Hamid Mirzadeh

List of Publications by Year
in descending order

146 papers	6,481 citations	53660 45 h-index	79541 73 g-index
149 all docs	149 docs citations	149 times ranked	9020 citing authors

#	Article	IF	Citations
1	Modification of polysiloxane polymers for biomedical applications: a review. Polymer International, 2001, 50, 1279-1287.	1.6	443
2	A review of key challenges of electrospun scaffolds for tissue-engineering applications. Journal of Tissue Engineering and Regenerative Medicine, 2016, 10, 715-738.	1.3	395
3	Wettability of porous polydimethylsiloxane surface: morphology study. Applied Surface Science, 2005, 242, 339-345.	3.1	243
4	Electrospinning, mechanical properties, and cell behavior study of chitosan/<scp>PVA</scp> nanofibers. Journal of Biomedical Materials Research - Part A, 2015, 103, 3081-3093.	2.1	198
5	Characterization of polyethersulfone hemodialysis membrane by ultrafiltration and atomic force microscopy. Journal of Membrane Science, 2004, 237, 77-85.	4.1	160
6	Synthesis and characterization of nano-hydroxyapatite rods/poly(l-lactide acid) composite scaffolds for bone tissue engineering. Composites Part A: Applied Science and Manufacturing, 2008, 39, 1589-1596.	3.8	159
7	Alginate Based Scaffolds for Cartilage Tissue Engineering: A Review. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 230-247.	1.8	135
8	Nanoclay-reinforced electrospun chitosan/PVA nanocomposite nanofibers for biomedical applications. RSC Advances, 2015, 5, 10479-10487.	1.7	129
9	A review on nanocomposite hydrogels and their biomedical applications. Science and Engineering of Composite Materials, 2019, 26, 154-174.	0.6	124
10	Chitosan/polyethylene glycol fumarate blend film: Physical and antibacterial properties. Carbohydrate Polymers, 2013, 92, 48-56.	5.1	123
11	Fabrication and study of curcumin loaded nanoparticles based on folate-chitosan for breast cancer therapy application. Carbohydrate Polymers, 2017, 168, 14-21.	5.1	120
12	An investigation on the short-term biodegradability of chitosan with various molecular weights and degrees of deacetylation. Carbohydrate Polymers, 2009, 78, 773-778.	5.1	119
13	In vitro blood compatibility of modified PDMS surfaces as superhydrophobic and superhydrophilic materials. Journal of Applied Polymer Science, 2004, 91, 2042-2047.	1.3	115
14	Electrospun nanofibers comprising of silk fibroin/gelatin for drug delivery applications: Thyme essential oil and doxycycline monohydrate release study. Journal of Biomedical Materials Research - Part A, 2018, 106, 1092-1103.	2.1	113
15	Effect of electrospinning parameters on morphological properties of PVDF nanofibrous scaffolds. Progress in Biomaterials, 2017, 6, 113-123.	1.8	104
16	Graphene oxide containing chitosan scaffolds for cartilage tissue engineering. International Journal of Biological Macromolecules, 2019, 127, 396-405.	3.6	95
17	Designing and fabrication of curcumin loaded PCL/PVA multi-layer nanofibrous electrospun structures as active wound dressing. Progress in Biomaterials, 2017, 6, 39-48.	1.8	87
18	Effect of polyvinylpyrrolidone on morphology and performance of hemodialysis membranes prepared from polyether sulfone. Journal of Applied Polymer Science, 2004, 92, 3804-3813.	1.3	85

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19	Solvent-, ion- and pH-specific swelling of poly(2-acrylamido-2-methylpropane sulfonic acid) superabsorbing gels. Journal of Polymer Research, 2010, 17, 203-212.	1.2	85
20	In Situ Forming, Cytocompatible, and Self-Recoverable Tough Hydrogels Based on Dual Ionic and Click Cross-Linked Alginate. Biomacromolecules, 2018, 19, 1646-1662.	2.6	77
21	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.	2.5	72
22	Investigation of gelation mechanism of an injectable hydrogel based on chitosan by rheological measurements for a drug delivery application. Soft Matter, 2012, 8, 7128.	1.2	70
