterial, cell proliferation, and histology studies of chamomile-loaded wound dressing mats based on electrospun nanofibrous poly(e-caprolactone)/polystyrene blends. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014 , 102, 977-87	3.5	76
15	Preparation and release properties of electrospun poly(vinyl alcohol)/poly(e-caprolactone) hybrid nanofibers: Optimization of process parameters via D-optimal design method. <i>Macromolecular Research</i> , 2013 , 21, 649-659	1.9	28
14	In vitro and in vivo evaluations of phenytoin sodium-loaded electrospun PVA, PCL, and their hybrid nanofibrous mats for use as active wound dressings. <i>Journal of Materials Science</i> , 2013 , 48, 3147-3159	4.3	30
13	Preparation and performance evaluations of electrospun poly(ε-caprolactone), poly(lactic acid), and their hybrid (50/50) nanofibrous mats containing thymol as an herbal drug for effective wound healing. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 756-766	2.9	124
12	Preparation and performance evaluation of tetracycline hydrochloride loaded wound dressing mats based on electrospun nanofibrous poly(lactic acid)/poly(ε-caprolactone) blends. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 4174-4183	2.9	105
11	Rubber Adhesion to Different Substrates and Its Importance in Industrial Applications: A Review. <i>Journal of Adhesion Science and Technology</i> , 2012 , 26, 721-744	2	27
10	Effects of BaSO ₄ , CaCO ₃ , kaolin and quartz fillers on mechanical, chemical and morphological properties of cast polyurethane. <i>Plastics, Rubber and Composites</i> , 2012 , 41, 263-269	1.5	8
9	Optimized formulation of an oxidative curing system for liquid polysulfide sealants used in fuel tanks by D-optimal design method. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 2550-2562	2.9	5
8	A review on wound dressings with an emphasis on electrospun nanofibrous polymeric bandages. <i>Polymers for Advanced Technologies</i> , 2010 , 21, 77-95	3.2	501
7	Comparison between mechanical properties of aged and unaged silicone rubbers filled with titanium dioxide, quartz, aluminium silicate and vulkasil (s type). <i>Plastics, Rubber and Composites</i> , 2009 , 38, 257-263	1.5	3
6	Formulation and curing characteristics of EPDM/NR and EPDM/SBR polyblends used in metallic surfaces rubber lining. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 849-854	2.9	7
5	Improvements of physical and mechanical properties of electron beam irradiation-crosslinked EVA foams. <i>Polymers for Advanced Technologies</i> , 2009 , 20, 487-492	3.2	19
4	An investigation on the rheology, morphology, thermal and mechanical properties of recycled poly (ethylene terephthalate) reinforced with modified short glass fibers. <i>Polymer Composites</i> , 2009 , 30, 993-999	3	20
3	Blends of poly(ethylene terephthalate)/polycarbonate by the use of lanthanum acetyl acetate catalyst. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 2917-2922	2.9	11
2	PET/imidazolium-based OMMT nanocomposites via in situ polymerization: Morphological, thermal, and nonisothermal crystallization studies. <i>Advances in Polymer Technology</i> , 2007 , 26, 247-257	1.9	23
1	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

