

Maryam Rezai Rad

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

851
citations

567281

15
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

1486
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymeric scaffolds in tissue engineering: a literature review. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 431-459.	3.4	206
2	Application of selected scaffolds for bone tissue engineering: a systematic review. Oral and Maxillofacial Surgery, 2017, 21, 109-129.	1.3	75
3	Fabrication of a three-dimensional β -tricalcium-phosphate/gelatin containing chitosan-based nanoparticles for sustained release of bone morphogenetic protein-2: Implication for bone tissue engineering. Materials Science and Engineering C, 2017, 72, 481-491.	7.3	71
4	Egg shell-derived calcium phosphate/carbon dot nanofibrous scaffolds for bone tissue engineering: Fabrication and characterization. Materials Science and Engineering C, 2019, 100, 564-575.	7.3	57
5	<i>In vitro</i> effect of graphene structures as an osteoinductive factor in bone tissue engineering: A systematic review. Journal of Biomedical Materials Research - Part A, 2018, 106, 2284-2343.	4.0	56
6	Induced pluripotent stem cells as a new gateway for bone tissue engineering: A systematic review. Cell Proliferation, 2017, 50, .	5.3	43
7	Buccal Fat Pad as a Potential Source of Stem Cells for Bone Regeneration: A Literature Review. Stem Cells International, 2017, 2017, 1-13.	2.5	40
8	Polymeric hydroxyapatite-based scaffolds on dental pulp stem cell proliferation and differentiation. World Journal of Stem Cells, 2015, 7, 1215.	2.8	33
9	The role of dentin matrix protein 1 (DMP1) in regulation of osteogenic differentiation of rat dental follicle stem cells (DFSCs). Archives of Oral Biology, 2015, 60, 546-556.	1.8	28
10	Impact of Tissue Harvesting Sites on the Cellular Behaviors of Adipose-Derived Stem Cells: Implication for Bone Tissue Engineering. Stem Cells International, 2017, 2017, 1-9.	2.5	26
11	Improved bone regeneration through amniotic membrane loaded with buccal fat pad-derived MSCs as an adjuvant in maxillomandibular reconstruction. Journal of Cranio-Maxillo-Facial Surgery, 2019, 47, 1266-1273.	1.7	24
12	Fabrication of Decellularized Engineered Extracellular Matrix through Bioreactor-Based Environment for Bone Tissue Engineering. ACS Omega, 2020, 5, 31943-31956.	3.5	18
13	Investigation of cell-free poly lactic acid/nanoclay scaffolds prepared via thermally induced phase separation technique containing hydroxyapatite nanocarriers of erythropoietin for bone tissue engineering applications. Polymers for Advanced Technologies, 2021, 32, 670-680.	3.2	18
14	Buccal Fat Pad-Derived Stem Cells in Three-Dimensional Rehabilitation of Large Alveolar Defects: A Report of Two Cases. Journal of Oral Implantology, 2019, 45, 45-54.	1.0	17
15	Buccal fat pad-derived stem cells with anorganic bovine bone mineral scaffold for augmentation of atrophic posterior mandible: An exploratory prospective clinical study. Clinical Implant Dentistry and Related Research, 2019, 21, 292-300.	3.7	16
16	Computational modeling of media flow through perfusion-based bioreactors for bone tissue engineering. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2020, 234, 1397-1408.	1.8	14
17	Application of Bioreactors to Improve Functionality of Bone Tissue Engineering Constructs: A Systematic Review. Current Stem Cell Research and Therapy, 2017, 12, 564-599.	1.3	14
18	Comparison of osteogenic differentiation potential of induced pluripotent stem cells and buccal fat pad stem cells on 3D-printed HA/ β -TCP collagen-coated scaffolds. Cell and Tissue Research, 2021, 384, 403-421.	2.9	13

#	ARTICLE	IF	CITATIONS
19	Osteogenic differentiation of adipose-derived mesenchymal stem cells using 3D-Printed PDLLA/ β -TCP nanocomposite scaffolds. <i>Bioprinting</i> , 2021, 21, e00117.	5.8	10
20	Antibody-Mediated Osseous Regeneration for Bone Tissue Engineering in Canine Segmental Defects. <i>BioMed Research International</i> , 2018, 2018, 1-10.	1.9	9
21	Dental stem cell banking: Techniques and protocols. <i>Cell Biology International</i> , 2021, 45, 1851-1865.	3.0	9
22	Prefabrication technique by preserving a muscular pedicle from masseter muscle as an in vivo bioreactor for reconstruction of mandibular critical-sized bone defects in canine models. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 1675-1686.	3.4	9
23	3D Printed Composite Scaffolds in Bone Tissue Engineering: A Systematic Review. <i>Current Stem Cell Research and Therapy</i> , 2022, 17, 648-709.	1.3	8
24	Antibody Administration for Bone Tissue Engineering: A Systematic Review. <i>Current Stem Cell Research and Therapy</i> , 2018, 13, 292-315.	1.3	8
25	Periodontal Ligament Stem Cell Isolation Protocol: A Systematic Review. <i>Current Stem Cell Research and Therapy</i> , 2022, 17, 537-563.	1.3	6
26	Dental Stem Cells in Oral, Maxillofacial and Craniofacial Regeneration. <i>Pancreatic Islet Biology</i> , 2016, , 143-165.	0.3	4
27	Identification Osteogenic Signaling Pathways Following Mechanical Stimulation: A Systematic Review. <i>Current Stem Cell Research and Therapy</i> , 2022, 17, 772-792.	1.3	4
28	Effect of Mechanical Forces on the Behavior of Dental Stem Cells: A Scoping Review of In-Vitro Studies. <i>MCB Molecular and Cellular Biomechanics</i> , 2021, 18, 51-67.	0.7	3
29	Effect of metformin on the behavior of dental pulp stem cells cultured on freeze-dried bone allografts. <i>Dental and Medical Problems</i> , 2021, 58, 343-349.	2.0	3
30	Dental Tissues Originated Stem Cells for Tissue Regeneration. , 2021, , 9-33.		1
31	Modulated cementogenic genes upregulation in human buccal fat pad-derived stem cells by strontium-ranelate. <i>Gene Reports</i> , 2021, 23, 101056.	0.8	1