23	Microfluidic self-assembly of polymeric nanoparticles with tunable compactness for controlled drug delivery. Polymer, 2013, 54, 4972-4979.	1.8	70
24	Dexamethasone eluting cochlear implant: Histological study in animal model. Cochlear Implants International, 2013, 14, 45-50.	0.5	68
25	Cell attachment to laser-induced AAm-and HEMA-grafted ethylenepropylene rubber as biomaterial: in vivo study. Biomaterials, 1995, 16, 641-648.	5.7	66
26	Differentiation of Whartonâ€™s Jelly-Derived Mesenchymal Stem Cells into Motor Neuron-Like Cells on Three-Dimensional Collagen-Grafted Nanofibers. Molecular Neurobiology, 2016, 53, 2397-2408.	1.9	64
27	Effect of surface charge and hydrophobicity of polyurethanes and silicone rubbers on L929 cells response. Colloids and Surfaces B: Biointerfaces, 2006, 51, 112-119.	2.5	63
28	Gelatinâ€“GAG electrospun nanofibrous scaffold for skin tissue engineering: Fabrication and modeling of process parameters. Materials Science and Engineering C, 2015, 48, 704-712.	3.8	61
29	Cell-loaded gelatin/chitosan scaffolds fabricated by salt-leaching/lyophilization for skin tissue engineering:<i>In vitro</i>and<i>in vivo</i>study. Journal of Biomedical Materials Research - Part A, 2014, 102, 3908-3917.	2.1	60
30	Bone differentiation of marrow-derived mesenchymal stem cells using Î²-tricalcium phosphateâ€“alginateâ€“gelatin hybrid scaffolds. Journal of Tissue Engineering and Regenerative Medicine, 2007, 1, 417-424.	1.3	58
31	Chitosanâ€modified nanoclayâ€“poly(AMPS) nanocomposite hydrogels with improved gel strength. Polymer International, 2009, 58, 1252-1259.	1.6	56
32	Novel chitosan-based nanobiohybrid membranes for wound dressing applications. RSC Advances, 2016, 6, 7701-7711.	1.7	56
33	Corticosteroidâ€releasing cochlear implant: A novel hybrid of biomaterial and drug delivery system. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 94B, 388-398.	1.6	53
34	Gelatin/chondroitin sulfate nanofibrous scaffolds for stimulation of wound healing: <i>Inâ€vitro</i> and <i>inâ€vivo</i> study. Journal of Biomedical Materials Research - Part A, 2017, 105, 2020-2034.	2.1	52
35	Biocompatibility evaluation of nanoâ€rod hydroxyapatite/gelatin coated with nanoâ€HAp as a novel scaffold using mesenchymal stem cells. Journal of Biomedical Materials Research - Part A, 2010, 92A, 1244-1255.	2.1	51
36	Bulk and surface modification of silicone rubber for biomedical applications. Polymer International, 2002, 51, 882-888.	1.6	50

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37	Piezoelectric electrospun nanocomposite comprising Au NPs/PVDF for nerve tissue engineering. Journal of Biomedical Materials Research - Part A, 2017, 105, 1984-1993.	2.1	50
38	Microfluidicâ€Assisted Selfâ€Assembly of Complex Dendritic Polyethylene Drug Delivery Nanocapsules. Advanced Materials, 2014, 26, 3118-3123.	11.1	49
39	Biomimetic modified clinical-grade POSS-PCU nanocomposite polymer for bypass graft applications: A preliminary assessment of endothelial cell adhesion and haemocompatibility. Materials Science and Engineering C, 2015, 46, 400-408.	3.8	49
40	Hydrophilic interpenetrating polymer networks of poly(dimethyl siloxane) (PDMS) as biomaterial for cochlear implants. Journal of Biomaterials Science, Polymer Edition, 2006, 17, 341-355.	1.9	48
41	Cell behavior on laser surface-modified polyethylene terephthalatein vitro. Journal of Biomedical Materials Research Part B, 2001, 57, 183-189.	3.0	47
42	Physical, mechanical, and biocompatibility evaluation of three different types of silicone rubber. Journal of Applied Polymer Science, 2003, 88, 2522-2529.	1.3	47
43	Simultaneous graft copolymerization of 2-hydroxyethyl methacrylate and acrylic acid onto polydimethylsiloxane surfaces using a two-step plasma treatment. Journal of Applied Polymer Science, 2007, 105, 2208-2217.	1.3	47
