

# Hamid Mirzadeh

## List of Publications by Citations

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143  
papers

5,086  
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41  
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149  
ext. papers

5,737  
ext. citations

4.3  
avg, IF

6.02  
L-index

#	Paper	IF	Citations
143	Modification of polysiloxane polymers for biomedical applications: a review. <i>Polymer International</i> , <b>2001</b> , 50, 1279-1287	3.3	401
142	A review of key challenges of electrospun scaffolds for tissue-engineering applications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2016</b> , 10, 715-38	4.4	310
141	Wettability of porous polydimethylsiloxane surface: morphology study. <i>Applied Surface Science</i> , <b>2005</b> , 242, 339-345	6.7	218
140	Characterization of polyethersulfone hemodialysis membrane by ultrafiltration and atomic force microscopy. <i>Journal of Membrane Science</i> , <b>2004</b> , 237, 77-85	9.6	139
139	Synthesis and characterization of nano-hydroxyapatite rods/poly(L-lactide acid) composite scaffolds for bone tissue engineering. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2008</b> , 39, 1589-1596	8.4	134
138	Electrospinning, mechanical properties, and cell behavior study of chitosan/PVA nanofibers. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2015</b> , 103, 3081-93	5.4	129
137	In vitro blood compatibility of modified PDMS surfaces as superhydrophobic and superhydrophilic materials. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 91, 2042-2047	2.9	101
136	Nanoclay-reinforced electrospun chitosan/PVA nanocomposite nanofibers for biomedical applications. <i>RSC Advances</i> , <b>2015</b> , 5, 10479-10487	3.7	99
135	Chitosan/polyethylene glycol fumarate blend film: physical and antibacterial properties. <i>Carbohydrate Polymers</i> , <b>2013</b> , 92, 48-56	10.3	94
134	Fabrication and study of curcumin loaded nanoparticles based on folate-chitosan for breast cancer therapy application. <i>Carbohydrate Polymers</i> , <b>2017</b> , 168, 14-21	10.3	90
133	An investigation on the short-term biodegradability of chitosan with various molecular weights and degrees of deacetylation. <i>Carbohydrate Polymers</i> , <b>2009</b> , 78, 773-778	10.3	90
132	Alginate Based Scaffolds for Cartilage Tissue Engineering: A Review. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2020</b> , 69, 230-247	3	81
131	Electrospun nanofibers comprising of silk fibroin/gelatin for drug delivery applications: Thyme essential oil and doxycycline monohydrate release study. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2018</b> , 106, 1092-1103	5.4	77
130	Effect of polyvinylpyrrolidone on morphology and performance of hemodialysis membranes prepared from polyether sulfone. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 3804-3813	2.9	75
129	Effect of electrospinning parameters on morphological properties of PVDF nanofibrous scaffolds. <i>Progress in Biomaterials</i> , <b>2017</b> , 6, 113-123	4.4	68
128	Solvent-, ion- and pH-specific swelling of poly(2-acrylamido-2-methylpropane sulfonic acid) superabsorbing gels. <i>Journal of Polymer Research</i> , <b>2010</b> , 17, 203-212	2.7	65
127	Designing and fabrication of curcumin loaded PCL/PVA multi-layer nanofibrous electrospun structures as active wound dressing. <i>Progress in Biomaterials</i> , <b>2017</b> , 6, 39-48	4.4	63

