

Sahba Mobini

List of Publications by Year in descending order

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33
papers

1,114
citations

430754

18
h-index

395590

33
g-index

35
all docs

35
docs citations

35
times ranked

1787
citing authors

#	ARTICLE	IF	CITATIONS
1	Combining electrical stimulation and tissue engineering to treat large bone defects in a rat model. <i>Scientific Reports</i> , 2018, 8, 6307.	1.6	134
2	Tunable methacrylated hyaluronic acid-based hydrogels as scaffolds for soft tissue engineering applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 279-291.	2.1	97
3	<i>In vitro</i> effect of direct current electrical stimulation on rat mesenchymal stem cells. <i>PeerJ</i> , 2017, 5, e2821.	0.9	80
4	Fabrication and characterization of regenerated silk scaffolds reinforced with natural silk fibers for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 2392-2404.	2.1	77
5	Direct current electrical stimulation chamber for treating cells in vitro. <i>BioTechniques</i> , 2016, 60, 95-98.	0.8	67
6	Decellularized tissues as platforms for in vitro modeling of healthy and diseased tissues. <i>Acta Biomaterialia</i> , 2020, 111, 1-19.	4.1	60
7	Direct electrical stimulation enhances osteogenesis by inducing Bmp2 and Spp1 expressions from macrophages and preosteoblasts. <i>Biotechnology and Bioengineering</i> , 2019, 116, 3421-3432.	1.7	59
8	Tissue-Engineered Peripheral Nerve Interfaces. <i>Advanced Functional Materials</i> , 2018, 28, 1701713.	7.8	53
9	Advances in <i>ex vivo</i> models and lab-on-a-chip devices for neural tissue engineering. <i>Biomaterials</i> , 2019, 198, 146-166.	5.7	49
10	Title is missing!. <i>Journal of Medical and Biological Engineering</i> , 2013, 33, 207.	1.0	46
11	Recent advances in strategies for peripheral nerve tissue engineering. <i>Current Opinion in Biomedical Engineering</i> , 2017, 4, 134-142.	1.8	45
12	Synthesis and characterisation of gelatin-nano hydroxyapatite composite scaffolds for bone tissue engineering. <i>Advances in Applied Ceramics</i> , 2008, 107, 4-8.	0.6	34
13	Fabrication and characterization of nano-fibrous bilayer composite for skin regeneration application. <i>Methods</i> , 2016, 99, 3-12.	1.9	34
14	Chondrogenic Differentiation of Menstrual Blood-Derived Stem Cells on Nanofibrous Scaffolds. <i>Methods in Molecular Biology</i> , 2013, 1058, 149-169.	0.4	28
15	Evaluation of menstrual blood stem cells seeded in biocompatible <i>Bombyx mori</i> silk fibroin scaffold for cardiac tissue engineering. <i>Journal of Biomaterials Applications</i> , 2014, 29, 199-208.	1.2	26
16	Comparative repair capacity of knee osteochondral defects using regenerated silk fiber scaffolds and fibrin glue with/without autologous chondrocytes during 36 weeks in rabbit model. <i>Cell and Tissue Research</i> , 2016, 364, 559-572.	1.5	21
17	Development of sheep primordial follicles encapsulated in alginate or in ovarian tissue in fresh and vitrified samples. <i>Cryobiology</i> , 2016, 72, 100-105.	0.3	20
18	Efficient Wound Healing Using a Synthetic Nanofibrous Bilayer Skin Substitute in Murine Model. <i>Journal of Surgical Research</i> , 2020, 245, 31-44.	0.8	20

#	ARTICLE	IF	CITATIONS
19	Changes in the extracellular microenvironment and osteogenic responses of mesenchymal stem/stromal cells induced by in vitro direct electrical stimulation. <i>Journal of Tissue Engineering</i> , 2021, 12, 204173142097414.	2.3	20
20	Comparative evaluation of <i>in vivo</i> biocompatibility and biodegradability of regenerated silk scaffolds reinforced with/without natural silk fibers. <i>Journal of Biomaterials Applications</i> , 2016, 30, 793-809.	1.2	19
21	Effect of sintering temperature and cooling rate on the morphology, mechanical behavior and apatite-forming ability of a novel nanostructured magnesium calcium silicate scaffold prepared by a freeze casting method. <i>Journal of Materials Science</i> , 2014, 49, 1297-1305.	1.7	18
22	Construction and Use of an Electrical Stimulation Chamber for Enhancing Osteogenic Differentiation in Mesenchymal Stem/Stromal Cells In Vitro. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	17
23	Electrical Stimulation Changes Human Mesenchymal Stem Cells Orientation and Cytoskeleton Organization. <i>Journal of Biomaterials and Tissue Engineering</i> , 2017, 7, 829-833.	0.0	14
24	Microtopographical patterns promote different responses in fibroblasts and Schwann cells: A possible feature for neural implants. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 64-76.	2.1	13
25	Impact of integrated gastrointestinal nematode management training for U.S. goat and sheep producers. <i>Veterinary Parasitology</i> , 2014, 200, 271-275.	0.7	12
26	Tissue Engineering and Regenerative Medicine in Iran: Current State of Research and Future Outlook. <i>Molecular Biotechnology</i> , 2015, 57, 589-605.	1.3	12
27	Bioelectric Potential in Next-Generation Organoids: Electrical Stimulation to Enhance 3D Structures of the Central Nervous System. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	8
28	Comparative effectiveness of three-dimensional scaffold, differentiation media and co-culture with native cardiomyocytes to trigger in vitro cardiogenic differentiation of menstrual blood and bone marrow stem cells. <i>Biologicals</i> , 2018, 54, 13-21.	0.5	6
29	Extracellular Matrix Disparities in an Nkx2-5 Mutant Mouse Model of Congenital Heart Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 93.	1.1	6
30	Effects of Varied Stimulation Parameters on Adipose-Derived Stem Cell Response to Low-Level Electrical Fields. <i>Annals of Biomedical Engineering</i> , 2021, 49, 3401-3411.	1.3	6
31	Effects of nanostructuring on the electrochemical performance of metallic bioelectrodes. <i>Nanoscale</i> , 2022, 14, 3179-3190.	2.8	6
32	ROBUST AND SCALABLE TISSUE-ENGINEERED ELECTRONIC NERVE INTERFACES (TEENI). , 2018, , .		3
33	Neural Interfaces: Tissue Engineered Peripheral Nerve Interfaces (Adv. Funct. Mater. 12/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870076.	7.8	1