44	Injectable in situ forming drug delivery system based on poly(Îµ-caprolactone fumarate) for tamoxifen citrate delivery: Gelation characteristics, in vitro drug release and anti-cancer evaluation. Acta Biomaterialia, 2009, 5, 1966-1978.	4.1	47
45	Fabrication and characterization of hydrothermal cross-linked chitosan porous scaffolds for cartilage tissue engineering applications. Materials Science and Engineering C, 2017, 80, 532-542.	3.8	47
46	Particle size design of PLGA microspheres for potential pulmonary drug delivery using response surface methodology. Journal of Microencapsulation, 2009, 26, 1-8.	1.2	45
47	Application of plasma surface modification techniques to improve hemocompatibility of vascular grafts: A review. Biotechnology and Applied Biochemistry, 2011, 58, 311-327.	1.4	45
48	Combinational drug delivery using nanocarriers for breast cancer treatments: A review. Journal of Biomedical Materials Research - Part A, 2018, 106, 2272-2283.	2.1	44
49	Sequential interpenetrating polymer networks of poly(2-hydroxyethyl methacrylate) and polydimethylsiloxane. Journal of Applied Polymer Science, 2002, 85, 1825-1831.	1.3	43
50	Undesirable effects of heating on hydrogels. Journal of Applied Polymer Science, 2008, 110, 3420-3430.	1.3	42
51	Fabrication of cancellous biomimetic chitosanâ€based nanocomposite scaffolds applying a combinational method for bone tissue engineering. Journal of Biomedical Materials Research - Part A, 2015, 103, 1882-1892.	2.1	40
52	Polyvinyl alcohol/soy protein isolate nanofibrous patch for wound-healing applications. Progress in Biomaterials, 2019, 8, 185-196.	1.8	40
53	Surface modification of POSSâ€nanocomposite biomaterials using reactive oxygen plasma treatment for cardiovascular surgical implant applications. Biotechnology and Applied Biochemistry, 2011, 58, 147-161.	1.4	39
54	Fabrication of gelatin/chitosan nanofibrous scaffold: process optimization and empirical modeling. Polymer International, 2015, 64, 571-580.	1.6	38

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55	Crosslinking strategies for silk fibroin hydrogels: promising biomedical materials. Biomedical Materials (Bristol), 2021, 16, 022004.	1.7	37
56	Photopolymerization and shrinkage kinetics of in situ crosslinkable N â€vinylâ€pyrrolidone/poly(Îµâ€caprolactone fumarate) networks. Journal of Biomedical Materials Research - Part A, 2008, 84A, 545-556.	2.1	35
57	In vitro studies of platelet adhesion on laser-treated polyethylene terephthalate surface. Journal of Biomedical Materials Research Part B, 2001, 54, 540-546.	3.0	34
58	Novel class of collector in electrospinning device for the fabrication of 3D nanofibrous structure for large defect loadâ€bearing tissue engineering application. Journal of Biomedical Materials Research - Part A, 2017, 105, 1535-1548.	2.1	34
59	Biological and mechanical properties of novel composites based on supramolecular polycaprolactone and functionalized hydroxyapatite. Journal of Biomedical Materials Research - Part A, 2010, 95A, 209-221.	2.1	33
60	Electrospun silk-based nanofibrous scaffolds: fiber diameter and oxygen transfer. Progress in Biomaterials, 2016, 5, 71-80.	1.8	33
61	Effect of self-complementary motifs on phase compatibility and material properties in blends of supramolecular polymers. Polymer, 2010, 51, 6303-6312.	1.8	32
62	Fabrication of a porous wall and higher interconnectivity scaffold comprising gelatin/chitosan via combination of salt-leaching and lyophilization methods. Iranian Polymer Journal (English Edition), 2012, 21, 191-200.	1.3	32
63	Laser surface modification of silicone rubber to reduce platelet adhesion in vitro. Journal of Biomaterials Science, Polymer Edition, 2004, 15, 59-72.	1.9	31