126	Cell attachment to laser-induced AAm- and HEMA-grafted ethylene-propylene rubber as biomaterial: in vivo study. <i>Biomaterials</i> , <b>1995</b> , 16, 641-8	15.6	61
125	Microfluidic self-assembly of polymeric nanoparticles with tunable compactness for controlled drug delivery. <i>Polymer</i> , <b>2013</b> , 54, 4972-4979	3.9	60
124	Graphene oxide containing chitosan scaffolds for cartilage tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 127, 396-405	7.9	58
123	Investigation of gelation mechanism of an injectable hydrogel based on chitosan by rheological measurements for a drug delivery application. <i>Soft Matter</i> , <b>2012</b> , 8, 7128	3.6	57
122	Differentiation of Wharton's Jelly-Derived Mesenchymal Stem Cells into Motor Neuron-Like Cells on Three-Dimensional Collagen-Grafted Nanofibers. <i>Molecular Neurobiology</i> , <b>2016</b> , 53, 2397-408	6.2	55
121	Effect of surface charge and hydrophobicity of polyurethanes and silicone rubbers on L929 cells response. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2006</b> , 51, 112-9	6	55
120	Dexamethasone eluting cochlear implant: Histological study in animal model. <i>Cochlear Implants International</i> , <b>2013</b> , 14, 45-50	1.7	54
119	A review on nanocomposite hydrogels and their biomedical applications. <i>Science and Engineering of Composite Materials</i> , <b>2019</b> , 26, 154-174	1.5	54
118	In Situ Forming, Cytocompatible, and Self-Recoverable Tough Hydrogels Based on Dual Ionic and Click Cross-Linked Alginate. <i>Biomacromolecules</i> , <b>2018</b> , 19, 1646-1662	6.9	52
117	Bone differentiation of marrow-derived mesenchymal stem cells using beta-tricalcium phosphate-alginate-gelatin hybrid scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2007</b> , 1, 417-24	4.4	51
116	Gelatin-GAG electrospun nanofibrous scaffold for skin tissue engineering: fabrication and modeling of process parameters. <i>Materials Science and Engineering C</i> , <b>2015</b> , 48, 704-12	8.3	50
115	Enhanced cellular response elicited by addition of amniotic fluid to alginate hydrogel-electrospun silk fibroin fibers for potential wound dressing application. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 172, 82-89	6	50
114	Cell-loaded gelatin/chitosan scaffolds fabricated by salt-leaching/lyophilization for skin tissue engineering: in vitro and in vivo study. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2014</b> , 102, 3908-17	5.4	49
113	Chitosan-modified nanoclay/poly(AMPS) nanocomposite hydrogels with improved gel strength. <i>Polymer International</i> , <b>2009</b> , 58, 1252-1259	3.3	48
112	Biomimetic modified clinical-grade POSS-PCU nanocomposite polymer for bypass graft applications: a preliminary assessment of endothelial cell adhesion and haemocompatibility. <i>Materials Science and Engineering C</i> , <b>2015</b> , 46, 400-8	8.3	45
111	Simultaneous graft copolymerization of 2-hydroxyethyl methacrylate and acrylic acid onto polydimethylsiloxane surfaces using a two-step plasma treatment. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 105, 2208-2217	2.9	45
110	Hydrophilic interpenetrating polymer networks of poly(dimethyl siloxane) (PDMS) as biomaterial for cochlear implants. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2006</b> , 17, 341-55	3.5	45
109	Bulk and surface modification of silicone rubber for biomedical applications. <i>Polymer International</i> , <b>2002</b> , 51, 882-888	3.3	45

