

Mohammad Samiei

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

6,615
citations

172207

29
h-index

74018

75
g-index

78
all docs

78
docs citations

78
times ranked

11018
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel nanocomposite scaffold based on gelatin/PLGA-PEG-PLGA hydrogels embedded with TGF- β 1 for chondrogenic differentiation of human dental pulp stem cells in vitro. <i>International Journal of Biological Macromolecules</i> , 2022, 201, 270-287.	3.6	23
2	Influence of Curcumin Nanocrystals on the Early Osteogenic Differentiation and Proliferation of Dental Pulp Stem Cells. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-8.	1.5	5
3	Application of Collagen and Mesenchymal Stem Cells in Regenerative Dentistry. <i>Current Stem Cell Research and Therapy</i> , 2022, 17, 606-620.	0.6	12
4	Enhancing the function of PLGA-collagen scaffold by incorporating TGF- β 1-loaded PLGA-PEG-PLGA nanoparticles for cartilage tissue engineering using human dental pulp stem cells. <i>Drug Delivery and Translational Research</i> , 2022, 12, 2960-2978.	3.0	10
5	The osteogenic differentiation of human dental pulp stem cells in alginate-gelatin/Nano-hydroxyapatite microcapsules. <i>BMC Biotechnology</i> , 2021, 21, 6.	1.7	45
6	Chemical binding of pyrrolidinyl peptide nucleic acid (<sc>acpcPNA</sc>) probe with <sc>AuNPs</sc> toward label-free monitoring of <sc>miRNA</sc> 21: A novel biosensing platform for biomedical analysis and POC diagnostics. <i>Journal of Molecular Recognition</i> , 2021, 34, e2893.	1.1	7
7	Early Osteogenic Differentiation Stimulation of Dental Pulp Stem Cells by Calcitriol and Curcumin. <i>Stem Cells International</i> , 2021, 2021, 1-7.	1.2	22
8	Bioactive hydrogel-based scaffolds for the regeneration of dental pulp tissue. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 64, 102600.	1.4	15
9	Electrochemical immunoplatfrom to assist in the diagnosis of oral cancer through the determination of <sc>CYFRA</sc> 21.1 biomarker in human saliva samples: Preparation of a novel portable biosensor toward non-invasive diagnosis of oral cancer. <i>Journal of Molecular Recognition</i> , 2021, 34, e2932.	1.1	12
10	Bioactive chitosan biguanidine-based injectable hydrogels as a novel BMP-2 and VEGF carrier for osteogenesis of dental pulp stem cells. <i>Carbohydrate Polymers</i> , 2021, 273, 118589.	5.1	47
11	Flexible paper-based label-free electrochemical biosensor for the monitoring of miRNA-21 using core-shell Ag@Au/GQD nano-ink: a new platform for the accurate and rapid analysis by low cost lab-on-paper technology. <i>Analytical Methods</i> , 2021, 13, 1286-1294.	1.3	31
12	A Comprehensive Review of Detection Methods for SARS-CoV-2. <i>Microorganisms</i> , 2021, 9, 232.	1.6	74
13	Effect of RaCe, ProTaper, and V-Taper rotary systems on dentinal crack formation during endodontic treatment: An <i>in vitro</i> study. <i>Journal of Dental Research, Dental Clinics, Dental Prospects</i> , 2021, 15, 251-255.	0.4	0
14	The Potential Applications of Hyaluronic Acid Hydrogels in Biomedicine. <i>Drug Research</i> , 2020, 70, 6-11.	0.7	69
15	Phytochemicals impact on osteogenic differentiation of mesenchymal stem cells. <i>BioFactors</i> , 2020, 46, 874-893.	2.6	31
16	Postendodontic Pain after Pulpotomy or Root Canal Treatment in Mature Teeth with Carious Pulp Exposure: A Multicenter Randomized Controlled Trial. <i>Pain Research and Management</i> , 2020, 2020, 1-14.	0.7	23
17	The effect of electromagnetic fields on survival and proliferation rate of dental pulp stem cells. <i>Acta Odontologica Scandinavica</i> , 2020, 78, 494-500.	0.9	13
18	The Use of Nanomaterials in Tissue Engineering for Cartilage Regeneration; Current Approaches and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2020, 21, 536.	1.8	86