64	Fabrication of a Nanofibrous Scaffold for the In Vitro Culture of Cardiac Progenitor Cells for Myocardial Regeneration. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 229-239.	1.8	31
65	Properties of poly(dimethylsiloxane)/hydrogel multicomponent systems. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 2145-2156.	2.4	30
66	Synthesis, photocrosslinking characteristics, and biocompatibility evaluation of <i>N</i>â€vinyl pyrrolidone/polycaprolactone fumarate biomaterials using a new proton scavenger. Polymers for Advanced Technologies, 2008, 19, 1828-1838.	1.6	30
67	Particle size modeling and morphology study of chitosan/gelatin/nanohydroxyapatite nanocomposite microspheres for bone tissue engineering. Journal of Biomedical Materials Research - Part A, 2013, 101A, 1758-1767.	2.1	30
68	BHK cells behaviour on laser treated polydimethylsiloxane surface. Colloids and Surfaces B: Biointerfaces, 2004, 35, 67-71.	2.5	29
69	Early stages of gelation in gelatin solution detected by dynamic oscillating rheology and nuclear magnetic spectroscopy. European Polymer Journal, 2007, 43, 1480-1486.	2.6	29
70	Injectable drug loaded gelatin based scaffolds as minimally invasive approach for drug delivery system: CNC/PAMAM nanoparticles. European Polymer Journal, 2020, 139, 109992.	2.6	29
71	Isocyanate-terminated urethane prepolymer as bioadhesive base material: synthesis and characterization. International Journal of Adhesion and Adhesives, 2000, 20, 299-304.	1.4	28
72	Synthesis and preparation of biodegradable and visible light crosslinkable unsaturated fumarateâ€based networks for biomedical applications. Polymers for Advanced Technologies, 2008, 19, 1199-1208.	1.6	28

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73	Hydroxyapatite scaffolds infiltrated with thermally crosslinked polycaprolactone fumarate and polycaprolactone itaconate. Journal of Biomedical Materials Research - Part A, 2011, 98A, 257-267.	2.1	28
74	Platelet adhesion on laser-induced acrylic acid-grafted polyethylene terephthalate. Journal of Applied Polymer Science, 2002, 86, 3191-3196.	1.3	26
75	Jute reinforced polyester structures. Polymer Composites, 1984, 5, 141-142.	2.3	25
76	Effect of silicon rubber crosslink density on fibroblast cell behaviorin vitro. Journal of Biomedical Materials Research Part B, 2003, 67A, 727-732.	3.0	25
77	Injectable and reversible preformed cryogels based on chemically crosslinked gelatin methacrylate (GelMA) and physically crosslinked hyaluronic acid (HA) for soft tissue engineering. Colloids and Surfaces B: Biointerfaces, 2021, 203, 111725.	2.5	25
78	Injectable hydrogels for bone and cartilage tissue engineering: a review. Progress in Biomaterials, 2022, 11, 113-135.	1.8	25
79	Bioadhesion and biocompatibility evaluations of gelatin and polyacrylic acid as a crosslinked hydrogel in vitro. Journal of Biomaterials Science, Polymer Edition, 2004, 15, 1019-1031.	1.9	24
80	Collagenâ€immobilized patch for repairing small tympanic membrane perforations: <i>In vitro</i> and <i>in vivo</i> assays. Journal of Biomedical Materials Research - Part A, 2012, 100A, 549-553.	2.1	24
81	Induction of human umbilical Whartonâ€™s jelly-derived mesenchymal stem cells toward motor neuron-like cells. In Vitro Cellular and Developmental Biology - Animal, 2015, 51, 987-994.	0.7	24
82	Type I collagen gel in seeding medium improves murine mesencymal stem cell loading onto the scaffold, increases their subsequent proliferation, and enhances culture mineralization. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 90B, 659-667.	1.6	23
83	Comparison of viscoelastic properties of polydimethylsiloxane/poly(2-hydroxyethyl methacrylate) IPNs with their physical blends. Journal of Applied Polymer Science, 2002, 86, 3480-3485.	1.3	22
84	Synthesis, characterization, and biocompatibility of novel injectable, biodegradable, and <i>in situ</i> crosslinkable polycarbonateâ€based macromers. Journal of Biomedical Materials Research - Part A, 2009, 90A, 830-843.	2.1	22