108	Cell behavior on laser surface-modified polyethylene terephthalate in vitro. <i>Journal of Biomedical Materials Research Part B</i> , <b>2001</b> , 57, 183-9		45
107	Injectable in situ forming drug delivery system based on poly(epsilon-caprolactone fumarate) for tamoxifen citrate delivery: Gelation characteristics, in vitro drug release and anti-cancer evaluation. <i>Acta Biomaterialia</i> , <b>2009</b> , 5, 1966-78	10.8	44
106	Application of plasma surface modification techniques to improve hemocompatibility of vascular grafts: A review. <i>Biotechnology and Applied Biochemistry</i> , <b>2011</b> , 58, 311-27	2.8	43
105	Physical, mechanical, and biocompatibility evaluation of three different types of silicone rubber. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 88, 2522-2529	2.9	42
104	Microfluidic-assisted self-assembly of complex dendritic polyethylene drug delivery nanocapsules. <i>Advanced Materials</i> , <b>2014</b> , 26, 3118-23	24	41
103	Particle size design of PLGA microspheres for potential pulmonary drug delivery using response surface methodology. <i>Journal of Microencapsulation</i> , <b>2009</b> , 26, 1-8	3.4	41
102	Sequential interpenetrating polymer networks of poly(2-hydroxyethyl methacrylate) and polydimethylsiloxane. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 85, 1825-1831	2.9	41
101	Novel chitosan-based nanobiohybrid membranes for wound dressing applications. <i>RSC Advances</i> , <b>2016</b> , 6, 7701-7711	3.7	39
100	Undesirable effects of heating on hydrogels. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 110, 3420-3430	2.9	39
99	Piezoelectric electrospun nanocomposite comprising Au NPs/PVDF for nerve tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2017</b> , 105, 1984-1993	5.4	36
98	Fabrication and characterization of hydrothermal cross-linked chitosan porous scaffolds for cartilage tissue engineering applications. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 532-542	8.3	35
97	Surface modification of POSS-nanocomposite biomaterials using reactive oxygen plasma treatment for cardiovascular surgical implant applications. <i>Biotechnology and Applied Biochemistry</i> , <b>2011</b> , 58, 147-61	2.8	35
96	Fabrication of cancellous biomimetic chitosan-based nanocomposite scaffolds applying a combinational method for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2015</b> , 103, 1882-92	5.4	32
95	Gelatin/chondroitin sulfate nanofibrous scaffolds for stimulation of wound healing: In-vitro and in-vivo study. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2017</b> , 105, 2020-2034	5.4	32
94	In vitro studies of platelet adhesion on laser-treated polyethylene terephthalate surface. <i>Journal of Biomedical Materials Research Part B</i> , <b>2001</b> , 54, 540-6		32
93	Fabrication of gelatin/chitosan nanofibrous scaffold: process optimization and empirical modeling. <i>Polymer International</i> , <b>2015</b> , 64, 571-580	3.3	31
92	Biological and mechanical properties of novel composites based on supramolecular polycaprolactone and functionalized hydroxyapatite. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 95, 209-21	5.4	31
91	Biocompatibility evaluation of nano-rod hydroxyapatite/gelatin coated with nano-HAp as a novel scaffold using mesenchymal stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 92, 1244-54	5.4	30

90	Synthesis, photocrosslinking characteristics, and biocompatibility evaluation of N-vinyl pyrrolidone/polycaprolactone fumarate biomaterials using a new proton scavenger. <i>Polymers for Advanced Technologies</i> , <b>2008</b> , 19, 1828-1838	3.2	30
89	Photopolymerization and shrinkage kinetics of in situ crosslinkable N-vinyl-pyrrolidone/poly(epsilon-caprolactone fumarate) networks. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2008</b> , 84, 545-56	5.4	30
88	Laser surface modification of silicone rubber to reduce platelet adhesion in vitro. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2004</b> , 15, 59-72	3.5	30
87	Combinational drug delivery using nanocarriers for breast cancer treatments: A review. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2018</b> , 106, 2272-2283	5.4	28
86	Novel class of collector in electrospinning device for the fabrication of 3D nanofibrous structure for large defect load-bearing tissue engineering application. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2017</b> , 105, 1535-1548	5.4	28
85	Corticosteroid-releasing cochlear implant: a novel hybrid of biomaterial and drug delivery system. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2010</b> , 94, 388-98	3.5	28
84	Effect of self-complementary motifs on phase compatibility and material properties in blends of supramolecular polymers. <i>Polymer</i> , <b>2010</b> , 51, 6303-6312	3.9	27
83	Early stages of gelation in gelatin solution detected by dynamic oscillating rheology and nuclear magnetic spectroscopy. <i>European Polymer Journal</i> , <b>2007</b> , 43, 1480-1486	5.2	27
82	Synthesis and preparation of biodegradable and visible light crosslinkable unsaturated fumarate-based networks for biomedical applications. <i>Polymers for Advanced Technologies</i> , <b>2008</b> , 19, 1199-1208	3.2	27
81	BHK cells behaviour on laser treated polydimethylsiloxane surface. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2004</b> , 35, 67-71	6	27
80	Properties of poly(dimethylsiloxane)/hydrogel multicomponent systems. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2003</b> , 41, 2145-2156	2.6	27
79	Electrospun silk-based nanofibrous scaffolds: fiber diameter and oxygen transfer. <i>Progress in Biomaterials</i> , <b>2016</b> , 5, 71-80	4.4	26
78	Isocyanate-terminated urethane prepolymer as bioadhesive base material: synthesis and characterization. <i>International Journal of Adhesion and Adhesives</i> , <b>2000</b> , 20, 299-304	3.4	26
77	Hydroxyapatite scaffolds infiltrated with thermally crosslinked polycaprolactone fumarate and polycaprolactone itaconate. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2011</b> , 98, 257-67	5.4	25
76	Platelet adhesion on laser-induced acrylic acid-grafted polyethylene terephthalate. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 86, 3191-3196	2.9	25
75	Effect of silicon rubber crosslink density on fibroblast cell behavior in vitro. <i>Journal of Biomedical Materials Research Part B</i> , <b>2003</b> , 67, 727-32		25
74	Fabrication of a Nanofibrous Scaffold for the In Vitro Culture of Cardiac Progenitor Cells for Myocardial Regeneration. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2014</b> , 63, 229-239	3	24
73	Fabrication of a porous wall and higher interconnectivity scaffold comprising gelatin/chitosan via combination of salt-leaching and lyophilization methods. <i>Iranian Polymer Journal (English Edition)</i> , <b>2012</b> , 21, 191-200	2.3	24

