

Alireza Moshaverinia

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.

76
papers

2,527
citations

28
h-index

49
g-index

80
ext. papers

3,086
ext. citations

8.2
avg, IF

5.04
L-index

#	Paper	IF	Citations
76	Immunomodulatory Microneedle Patch for Periodontal Tissue Regeneration.. <i>Matter</i> , 2022 , 5, 666-682	12.7	4
75	Engineered Delivery of Dental Stem Cell-Derived Extracellular Vesicles for Periodontal Tissue Regeneration.. <i>Advanced Healthcare Materials</i> , 2022 , e2102593	10.1	3
74	Synthesis and characterization of a photo-cross-linked bioactive polycaprolactone-based osteoconductive biocomposite. <i>Journal of Biomedical Materials Research - Part A</i> , 2021 , 109, 1858-1868	5.4	1
73	A narrative overview of utilizing biomaterials to recapitulate the salient regenerative features of dental-derived mesenchymal stem cells. <i>International Journal of Oral Science</i> , 2021 , 13, 22	27.9	1
72	Influence of Dental Pulp Harvesting Method on the Viability and Differentiation Capacity of Adult Dental Pulp-Derived Mesenchymal Stem Cells. <i>Stem Cells International</i> , 2021 , 2021, 9952401	5	1
71	RGD-Modified Alginate-GelMA Hydrogel Sheet Containing Gingival Mesenchymal Stem Cells: A Unique Platform for Wound Healing and Soft Tissue Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 3774-3782	5.5	6
70	Whitlockite-Enabled Hydrogel for Craniofacial Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 35342-35355	9.5	5
69	Microenvironment Can Induce Development of Auditory Progenitor Cells from Human Gingival Mesenchymal Stem Cells. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 2263-2273	5.5	3
68	A multifunctional fusion peptide for tethering to hydroxyapatite and selective capture of bone morphogenetic protein from extracellular milieu. <i>Journal of Biomedical Materials Research - Part A</i> , 2020 , 108, 1459-1466	5.4	
67	An engineered cell-laden adhesive hydrogel promotes craniofacial bone tissue regeneration in rats. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	79
66	In situ bone tissue engineering using gene delivery nanocomplexes. <i>Acta Biomaterialia</i> , 2020 , 108, 326-336.8		18
65	Bioactive glass-containing hydrogel delivery system for osteogenic differentiation of human dental pulp stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2020 , 108, 557-564	5.4	10
64	New Engineered Fusion Peptide with Dual Functionality: Antibacterial and Strong Binding to Hydroxyapatite. <i>International Journal of Peptide Research and Therapeutics</i> , 2020 , 26, 1629-1639	2.1	1
63	Review of the Modern Dental Ceramic Restorative Materials for Esthetic Dentistry in the Minimally Invasive Age. <i>Dental Clinics of North America</i> , 2020 , 64, 621-631	3.3	5
62	Hierarchically Patterned Polydopamine-Containing Membranes for Periodontal Tissue Engineering. <i>ACS Nano</i> , 2019 , 13, 3830-3838	16.7	52
61	Comparative evaluation of the physical properties of a reinforced glass ionomer dental restorative material. <i>Journal of Prosthetic Dentistry</i> , 2019 , 122, 154-159	4	16
60	CAD-CAM acrylic resin prosthesis superstructure: A technique for fabricating an implant-supported fixed complete denture. <i>Journal of Prosthetic Dentistry</i> , 2019 , 121, 378-380	4	