85	Adhesion between modified and unmodified poly(dimethylsiloxane) layers for a biomedical application. International Journal of Adhesion and Adhesives, 2004, 24, 247-257.	1.4	21
86	Investigation of Plasma Treatment on Poly(3-hydroxybutyrate) Film Surface: Characterization and Invitro Assay. Polymer-Plastics Technology and Engineering, 2012, 51, 1319-1326.	1.9	21
87	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. Journal of Pharmacy and Pharmacology, 2014, 66, 624-638.	1.2	21
88	<i>In situ</i> forming PLGA implant for 90â€‰days controlled release of leuprolide acetate for treatment of prostate cancer. Polymers for Advanced Technologies, 2017, 28, 867-875.	1.6	21
89	Miscibility and tack of blends of poly (vinylpyrrolidone)/acrylic pressure-sensitive adhesive. International Journal of Adhesion and Adhesives, 2009, 29, 302-308.	1.4	20
90	Differentiation of Embryonic Stem Cells into Neural Cells on 3D Poly (D, L-Lactic Acid) Scaffolds versus 2D Cultures. International Journal of Artificial Organs, 2011, 34, 1012-1023.	0.7	19

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91	Thermoresponsive biopolymer hydrogels with tunable gel characteristics. RSC Advances, 2014, 4, 39386-39393.	1.7	19
92	Comparison of the Application of Allogeneic Fibroblast and Autologous Mesh Grafting With the Conventional Method in the Treatment of Third-Degree Burns. Journal of Burn Care and Research, 2016, 37, e90-e95.	0.2	19
93	Fabrication of nanocomposite/nanofibrous functionally graded biomimetic scaffolds for osteochondral tissue regeneration. Journal of Biomedical Materials Research - Part A, 2021, 109, 1657-1669.	2.1	19
94	Surface modification of polyethylene terephthalate film by CO2 laser-induced graft copolymerization of acrylamide. Journal of Applied Polymer Science, 2000, 76, 401-407.	1.3	18
95	Isocyanate-terminated urethane prepolymer as bioadhesive material: Evaluation of bioadhesion and biocompatibility, in vitro and in vivo assays. Journal of Biomaterials Science, Polymer Edition, 2001, 12, 707-719.	1.9	18
96	Ultra high molecular weight polyethylene and polydimethylsiloxane blend as acetabular cup material. Colloids and Surfaces B: Biointerfaces, 2005, 41, 169-174.	2.5	18
97	Effect of crosslinking procedure on structural, thermal, and functional performances of cellulosic nanofibers: A comparison between chemical and photochemical crosslinking. Journal of Applied Polymer Science, 2016, 133, .	1.3	18
98	Novel 3D scaffold with enhanced physical and cell response properties for bone tissue regeneration, fabricated by patterned electrospinning/electrospraying. Journal of Materials Science: Materials in Medicine, 2016, 27, 143.	1.7	18
99	Rheological Study and Molecular Dynamics Simulation of Biopolymer Blend Thermogels of Tunable Strength. Biomacromolecules, 2016, 17, 3474-3484.	2.6	18
100	Development of a method for measuring and modeling the NH2 content and crosslinking density of chitosan/gelatin/nanohydroxyapatite based microspheres. Polymer Testing, 2016, 51, 20-28.	2.3	18
101	Novel materials to enhance corneal epithelial cell migration on keratoprosthesis. British Journal of Ophthalmology, 2011, 95, 405-409.	2.1	17
102	Injectable scaffold as minimally invasive technique for cartilage tissue engineering: in vitro and in vivo preliminary study. Progress in Biomaterials, 2014, 3, 143-151.	1.8	17
103	Physicochemical and biological evaluation of plasmaâ€induced graft polymerization of acrylamide onto polydimethylsiloxane. Journal of Applied Polymer Science, 2008, 107, 2343-2349.	1.3	16
104	Dexamethasone-releasing cochlear implant coatings: application of artificial neural networks for modelling of formulation parameters and drug release profile. Journal of Pharmacy and Pharmacology, 2013, 65, 1145-1157.	1.2	16