72	Particle size modeling and morphology study of chitosan/gelatin/nanohydroxyapatite nanocomposite microspheres for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2013</b> , 101, 1758-67	5.4	23
71	Comparison of viscoelastic properties of polydimethylsiloxane/poly(2-hydroxyethyl methacrylate) IPNs with their physical blends. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 86, 3480-3485	2.9	22
70	Jute reinforced polyester structures. <i>Polymer Composites</i> , <b>1984</b> , 5, 141-142	3	22
69	Bioadhesion and biocompatibility evaluations of gelatin and polyacrylic acid as a crosslinked hydrogel in vitro. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2004</b> , 15, 1019-31	3.5	21
68	Type I collagen gel in seeding medium improves murine mesenchymal stem cell loading onto the scaffold, increases their subsequent proliferation, and enhances culture mineralization. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2009</b> , 90, 659-67	3.5	20
67	Induction of human umbilical Wharton's jelly-derived mesenchymal stem cells toward motor neuron-like cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2015</b> , 51, 987-94	2.6	19
66	Differentiation of embryonic stem cells into neural cells on 3D poly (D, L-lactic acid) scaffolds versus 2D cultures. <i>International Journal of Artificial Organs</i> , <b>2011</b> , 34, 1012-23	1.9	19
65	Synthesis, characterization, and biocompatibility of novel injectable, biodegradable, and in situ crosslinkable polycarbonate-based macromers. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 90, 830-43	5.4	19
64	Adhesion between modified and unmodified poly(dimethylsiloxane) layers for a biomedical application. <i>International Journal of Adhesion and Adhesives</i> , <b>2004</b> , 24, 247-257	3.4	19
63	Collagen-immobilized patch for repairing small tympanic membrane perforations: in vitro and in vivo assays. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2012</b> , 100, 549-53	5.4	18
62	Thermoresponsive biopolymer hydrogels with tunable gel characteristics. <i>RSC Advances</i> , <b>2014</b> , 4, 39386-39393	3.7	17
61	Investigation of Plasma Treatment on Poly(3-hydroxybutyrate) Film Surface: Characterization and In Vitro Assay. <i>Polymer-Plastics Technology and Engineering</i> , <b>2012</b> , 51, 1319-1326		17
60	Ultra high molecular weight polyethylene and polydimethylsiloxane blend as acetabular cup material. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2005</b> , 41, 169-74	6	17
59	Surface modification of polyethylene terephthalate film by CO <sub>2</sub> laser-induced graft copolymerization of acrylamide. <i>Journal of Applied Polymer Science</i> , <b>2000</b> , 76, 401-407	2.9	17
58	Polyvinyl alcohol/soy protein isolate nanofibrous patch for wound-healing applications. <i>Progress in Biomaterials</i> , <b>2019</b> , 8, 185-196	4.4	16
57	Artificial neural networks for bilateral prediction of formulation parameters and drug release profiles from cochlear implant coatings fabricated as porous monolithic devices based on silicone rubber. <i>Journal of Pharmacy and Pharmacology</i> , <b>2014</b> , 66, 624-38	4.8	16
56	Miscibility and tack of blends of poly (vinylpyrrolidone)/acrylic pressure-sensitive adhesive. <i>International Journal of Adhesion and Adhesives</i> , <b>2009</b> , 29, 302-308	3.4	16
55	Novel 3D scaffold with enhanced physical and cell response properties for bone tissue regeneration, fabricated by patterned electrospinning/electrospraying. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2016</b> , 27, 143	4.5	15



