Behnaz Bakhshandeh

List of Publications by Year
in descending order

42 papers	1,686 citations	331670 21 h-index	289244 40 g-index
42 all docs	42 docs citations	42 times ranked	2496 citing authors

#	Article	IF	Citations
1	Phosphopeptide analysis by positive and negative ion matrixâ€assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 1593-1599.	1.5	215
2	A Novel Electroactive Agarose-Aniline Pentamer Platform as a Potential Candidate for Neural Tissue Engineering. Scientific Reports, 2017, 7, 17187.	3.3	133
3	Tissue engineering; strategies, tissues, and biomaterials. Biotechnology and Genetic Engineering Reviews, 2017, 33, 144-172.	6.2	133
4	Chitosan-PVA-CNT nanofibers as electrically conductive scaffolds for cardiovascular tissue engineering. International Journal of Biological Macromolecules, 2019, 140, 278-287.	7.5	127
5	Oligoaniline-based conductive biomaterials for tissue engineering. Acta Biomaterialia, 2018, 72, 16-34.	8.3	119
6	Mutations in SARS-CoV-2; Consequences in structure, function, and pathogenicity of the virus. Microbial Pathogenesis, 2021, 154, 104831.	2.9	92
7	Variants in ACE2; potential influences on virus infection and COVID-19 severity. Infection, Genetics and Evolution, 2021, 90, 104773.	2.3	72
8	Synergistic effects of conductive PVA/PEDOT electrospun scaffolds and electrical stimulation for more effective neural tissue engineering. European Polymer Journal, 2020, 140, 110051.	5.4	57
9	Effective combination of aligned nanocomposite nanofibers and human unrestricted somatic stem cells for bone tissue engineering. Acta Pharmacologica Sinica, 2011, 32, 626-636.	6.1	49
10	Mesenchymal stem cells as an appropriate feeder layer for prolonged in vitro culture of human induced pluripotent stem cells. Molecular Biology Reports, 2013, 40, 3023-3031.	2.3	47
11	MicroRNA signature associated with osteogenic lineage commitment. Molecular Biology Reports, 2012, 39, 7569-7581.	2.3	46
12	Concurrent application of conductive biopolymeric chitosan/ polyvinyl alcohol/ MWCNTs nanofibers, intracellular signaling manipulating molecules and electrical stimulation for more effective cardiac tissue engineering. Materials Chemistry and Physics, 2021, 258, 123842.	4.0	42
13	Down-regulation of miRNA-221 triggers osteogenic differentiation in human stem cells. Biotechnology Letters, 2012, 34, 1579-1587.	2.2	41
14	A microRNA signature associated with chondrogenic lineage commitment. Journal of Genetics, 2012, 91, 171-182.	0.7	40
15	A comparative study on nonviral genetic modifications in cord blood and bone marrow mesenchymal stem cells. Cytotechnology, 2012, 64, 523-540.	1.6	39
16	A Comprehensive Review on Exosomes and Microvesicles as Epigenetic Factors. Current Stem Cell Research and Therapy, 2016, 12, 31-36.	1.3	39
17	miR-17-92 cluster: an apoptosis inducer or proliferation enhancer. Molecular and Cellular Biochemistry, 2013, 380, 229-238.	3.1	29
18	A review on advances in the applications of spider silk in biomedical issues. International Journal of Biological Macromolecules, 2021, 192, 258-271.	7.5	29