105	Improvement of the Electrospinnability of Silk Fibroin Solution by Atmospheric Pressure Plasma Treatment. Fibers and Polymers, 2019, 20, 1594-1600.	1.1	16
106	Comparison of fibroblast and nerve cells response on plasma treated poly (<scp>L</scp>â€lactide) surface. Journal of Applied Polymer Science, 2009, 112, 3429-3435.	1.3	15
107	Preparation, mechanical properties, and <i>in vitro</i> biocompatibility of novel nanocomposites based on polyhexamethylene carbonate fumarate and nanohydroxyapatite. Polymers for Advanced Technologies, 2011, 22, 605-611.	1.6	15
108	Preparation and In Vitro Evaluation of a New Fentanyl Patch Based on Acrylic/Silicone Pressure-Sensitive Adhesive Blends. Drug Development and Industrial Pharmacy, 2009, 35, 487-498.	0.9	14

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109	In Vitro Evaluation of Drug Solubility and Gamma Irradiation on the Release of Betamethasone under Simulated In Vivo Conditions. Journal of Bioactive and Compatible Polymers, 2007, 22, 443-459.	0.8	13
110	Roll-designed 3D nanofibrous scaffold suitable for the regeneration of load bearing bone defects. Progress in Biomaterials, 2016, 5, 199-211.	1.8	13
111	Biocompatibility evaluation of laser-induced AAm and HEMA grafted EPR. Part 1: In-vitro study. Clinical Materials, 1994, 16, 177-187.	0.5	12
112	Polystyrene surface modification using excimer laser and radio-frequency plasma: blood compatibility evaluations. Progress in Biomaterials, 2012, 1, 4.	1.8	12
113	On the analysis of microrheological responses of selfâ€assembling RADA16â€I peptide hydrogel. Journal of Biomedical Materials Research - Part A, 2019, 107, 330-338.	2.1	12
114	Chitosan-based biocompatible dressing for treatment of recalcitrant lesions of cutaneous leishmaniasis: A pilot clinical study. Indian Journal of Dermatology, Venereology and Leprology, 2019, 85, 609.	0.2	12
115	Comparing supportive properties of poly lactic-co-glycolic acid (PLGA), PLGA/collagen and human amniotic membrane for human urothelial and smooth muscle cells engineering. Urology Journal, 2014, 11, 1620-8.	0.3	12
116	<i>In Vitro</i> and <i>in Vivo</i> Hemocompatibility Evaluation of Graphite Coated Polyester Vascular Grafts. International Journal of Artificial Organs, 2004, 27, 691-698.	0.7	11
117	Laserâ€modified nanostructures of PET films and cell behavior. Journal of Biomedical Materials Research - Part A, 2011, 98A, 63-71.	2.1	11
118	Curing behavior of silicone elastomer in the presence of two corticosteroid drugs. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 1636-1644.	1.6	11
119	Miscibility study of chitosan/polyethylene glycol fumarate blends in dilute solutions. Journal of Applied Polymer Science, 2013, 127, 3514-3521.	1.3	11
120	Rationalization of specific structure formation in electrospinning process: Study on nanoâ€fibrous <scp>PCL</scp>â€•and <scp>PLGA</scp>â€based scaffolds. Journal of Biomedical Materials Research - Part A, 2015, 103, 3927-3939.	2.1	11
121	3D in vitro cancerous tumor models: Using 3D printers. Medical Hypotheses, 2019, 124, 91-94.	0.8	11
122	Simple and versatile method for the oneâ€pot synthesis of segmented poly(urethane urea)s via <i>in situ</i>â€formed ABâ€type macromonomers. Polymer International, 2011, 60, 620-629.	1.6	10
123	Chitosan/polyethylene glycol fumarate blend films for wound dressing application: in vitro biocompatibility and biodegradability assays. Progress in Biomaterials, 2018, 7, 143-150.	1.8	10
124	Influence of Poly (Lactide-Co-Glycolide) Type and Gamma Irradiation on the Betamethasone Acetate Release from the In Situ Forming Systems. Current Drug Delivery, 2009, 6, 184-191.	0.8	9
125	Interaction and miscibility study of fumarate-based macromers with chitosan. Materials Chemistry and Physics, 2013, 139, 515-524.	2.0	9