54	Rheological Study and Molecular Dynamics Simulation of Biopolymer Blend Thermogels of Tunable Strength. <i>Biomacromolecules</i> , <b>2016</b> , 17, 3474-3484	6.9	15
53	Novel materials to enhance corneal epithelial cell migration on keratoprosthesis. <i>British Journal of Ophthalmology</i> , <b>2011</b> , 95, 405-9	5.5	15
52	Isocyanate-terminated urethane prepolymer as bioadhesive material: evaluation of bioadhesion and biocompatibility, in vitro and in vivo assays. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2001</b> , 12, 707-19	3.5	15
51	In situ forming PLGA implant for 90 days controlled release of leuprolide acetate for treatment of prostate cancer. <i>Polymers for Advanced Technologies</i> , <b>2017</b> , 28, 867-875	3.2	14
50	Comparison of the Application of Allogeneic Fibroblast and Autologous Mesh Grafting With the Conventional Method in the Treatment of Third-Degree Burns. <i>Journal of Burn Care and Research</i> , <b>2016</b> , 37, e90-5	0.8	14
49	Dexamethasone-releasing cochlear implant coatings: application of artificial neural networks for modelling of formulation parameters and drug release profile. <i>Journal of Pharmacy and Pharmacology</i> , <b>2013</b> , 65, 1145-57	4.8	14
48	Comparison of fibroblast and nerve cells response on plasma treated poly (L-lactide) surface. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 112, 3429-3435	2.9	14
47	Physicochemical and biological evaluation of plasma-induced graft polymerization of acrylamide onto polydimethylsiloxane. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 107, 2343-2349	2.9	13
46	Effect of crosslinking procedure on structural, thermal, and functional performances of cellulosic nanofibers: A comparison between chemical and photochemical crosslinking. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133,	2.9	13
45	Roll-designed 3D nanofibrous scaffold suitable for the regeneration of load bearing bone defects. <i>Progress in Biomaterials</i> , <b>2016</b> , 5, 199-211	4.4	12
44	Development of a method for measuring and modeling the NH <sub>2</sub> content and crosslinking density of chitosan/gelatin/nanohydroxyapatite based microspheres. <i>Polymer Testing</i> , <b>2016</b> , 51, 20-28	4.5	12
43	Injectable scaffold as minimally invasive technique for cartilage tissue engineering: in vitro and in vivo preliminary study. <i>Progress in Biomaterials</i> , <b>2014</b> , 3, 143-151	4.4	12
42	Preparation, mechanical properties, and in vitro biocompatibility of novel nanocomposites based on polyhexamethylene carbonate fumarate and nanohydroxyapatite. <i>Polymers for Advanced Technologies</i> , <b>2011</b> , 22, 605-611	3.2	12
41	In Vitro Evaluation of Drug Solubility and Gamma Irradiation on the Release of Betamethasone under Simulated In Vivo Conditions. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2007</b> , 22, 443-459	2	12
40	Preparation and in vitro evaluation of a new fentanyl patch based on acrylic/silicone pressure-sensitive adhesive blends. <i>Drug Development and Industrial Pharmacy</i> , <b>2009</b> , 35, 487-98	3.6	11
39	Miscibility study of chitosan/polyethylene glycol fumarate blends in dilute solutions. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 3514-3521	2.9	10
38	Rationalization of specific structure formation in electrospinning process: Study on nano-fibrous PCL- and PLGA-based scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2015</b> , 103, 3927-39	5.4	10
37	Curing behavior of silicone elastomer in the presence of two corticosteroid drugs. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2012</b> , 100, 1636-44	3.5	10

