

Mohammad Samiei

List of Publications by Year in descending order

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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	Liposome: classification, preparation, and applications. <i>Nanoscale Research Letters</i> , 2013, 8, 102.	3.1	2,412
2	Magnetic nanoparticles: preparation, physical properties, and applications in biomedicine. <i>Nanoscale Research Letters</i> , 2012, 7, 144.	3.1	948
3	Quantum dots: synthesis, bioapplications, and toxicity. <i>Nanoscale Research Letters</i> , 2012, 7, 480.	3.1	463
4	Biodegradable and biocompatible polymers for tissue engineering application: a review. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 185-192.	1.9	341
5	Silver nanoparticles: Synthesis methods, bio-applications and properties. <i>Critical Reviews in Microbiology</i> , 2016, 42, 1-8.	2.7	262
6	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
7	Antimicrobial use of reactive oxygen therapy: current insights. <i>Infection and Drug Resistance</i> , 2018, Volume 11, 567-576.	1.1	151
8	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
9	Repair of furcal perforation using a new endodontic cement. <i>Clinical Oral Investigations</i> , 2010, 14, 653-658.	1.4	105
10	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
11	Targeted cancer drug delivery with aptamer-functionalized polymeric nanoparticles. <i>Journal of Drug Targeting</i> , 2019, 27, 292-299.	2.1	78
12	A Comprehensive Review of Detection Methods for SARS-CoV-2. <i>Microorganisms</i> , 2021, 9, 232.	1.6	74
13	The Potential Applications of Hyaluronic Acid Hydrogels in Biomedicine. <i>Drug Research</i> , 2020, 70, 6-11.	0.7	69
14	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
15	Bioactive polymeric scaffolds for osteogenic repair and bone regenerative medicine. <i>Medicinal Research Reviews</i> , 2020, 40, 1833-1870.	5.0	63
16	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
17	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
18	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

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19	Stem Cell Therapy: Curcumin Does the Trick. <i>Phytotherapy Research</i> , 2019, 33, 2927-2937.	2.8	47
20	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
21	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
22	Magnetic nanoparticles: Applications in gene delivery and gene therapy. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 1-8.	1.9	44
23	A randomized trial of direct pulp capping in primary molars using <scp>MTA</scp> compared to 3Mixtatin: a novel pulp capping biomaterial. <i>International Journal of Paediatric Dentistry</i> , 2016, 26, 281-290.	1.0	42
24	Antimicrobial Efficacy of Mineral Trioxide Aggregate with and without Silver Nanoparticles. <i>Iranian Endodontic Journal</i> , 2013, 8, 166-70.	0.8	42
25	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
26	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
27	Phytochemicals impact on osteogenic differentiation of mesenchymal stem cells. <i>BioFactors</i> , 2020, 46, 874-893.	2.6	31
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	The effect of different mixing methods on the flow rate and compressive strength of mineral trioxide aggregate and calcium-enriched mixture. Iranian Endodontic Journal, 2015, 10, 55-8.	0.8	20
38	Laser-Casein phosphopeptide effect on remineralization of early enamel lesions in primary teeth. Journal of Clinical and Experimental Dentistry, 2015, 7, e261-e267.	0.5	17
39	Towards optimization of odonto/osteogenic bioengineering: in vitro comparison of simvastatin, sodium fluoride, melanocyte-stimulating hormone. In Vitro Cellular and Developmental Biology - Animal, 2017, 53, 502-512.	0.7	16
40	Towards osteogenic bioengineering of dental pulp stem induced by sodium fluoride on hydroxyapatite based biodegradable polymeric scaffold. Fibers and Polymers, 2017, 18, 1468-1477.	1.1	16
41	Bioengineering of Dental Pulp Stem Cells in a Microporous PNIPAAm-PLGA Scaffold. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 767-776.	1.8	15
42	Effect of the TiO ₂ nanoparticles on the selected physical properties of mineral trioxide aggregate. Journal of Clinical and Experimental Dentistry, 2017, 9, 0-0.	0.5	15
43	Bioactive hydrogel-based scaffolds for the regeneration of dental pulp tissue. Journal of Drug Delivery Science and Technology, 2021, 64, 102600.	1.4	15
44	An in vitro comparison of the antibacterial efficacy of triphala with different concentrations of sodium hypochlorite. Iranian Endodontic Journal, 2014, 9, 287-9.	0.8	15
45	Cell junctions and oral health. EXCLI Journal, 2019, 18, 317-330.	0.5	14
46	The effect of electromagnetic fields on survival and proliferation rate of dental pulp stem cells. Acta Odontologica Scandinavica, 2020, 78, 494-500.	0.9	13
47	Monitoring of drug resistance towards reducing the toxicity of pharmaceutical compounds: Past, present and future. Journal of Pharmaceutical and Biomedical Analysis, 2020, 186, 113265.	1.4	13
48	The Effect of Different Mixing Methods on the pH and Solubility of Mineral Trioxide Aggregate and Calcium-Enriched Mixture. Iranian Endodontic Journal, 2015, 10, 140-3.	0.8	13
49	Electrochemical immunoplatform to assist in the diagnosis of oral cancer through the determination of CYFRA 21.1 biomarker in human saliva samples: Preparation of a novel portable biosensor toward non-invasive diagnosis of oral cancer. Journal of Molecular Recognition, 2021, 34, e2932.	1.1	12
50	Antibacterial Effect of Two Nano Zinc Oxide Gel Preparations Compared to Calcium Hydroxide and Chlorhexidine Mixture. Iranian Endodontic Journal, 2018, 13, 305-311.	0.8	12
51	Radiographic evaluation of root canal fillings accomplished by undergraduate dental students. Iranian Endodontic Journal, 2015, 10, 127-30.	0.8	12
52	Application of Collagen and Mesenchymal Stem Cells in Regenerative Dentistry. Current Stem Cell Research and Therapy, 2022, 17, 606-620.	0.6	12
53	The Antibacterial Efficacy of Photo-Activated Disinfection, Chlorhexidine and Sodium Hypochlorite in Infected Root Canals: An in Vitro Study. Iranian Endodontic Journal, 2016, 11, 179-83.	0.8	11
54	Investigating the mutagenic effects of three commonly used pulpotomy agents using the ames test. Advanced Pharmaceutical Bulletin, 2015, 5, 121-5.	0.6	10