59	Mechanobiological Mimicry of Helper T Lymphocytes to Evaluate Cell-Biomaterials Crosstalk. <i>Advanced Materials</i> , 2018 , 30, e1706780	24	16
58	Effects of an etching solution on the adhesive properties and surface microhardness of zirconia dental ceramics. <i>Journal of Prosthetic Dentistry</i> , 2018 , 120, 447-453	4	5
57	Polyserotonin Nanoparticles as Multifunctional Materials for Biomedical Applications. <i>ACS Nano</i> , 2018 , 12, 4761-4774	16.7	33
56	Tissue Regeneration: A Multifunctional Polymeric Periodontal Membrane with Osteogenic and Antibacterial Characteristics (Adv. Funct. Mater. 3/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870021	15.6	4
55	Cytokine Secreting Microparticles Engineer the Fate and the Effector Functions of T-Cells. <i>Advanced Materials</i> , 2018 , 30, 1703178	24	17
54	Comparison of dimensional accuracy of conventionally and digitally manufactured intracoronar restorations. <i>Journal of Prosthetic Dentistry</i> , 2018 , 119, 233-238	4	14
53	Minced Pulp as Source of Pulpal Mesenchymal Stem Cells with Odontogenic Differentiation Capacity. <i>Journal of Endodontics</i> , 2018 , 44, 80-86	4.7	7
52	A Multifunctional Polymeric Periodontal Membrane with Osteogenic and Antibacterial Characteristics. <i>Advanced Functional Materials</i> , 2018 , 28, 1703437	15.6	111
51	Mesenchymal stem cell transplantation in tight-skin mice identifies miR-151-5p as a therapeutic target for systemic sclerosis. <i>Cell Research</i> , 2017 , 27, 559-577	24.7	59
50	Revisiting structure-property relationship of pH-responsive polymers for drug delivery applications. <i>Journal of Controlled Release</i> , 2017 , 253, 46-63	11.7	168
49	Effect of different thermo-light polymerization on flexural strength of two glass ionomer cements and a glass carbomer cement. <i>Journal of Prosthetic Dentistry</i> , 2017 , 118, 102-107	4	16
48	Dental and orofacial mesenchymal stem cells in craniofacial regeneration: The prosthodontist's point of view. <i>Journal of Prosthetic Dentistry</i> , 2017 , 118, 455-461	4	18
47	Human Periodontal Ligament- and Gingiva-derived Mesenchymal Stem Cells Promote Nerve Regeneration When Encapsulated in Alginate/Hyaluronic Acid 3D Scaffold. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700670	10.1	44
46	Collagen sponge functionalized with chimeric anti-BMP-2 monoclonal antibody mediates repair of nonunion tibia defects in a nonhuman primate model: An exploratory study. <i>Journal of Biomaterials Applications</i> , 2017 , 32, 425-432	2.9	4
45	Alginate/hyaluronic acid hydrogel delivery system characteristics regulate the differentiation of periodontal ligament stem cells toward chondrogenic lineage. <i>Journal of Materials Science: Materials in Medicine</i> , 2017 , 28, 162	4.5	35
44	Nanostructured Fibrous Membranes with Rose Spike-Like Architecture. <i>Nano Letters</i> , 2017 , 17, 6235-6240	11.5	60
43	Nanoscale Optoregulation of Neural Stem Cell Differentiation by Intracellular Alteration of Redox Balance. <i>Advanced Functional Materials</i> , 2017 , 27, 1701420	15.6	13
42	Regulation of the fate of dental-derived mesenchymal stem cells using engineered alginate-GelMA hydrogels. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 2957-2967	5.4	28

41	Hydrogel elasticity and microarchitecture regulate dental-derived mesenchymal stem cell-host immune system cross-talk. <i>Acta Biomaterialia</i> , 2017 , 60, 181-189	10.8	33
40	Hydrogels in craniofacial tissue engineering 2017 , 47-64		5
39	Collagen Sponge Functionalized with Chimeric Anti-BMP-2 Monoclonal Antibody Mediates Repair of Critical-Size Mandibular Continuity Defects in a Nonhuman Primate Model. <i>BioMed Research International</i> , 2017 , 2017, 8094152	3	4
38	Biomechanical analysis of engineered bone with anti-BMP2 antibody immobilized on different scaffolds. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016 , 104, 1465-73	3.5	4
37	Muscle Tissue Engineering Using Gingival Mesenchymal Stem Cells Encapsulated in Alginate Hydrogels Containing Multiple Growth Factors. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 1908-20	4.7	51
36	Gingival Mesenchymal Stem Cell (GMSC) Delivery System Based on RGD-Coupled Alginate Hydrogel with Antimicrobial Properties: A Novel Treatment Modality for Peri-Implantitis. <i>Journal of Prosthodontics</i> , 2016 , 25, 105-15	3.9	29
35	Effects of incorporation of nano-fluorapatite particles on microhardness, fluoride releasing properties, and biocompatibility of a conventional glass ionomer cement (GIC). <i>Dental Materials Journal</i> , 2016 , 35, 817-821	2.5	17
34	Effects of the orientation of anti-BMP2 monoclonal antibody immobilized on scaffold in antibody-mediated osseous regeneration. <i>Journal of Biomaterials Applications</i> , 2015 , 30, 558-67	2.9	7
33	Pluronic F-127 hydrogel as a promising scaffold for encapsulation of dental-derived mesenchymal stem cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2015 , 26, 153	4.5	97
32	Biofilms in restorative dentistry: A clinical report. <i>Journal of Prosthetic Dentistry</i> , 2015 , 113, 524-7	4	2
31	MSC Transplantation Improves Osteopenia via Epigenetic Regulation of Notch Signaling in Lupus. <i>Cell Metabolism</i> , 2015 , 22, 606-18	24.6	147
30	mTOR inhibition rescues osteopenia in mice with systemic sclerosis. <i>Journal of Experimental Medicine</i> , 2015 , 212, 73-91	16.6	58
29	Effect of laser-dimpled titanium surfaces on attachment of epithelial-like cells and fibroblasts. <i>Journal of Advanced Prosthodontics</i> , 2015 , 7, 138-45	2.2	14
28	Regulation of the Stem Cell-Host Immune System Interplay Using Hydrogel Coencapsulation System with an Anti-Inflammatory Drug. <i>Advanced Functional Materials</i> , 2015 , 25, 2296-2307	15.6	51
27	A multidisciplinary approach for the rehabilitation of a patient with an excessively worn dentition: a clinical report. <i>Journal of Prosthetic Dentistry</i> , 2014 , 111, 259-63	4	4
26	Implant-abutment interface: a comparison of the ultimate force to failure among narrow-diameter implant systems. <i>Journal of Prosthetic Dentistry</i> , 2014 , 112, 136-42	4	16
25	Application of stem cells derived from the periodontal ligament or gingival tissue sources for tendon tissue regeneration. <i>Biomaterials</i> , 2014 , 35, 2642-50	15.6	87
24	A technique for retrieving fractured implant screws. <i>Journal of Prosthetic Dentistry</i> , 2014 , 111, 81-3	4	14