36	Laser-modified nanostructures of PET films and cell behavior. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2011</b> , 98, 63-71	5.4	10
35	In vitro and in vivo hemocompatibility evaluation of graphite coated polyester vascular grafts. <i>International Journal of Artificial Organs</i> , <b>2004</b> , 27, 691-8	1.9	10
34	Biocompatibility evaluation of laser-induced AAm and HEMA grafted EPR. Part 1: In-vitro study. <i>Clinical Materials</i> , <b>1994</b> , 16, 177-87		10
33	Injectable drug loaded gelatin based scaffolds as minimally invasive approach for drug delivery system: CNC/PAMAM nanoparticles. <i>European Polymer Journal</i> , <b>2020</b> , 139, 109992	5.2	10
32	Improvement of the Electrospinnability of Silk Fibroin Solution by Atmospheric Pressure Plasma Treatment. <i>Fibers and Polymers</i> , <b>2019</b> , 20, 1594-1600	2	9
31	Interaction and miscibility study of fumarate-based macromers with chitosan. <i>Materials Chemistry and Physics</i> , <b>2013</b> , 139, 515-524	4.4	9
30	Polystyrene surface modification using excimer laser and radio-frequency plasma: blood compatibility evaluations. <i>Progress in Biomaterials</i> , <b>2012</b> , 1, 4	4.4	9
29	Simple and versatile method for the one-pot synthesis of segmented poly(urethane urea)s via in situ-formed AB-type macromonomers. <i>Polymer International</i> , <b>2011</b> , 60, 620-629	3.3	9
28	Influence of poly (lactide-co-glycolide) type and gamma irradiation on the betamethasone acetate release from the in situ forming systems. <i>Current Drug Delivery</i> , <b>2009</b> , 6, 184-91	3.2	9
27	3D in vitro cancerous tumor models: Using 3D printers. <i>Medical Hypotheses</i> , <b>2019</b> , 124, 91-94	3.8	9
26	Comparing supportive properties of poly lactic-co-glycolic acid (PLGA), PLGA/collagen and human amniotic membrane for human urothelial and smooth muscle cells engineering. <i>Urology Journal</i> , <b>2014</b> , 11, 1620-8	0.9	9
25	Chitosan/polyethylene glycol fumarate blend films for wound dressing application: in vitro biocompatibility and biodegradability assays. <i>Progress in Biomaterials</i> , <b>2018</b> , 7, 143-150	4.4	8
24	Chitosan-based biocompatible dressing for treatment of recalcitrant lesions of cutaneous leishmaniasis: A pilot clinical study. <i>Indian Journal of Dermatology, Venereology and Leprology</i> , <b>2019</b> , 85, 609-614	0.8	8
23	Potential Application of a Visible Light-Induced Photocured Hydrogel Film as a Wound Dressing Material. <i>Journal of Polymers</i> , <b>2015</b> , 2015, 1-10		7
22	Biodegradable mini plate and screw: a secure method for internal fixation of symphysis pubis in animal model of pubic diastasis. <i>Urology</i> , <b>2010</b> , 75, 676-81	1.6	7
21	The study of collagen immobilization on a novel nanocomposite to enhance cell adhesion and growth. <i>Iranian Biomedical Journal</i> , <b>2011</b> , 15, 6-14	2	7
20	On the analysis of microrheological responses of self-assembling RADA16-I peptide hydrogel. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2019</b> , 107, 330-338	5.4	7
19	Crosslinking strategies for silk fibroin hydrogels: promising biomedical materials. <i>Biomedical Materials (Bristol)</i> , <b>2021</b> , 16, 022004	3.5	7