126	Synthesis and temperature-induced self-assembly of a positively charged symmetrical pentablock terpolymer in aqueous solutions. European Polymer Journal, 2017, 97, 158-168.	2.6	9

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127	Chitosan/gum tragacanth/PVA hybrid nanofibrous scaffold for tissue engineering applications. Bioinspired, Biomimetic and Nanobiomaterials, 2020, 9, 16-23.	0.7	9
128	HPTLC procedure for determination of levonorgestrel in the drug-release media of an in-situ-forming delivery system. Journal of Planar Chromatography - Modern TLC, 2005, 18, 326-329.	0.6	8
129	Biodegradable Mini Plate and Screw: A Secure Method for Internal Fixation of Symphysis Pubis in Animal Model of Pubic Diastasis. Urology, 2010, 75, 676-681.	0.5	8
130	Potential Application of a Visible Light-Induced Photocured Hydrogel Film as a Wound Dressing Material. Journal of Polymers, 2015, 2015, 1-10.	0.9	8
131	Microstructure Manipulation of Polyurethaneâ€Based Macromolecular Scaffold for Tendon/Ligament Tissue Engineering. Macromolecular Materials and Engineering, 2022, 307, 2100584.	1.7	8
132	The study of collagen immobilization on a novel nanocomposite to enhance cell adhesion and growth. Iranian Biomedical Journal, 2011, 15, 6-14.	0.4	7
133	Shape memory injectable cryogel based on carboxymethyl chitosan/gelatin for minimally invasive tissue engineering: In vitro and in vivo assays. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 2438-2451.	1.6	7
134	The effect of process parameters on the size and morphology of poly(<scp>D,L</scp>â€lactideâ€<i>co</i>â€glycolide) micro/nanoparticles prepared by an oil in oil emulsion/solvent evaporation technique. Journal of Applied Polymer Science, 2010, 116, 528-534.	1.3	6
135	Tunable viscoelastic features of aqueous mixtures of thermosensitive ethyl(hydroxyethyl)cellulose and cellulose nanowhiskers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 590, 124489.	2.3	6
136	Long-Term Evaluation of Laser-Treated Silicone (LTS) Membrane as a Pericardial Substitute: In Vivo Study. Journal of Long-Term Effects of Medical Implants, 2005, 15, 347-354.	0.2	6
137	Investigation of drug release and ¹Hâ€NMR analysis of the <i>in situ</i> forming systems based on poly(lactideâ€<i>co</i>â€glycolide). Polymers for Advanced Technologies, 2009, 20, 48-57.	1.6	5
138	Mathematical modeling of electrospinning process of silk fibroin/gelatin nanofibrous mat: Comparison of the accuracy of GMDH and RSM models. Journal of Industrial Textiles, 2021, 50, 1020-1039.	1.1	5
139	A Novel Approach for Repairing of Intestinal Fistula Using chitosan hydrogel. Journal of Biomaterials Applications, 2010, 24, 545-553.	1.2	3
140	The effect of electron beam irradiation on dynamic shear rheological behavior of a poly (propyleneâ€coâ€ethylene) heterophasic copolymer. Polymers for Advanced Technologies, 2011, 22, 2039-2043.	1.6	3
141	PEGylated curcumin-loaded nanofibrous mats with controlled burst release through bead knot-on-spring design. Progress in Biomaterials, 2020, 9, 175-185.	1.8	3
142	Recent Achievements in Bone and Skin Tissue Engineering in Iran. Artificial Organs, 2018, 42, 585-588.	1.0	2
143	Plasma graft polymerization of Acrylic Acid and immobilization of Heparin to improve blood compatibility of Polyethylene terephthalate (PET).. Materials Research Society Symposia Proceedings, 2012, 1469, 137.	0.1	1
144	Mechanical Characteristics of SPG-178 Hydrogels: Optimizing Viscoelastic Properties through Microrheology and Response Surface Methodology. Iranian Biomedical Journal, 2020, 24, 110-118.	0.4	1

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145	Platelet-Rich Plasma Incorporated Nanostructures for Tissue Engineering Applications. , 2017, , 211-227.		0
146	In Situ Forming Hydrogels Based on Clickable Star-PEG for Biomedical Applications. , 2020, , 92-95.		0