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19	Monitoring of drug resistance towards reducing the toxicity of pharmaceutical compounds: Past, present and future. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113265.	1.4	13
20	Bioactive polymeric scaffolds for osteogenic repair and bone regenerative medicine. <i>Medicinal Research Reviews</i> , 2020, 40, 1833-1870.	5.0	63
21	Evaluation of the adhesion of human dental pulp stem cells to different endodontic biomaterials before and after setting. <i>Journal of Dental Research, Dental Clinics, Dental Prospects</i> , 2020, 14, 97-103.	0.4	3
22	Learned Lessons from the Research Activities of Tabriz University of Medical Sciences During COVID-19 Pandemic. <i>Ta'arikh Salamat</i> , 2020, 11, 290-297.	0.0	0
23	Targeted cancer drug delivery with aptamer-functionalized polymeric nanoparticles. <i>Journal of Drug Targeting</i> , 2019, 27, 292-299.	2.1	78
24	The effect of hyaluronic acid hydrogels on dental pulp stem cells behavior. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 245-254.	3.6	61
25	Stem Cell Therapy: Curcumin Does the Trick. <i>Phytotherapy Research</i> , 2019, 33, 2927-2937.	2.8	47
26	The potentials of umbilical cord-derived mesenchymal stem cells in the treatment of multiple sclerosis. <i>Reviews in the Neurosciences</i> , 2019, 30, 857-868.	1.4	7
27	The role and therapeutic potential of connexins, pannexins and their channels in Parkinson's disease. <i>Cellular Signalling</i> , 2019, 58, 111-118.	1.7	24
28	The role of sclerostin and dickkopf-1 in oral tissues – A review from the perspective of the dental disciplines. <i>F1000Research</i> , 2019, 8, 128.	0.8	4
29	Cell junctions and oral health. <i>EXCLI Journal</i> , 2019, 18, 317-330.	0.5	14
30	Effect of the of Zeolite Containing Silver-Zinc Nanoparticles on the Push out Bond Strength of Mineral Trioxide Aggregate in Simulated Furcation Perforation. <i>Journal of Dentistry</i> , 2019, 20, 102-106.	0.1	3
31	Recent advances on biomedical applications of scaffolds in wound healing and dermal tissue engineering. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 691-705.	1.9	162
32	The Effect of Melanocyte Stimulating Hormone and Hydroxyapatite on Osteogenesis in Pulp Stem Cells of Human Teeth Transferred into Polyester Scaffolds. <i>Fibers and Polymers</i> , 2018, 19, 2245-2253.	1.1	6
33	Antimicrobial use of reactive oxygen therapy: current insights. <i>Infection and Drug Resistance</i> , 2018, Volume 11, 567-576.	1.1	151
34	Antibacterial Effect of Two Nano Zinc Oxide Gel Preparations Compared to Calcium Hydroxide and Chlorhexidine Mixture. <i>Iranian Endodontic Journal</i> , 2018, 13, 305-311.	0.8	12
35	Effect of Different Additives on Genotoxicity of Mineral Trioxide Aggregate. <i>Iranian Endodontic Journal</i> , 2018, 13, 37-41.	0.8	2
36	Biodegradable and biocompatible polymers for tissue engineering application: a review. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 185-192.	1.9	341