23	Full mouth rehabilitation of a young patient with partial expressions of ectodermal dysplasia: a clinical report. <i>Journal of Prosthetic Dentistry</i> , 2014 , 112, 449-54	4	5
22	Mandibular implant-supported fixed dental prosthesis with a modified design: a clinical report. <i>Journal of Prosthetic Dentistry</i> , 2014 , 111, 91-5	4	3
21	Effects of setting under air pressure on the number of surface pores and irregularities of dental investment materials. <i>Journal of Prosthetic Dentistry</i> , 2014 , 111, 150-3	4	4
20	Bone regeneration potential of stem cells derived from periodontal ligament or gingival tissue sources encapsulated in RGD-modified alginate scaffold. <i>Tissue Engineering - Part A</i> , 2014 , 20, 611-21	3.9	80
19	Encapsulated dental-derived mesenchymal stem cells in an injectable and biodegradable scaffold for applications in bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 3285-94	5.4	55
18	Dental mesenchymal stem cells encapsulated in an alginate hydrogel co-delivery microencapsulation system for cartilage regeneration. <i>Acta Biomaterialia</i> , 2013 , 9, 9343-50	10.8	80
17	Co-encapsulation of anti-BMP2 monoclonal antibody and mesenchymal stem cells in alginate microspheres for bone tissue engineering. <i>Biomaterials</i> , 2013 , 34, 6572-9	15.6	108
16	Functionalization of scaffolds with chimeric anti-BMP-2 monoclonal antibodies for osseous regeneration. <i>Biomaterials</i> , 2013 , 34, 10191-8	15.6	28
15	A review of polyelectrolyte modifications in conventional glass-ionomer dental cements. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2824		29
14	Click Chemistry: A Potential Platform for Development of Novel Dental Restorative Materials. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2012 , 49, 288-292	2.2	4
13	Alginate hydrogel as a promising scaffold for dental-derived stem cells: an in vitro study. <i>Journal of Materials Science: Materials in Medicine</i> , 2012 , 23, 3041-51	4.5	97
12	Development of bacterially resistant polyurethane for coating medical devices. <i>Biomedical Materials (Bristol)</i> , 2012 , 7, 015007	3.5	16
11	A review of powder modifications in conventional glass-ionomer dental cements. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1319-1328		62
10	Surface properties and bond strength measurements of N-vinylcaprolactam (NVC)-containing glass-ionomer cements. <i>Journal of Prosthetic Dentistry</i> , 2011 , 105, 185-93	4	13
9	Effects of N-vinylcaprolactam containing polyelectrolytes on hardness, fluoride release and water sorption of conventional glass ionomers. <i>Journal of Prosthetic Dentistry</i> , 2011 , 105, 323-31	4	10
8	Ultrasonically set novel NVC-containing glass-ionomer cements for applications in restorative dentistry. <i>Journal of Materials Science: Materials in Medicine</i> , 2011 , 22, 2029-34	4.5	10
7	Measure of microhardness, fracture toughness and flexural strength of N-vinylcaprolactam (NVC)-containing glass-ionomer dental cements. <i>Dental Materials</i> , 2010 , 26, 1137-43	5.7	25
6	Effects of N-vinylpyrrolidone (NVP) containing polyelectrolytes on surface properties of conventional glass-ionomer cements (GIC). <i>Dental Materials</i> , 2009 , 25, 1240-7	5.7	18

5	Synthesis and characterization of a novel N-vinylcaprolactam-containing acrylic acid terpolymer for applications in glass-ionomer dental cements. <i>Acta Biomaterialia</i> , 2009 , 5, 2101-8	10.8	49
4	Synthesis and characterization of a novel fast-set proline-derivative-containing glass ionomer cement with enhanced mechanical properties. <i>Acta Biomaterialia</i> , 2009 , 5, 498-507	10.8	22
3	Modification of conventional glass-ionomer cements with N-vinylpyrrolidone containing polyacids, nano-hydroxy and fluoroapatite to improve mechanical properties. <i>Dental Materials</i> , 2008 , 24, 1381-90	5.7	112
2	Synthesis of N-vinylpyrrolidone modified acrylic acid copolymer in supercritical fluids and its application in dental glass-ionomer cements. <i>Journal of Materials Science: Materials in Medicine</i> , 2008 , 19, 2705-11	4.5	14
1	Effects of incorporation of hydroxyapatite and fluoroapatite nanobioceramics into conventional glass ionomer cements (GIC). <i>Acta Biomaterialia</i> , 2008 , 4, 432-40	10.8	181