18	Synthesis and temperature-induced self-assembly of a positively charged symmetrical pentablock terpolymer in aqueous solutions. <i>European Polymer Journal</i> , <b>2017</b> , 97, 158-168	5.2	6
17	HPTLC procedure for determination of levonorgestrel in the drug-release media of an in-situ-forming delivery system. <i>Journal of Planar Chromatography - Modern TLC</i> , <b>2005</b> , 18, 326-329	0.9	6
16	Long-term evaluation of laser-treated silicone (LTS) membrane as a pericardial substitute: in vivo study. <i>Journal of Long-Term Effects of Medical Implants</i> , <b>2005</b> , 15, 347-54	0.2	5
15	Fabrication of nanocomposite/nanofibrous functionally graded biomimetic scaffolds for osteochondral tissue regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2021</b> , 109, 1657-1689	5.4	4
14	A novel approach for repairing of intestinal fistula using chitosan hydrogel. <i>Journal of Biomaterials Applications</i> , <b>2010</b> , 24, 545-53	2.9	3
13	The effect of process parameters on the size and morphology of poly(D,L-lactide-co-glycolide) micro/nanoparticles prepared by an oil in oil emulsion/solvent evaporation technique. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 116, NA-NA	2.9	3
12	Investigation of drug release and 1H-NMR analysis of the in situ forming systems based on poly(lactide-co-glycolide). <i>Polymers for Advanced Technologies</i> , <b>2009</b> , 20, 48-57	3.2	3
11	Tunable viscoelastic features of aqueous mixtures of thermosensitive ethyl(hydroxyethyl)cellulose and cellulose nanowhiskers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 590, 124489	5.1	3
10	Mathematical modeling of electrospinning process of silk fibroin/gelatin nanofibrous mat: Comparison of the accuracy of GMDH and RSM models. <i>Journal of Industrial Textiles</i> , <b>2021</b> , 50, 1020-1039	1.6	3
9	Injectable and reversible preformed cryogels based on chemically crosslinked gelatin methacrylate (GelMA) and physically crosslinked hyaluronic acid (HA) for soft tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 203, 111725	6	3
8	The effect of electron beam irradiation on dynamic shear rheological behavior of a poly(propylene-co-ethylene) heterophasic copolymer. <i>Polymers for Advanced Technologies</i> , <b>2011</b> , 22, 2039-2043	3.3	2
7	Microstructure Manipulation of Polyurethane-Based Macromolecular Scaffold for Tendon/Ligament Tissue Engineering. <i>Macromolecular Materials and Engineering</i> , 2100584	3.9	2
6	Chitosan/gum tragacanth/PVA hybrid nanofibrous scaffold for tissue engineering applications. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , <b>2020</b> , 9, 16-23	1.3	2
5	Plasma graft polymerization of Acrylic Acid and immobilization of Heparin to improve blood compatibility of Polyethylene terephthalate (PET).. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1469, 137		1
4	Mechanical Characteristics of SPG-178 Hydrogels: Optimizing Viscoelastic Properties through Microrheology and Response Surface Methodology. <i>Iranian Biomedical Journal</i> , <b>2020</b> , 24, 110-8	2	0
3	PEGylated curcumin-loaded nanofibrous mats with controlled burst release through bead knot-on-spring design. <i>Progress in Biomaterials</i> , <b>2020</b> , 9, 175-185	4.4	0
2	Platelet-Rich Plasma Incorporated Nanostructures for Tissue Engineering Applications <b>2017</b> , 211-227		
1	In Situ Forming Hydrogels Based on Clickable Star-PEG for Biomedical Applications <b>2020</b> , 92-95		