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37	Towards optimization of odonto/osteogenic bioengineering: in vitro comparison of simvastatin, sodium fluoride, melanocyte-stimulating hormone. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2017, 53, 502-512.	0.7	16
38	Towards osteogenic bioengineering of dental pulp stem induced by sodium fluoride on hydroxyapatite based biodegradable polymeric scaffold. <i>Fibers and Polymers</i> , 2017, 18, 1468-1477.	1.1	16
39	Effect of the TiO ₂ nanoparticles on the selected physical properties of mineral trioxide aggregate. <i>Journal of Clinical and Experimental Dentistry</i> , 2017, 9, 0-0.	0.5	15
40	Zeolite-silver-zinc nanoparticles: Biocompatibility and their effect on the compressive strength of mineral trioxide aggregate. <i>Journal of Clinical and Experimental Dentistry</i> , 2017, 9, 0-0.	0.5	22
41	Evaluation of Antibacterial Efficacy of Photodynamic Therapy vs. 2.5% NaOCl against <i>E. faecalis</i> -infected Root Canals Using Real-time PCR Technique. <i>Journal of Clinical and Experimental Dentistry</i> , 2017, 9, 0-0.	0.5	9
42	Effect of different mixing methods on the bacterial microleakage of white Portland cement and white Mineral Trioxide Aggregate. <i>Journal of Dental Research, Dental Clinics, Dental Prospects</i> , 2017, 11, 84-89.	0.4	5
43	Effect of retreatment on the push-out bond strength of MTA-based and epoxy resin-based endodontic sealers. <i>Journal of Dental Research, Dental Clinics, Dental Prospects</i> , 2017, 11, 43-47.	0.4	8
44	A Review on Root Anatomy and Canal Configuration of the Maxillary Second Molars. <i>Iranian Endodontic Journal</i> , 2017, 12, 1-9.	0.8	36
45	Scanning Electron Microscopy and Energy-Dispersive X-Ray Microanalysis of Set CEM Cement after Application of Different Bleaching Agents. <i>Iranian Endodontic Journal</i> , 2017, 12, 191-195.	0.8	2
46	Silver nanoparticles: Synthesis methods, bio-applications and properties. <i>Critical Reviews in Microbiology</i> , 2016, 42, 1-8.	2.7	262
47	Magnetic nanoparticles: Applications in gene delivery and gene therapy. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 1-8.	1.9	44
48	Synthesis, characterization, biocompatibility of hydroxyapatite/natural polymers nanocomposites for dentistry applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 277-284.	1.9	28
49	Osteogenic/Odontogenic Bioengineering with co-Administration of Simvastatin and Hydroxyapatite on Poly Caprolactone Based Nanofibrous Scaffold. <i>Advanced Pharmaceutical Bulletin</i> , 2016, 6, 353-365.	0.6	30
50	A randomized trial of direct pulp capping in primary molars using MTA compared to 3M Mixtatin: a novel pulp capping biomaterial. <i>International Journal of Paediatric Dentistry</i> , 2016, 26, 281-290.	1.0	42
51	The odontogenic differentiation of human dental pulp stem cells on hydroxyapatite-coated biodegradable nanofibrous scaffolds. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 720-728.	1.8	40
52	Nanoparticles for antimicrobial purposes in Endodontics: A systematic review of in vitro studies. <i>Materials Science and Engineering C</i> , 2016, 58, 1269-1278.	3.8	118
53	Postoperative Pain after Endodontic Treatment of Asymptomatic Teeth Using Rotary Instruments: A Randomized Clinical Trial. <i>Iranian Endodontic Journal</i> , 2016, 11, 38-43.	0.8	20
54	The Antibacterial Efficacy of Photo-Activated Disinfection, Chlorhexidine and Sodium Hypochlorite in Infected Root Canals: An in Vitro Study. <i>Iranian Endodontic Journal</i> , 2016, 11, 179-83.	0.8	11