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55	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
56	Evaluation of Antibacterial Efficacy of Photodynamic Therapy vs. 2.5% NaOCl against E. faecalis-infected Root Canals Using Real-time PCR Technique. <i>Journal of Clinical and Experimental Dentistry</i> , 2017, 9, 0-0.	0.5	9
57	Effect of retreatment on the push-out bond strength of MTAbased and epoxy resin-based endodontic sealers. <i>Journal of Dental Research, Dental Clinics, Dental Prospects</i> , 2017, 11, 43-47.	0.4	8
58	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
59	Chemical binding of pyrrolidinyl peptide nucleic acid (<sc>acpcPNA</sc>) probe with <sc>AuNPs</sc> toward label-free monitoring of <sc>miRNA</sc>: A novel biosensing platform for biomedical analysis and POC diagnostics. <i>Journal of Molecular Recognition</i> , 2021, 34, e2893.	1.1	7
60	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
61	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
62	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
63	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
64	A new simulated plasma for assessing the solubility of mineral trioxide aggregate. <i>Iranian Endodontic Journal</i> , 2015, 10, 30-4.	0.8	5
65	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
66	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
67	Are referred inaccessible human primary molar teeth really inaccessible?. <i>Journal of Oral Science</i> , 2013, 55, 167-173.	0.7	3
68	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
69	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
70	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
71	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
72	Effect of Different Additives on Genotoxicity of Mineral Trioxide Aggregate. <i>Iranian Endodontic Journal</i> , 2018, 13, 37-41.	0.8	2

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73	Class III Restoration of Anterior Primary Teeth: In Vitro Retention Comparison of Conventional, Modified and Air-abrasion Treated Preparations. Journal of Dental Research, Dental Clinics, Dental Prospects, 2014, 8, 89-94.	0.4	1
74	Learned Lessons from the Research Activities of Tabriz University of Medical Sciences During COVID-19 Pandemic. Taá¹vÄ«-i SalÄmat, 2020, 11, 290-297.	0.0	0
75	Effect of RaCe, ProTaper, and V-Taper rotary systems on dentinal crack formation during endodontic treatment: An <i>in vitro</i> study. Journal of Dental Research, Dental Clinics, Dental Prospects, 2021, 15, 251-255.	0.4	0