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55	Laser-Casein phosphopeptide effect on remineralization of early enamel lesions in primary teeth. <i>Journal of Clinical and Experimental Dentistry</i> , 2015, 7, e261-e267.	0.5	17
56	The Effect of Thickness on the Sealing Ability of CEM Cement as a Root-end Filling Material. <i>Journal of Dental Research, Dental Clinics, Dental Prospects</i> , 2015, 9, 6-10.	0.4	2
57	Investigating the mutagenic effects of three commonly used pulpotomy agents using the ames test. <i>Advanced Pharmaceutical Bulletin</i> , 2015, 5, 121-5.	0.6	10
58	A new simulated plasma for assessing the solubility of mineral trioxide aggregate. <i>Iranian Endodontic Journal</i> , 2015, 10, 30-4.	0.8	5
59	The effect of different mixing methods on the flow rate and compressive strength of mineral trioxide aggregate and calcium-enriched mixture. <i>Iranian Endodontic Journal</i> , 2015, 10, 55-8.	0.8	20
60	Radiographic evaluation of root canal fillings accomplished by undergraduate dental students. <i>Iranian Endodontic Journal</i> , 2015, 10, 127-30.	0.8	12
61	The Effect of Different Mixing Methods on the pH and Solubility of Mineral Trioxide Aggregate and Calcium-Enriched Mixture. <i>Iranian Endodontic Journal</i> , 2015, 10, 140-3.	0.8	13
62	Bioengineering of Dental Pulp Stem Cells in a Microporous PNIPAAm-PLGA Scaffold. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 767-776.	1.8	15
63	Scanning Electron Microscopy Comparison of the Cleaning Efficacy of a Root Canal System by Nd:YAG Laser and Rotary Instruments. <i>Microscopy and Microanalysis</i> , 2014, 20, 1240-1245.	0.2	6
64	Sealing Efficacy of Single-cone Obturation Technique with MTA and CEM Cement: An in Vitro Bacterial Leakage Study. <i>Journal of Dental Research, Dental Clinics, Dental Prospects</i> , 2014, 8, 77-83.	0.4	7
65	Class III Restoration of Anterior Primary Teeth: In Vitro Retention Comparison of Conventional, Modified and Air-abrasion Treated Preparations. <i>Journal of Dental Research, Dental Clinics, Dental Prospects</i> , 2014, 8, 89-94.	0.4	1
66	An in vitro comparison of the antibacterial efficacy of triphala with different concentrations of sodium hypochlorite. <i>Iranian Endodontic Journal</i> , 2014, 9, 287-9.	0.8	15
67	Liposome: classification, preparation, and applications. <i>Nanoscale Research Letters</i> , 2013, 8, 102.	3.1	2,412
68	Are referred inaccessible human primary molar teeth really inaccessible?. <i>Journal of Oral Science</i> , 2013, 55, 167-173.	0.7	3
69	Antimicrobial Efficacy of Mineral Trioxide Aggregate with and without Silver Nanoparticles. <i>Iranian Endodontic Journal</i> , 2013, 8, 166-70.	0.8	42
70	Synthesis, characterization, and in vitro evaluation of novel polymer-coated magnetic nanoparticles for controlled delivery of doxorubicin. <i>Nanotechnology, Science and Applications</i> , 2012, 5, 13.	4.6	50
71	Effects of Various Mixing Techniques on Push-out Bond Strengths of White Mineral Trioxide Aggregate. <i>Journal of Endodontics</i> , 2012, 38, 501-504.	1.4	66
72	Quantum dots: synthesis, bioapplications, and toxicity. <i>Nanoscale Research Letters</i> , 2012, 7, 480.	3.1	463

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73	Magnetic nanoparticles: preparation, physical properties, and applications in biomedicine. <i>Nanoscale Research Letters</i> , 2012, 7, 144.	3.1	948
74	A Comparative Study of Using a Combination of Calcium Chloride and Mineral Trioxide Aggregate as the Pulp-capping Agent on Dogs's™ Teeth. <i>Journal of Endodontics</i> , 2011, 37, 786-788.	1.4	47
75	Repair of furcal perforation using a new endodontic cement. <i>Clinical Oral Investigations</i> , 2010, 14, 653-658.	1.4	105