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19	Sequential application of mineralized electroconductive scaffold and electrical stimulation for efficient osteogenesis. Journal of Biomedical Materials Research - Part A, 2018, 106, 1200-1210.	4.0	27
20	Functional synergy of anti-mir221 and nanohydroxyapatite scaffold in bone tissue engineering of rat skull. Journal of Materials Science: Materials in Medicine, 2016, 27, 132.	3.6	26
21	Evaluation of cationic dendrimer and lipid as transfection reagents of short RNAs for stem cell modification. International Journal of Pharmaceutics, 2013, 448, 231-238.	5.2	23
22	A Novel Protocol to Differentiate Induced Pluripotent Stem Cells by Neuronal microRNAs to Provide a Suitable Cellular Model. Chemical Biology and Drug Design, 2015, 86, 232-238.	3.2	23
23	Effects of miR-21 downregulation and silibinin treatment in breast cancer cell lines. Cytotechnology, 2017, 69, 667-680.	1.6	21
24	Enhanced chondrogenic differentiation of human bone marrow mesenchymal stem cells on PCL/PLGA electrospun with different alignments and compositions. International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 50-60.	3.4	20
25	Exploring the enkephalinergic differentiation potential in adult stem cells for cell therapy and drug screening implications. In Vitro Cellular and Developmental Biology - Animal, 2012, 48, 562-569.	1.5	19
26	Mechanical Characteristics of Electrospun Aligned PCL/PLLA Nanofibrous Scaffolds Conduct Cell Differentiation in Human Bladder Tissue Engineering. Journal of Nanoscience and Nanotechnology, 2013, 13, 4736-4743.	0.9	19
27	Effective combination of hydrostatic pressure and aligned nanofibrous scaffolds on human bladder smooth muscle cells: implication for bladder tissue engineering. Journal of Materials Science: Materials in Medicine, 2012, 23, 2281-2290.	3.6	18
28	New analytical methods using carbon-based nanomaterials for detection of Salmonella species as a major food poisoning organism in water and soil resources. Chemosphere, 2022, 287, 132243.	8.2	18
29	TCF4 silencing sensitizes the colon cancer cell line to oxaliplatin as a common chemotherapeutic drug. Anti-Cancer Drugs, 2014, 25, 908-916.	1.4	17
30	Comparative Evaluation of Silibinin Effects on Cell Cycling and Apoptosis in Human Breast Cancer MCF-7 and T47D Cell Lines. Asian Pacific Journal of Cancer Prevention, 2016, 17, 2661-5.	1.2	17
31	MicroRNAs as Markers for Neurally Committed CD133+/CD34+ÂStem Cells Derived from Human Umbilical Cord Blood. Biochemical Genetics, 2013, 51, 175-188.	1.7	15
32	Expansion of Human Pluripotent Stem Cell-derived Early Cardiovascular Progenitor Cells by a Cocktail of Signaling Factors. Scientific Reports, 2019, 9, 16006.	3.3	15
33	Enhanced osteogenesis of gelatin-halloysite nanocomposite scaffold mediated by loading strontium ranelate. International Journal of Polymeric Materials and Polymeric Biomaterials, 2021, 70, 392-402.	3.4	15
34	Capability of core-sheath polyvinyl alcoholâ€“polycaprolactone emulsion electrospun nanofibrous scaffolds in releasing strontium ranelate for bone regeneration. Biomedical Materials (Bristol), 2021, 16, 025009.	3.3	13
35	Bio - Conductive Scaffold Based on Agarose - Polyaniline for Tissue Engineering. Journal of Skin and Stem Cell, 2017, In Press, .	0.2	9
36	The proliferation study of hips cell-derived neuronal progenitors on poly-caprolactone scaffold. Basic and Clinical Neuroscience, 2014, 5, 117-23.	0.6	8

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37	Establishment of A Protocol for In Vitro Culture of Cardiogenic Mesodermal Cells Derived from Human Embryonic Stem Cells. Cell Journal, 2019, 20, 496-504.	0.2	5
38	A novel protocol to provide a suitable cardiac model from induced pluripotent stem cells. Biologicals, 2017, 50, 42-48.	1.4	4
39	Prediction of putative small molecules for manipulation of enriched signalling pathways in hESC-derived early cardiovascular progenitors by bioinformatics analysis. IET Systems Biology, 2019, 13, 77-83.	1.5	2
40	Production of Soluble and Functional Anti-TNF-Î± Fab' Fragment in Cytoplasm of E. coli: Investigating the Effect of Process Conditions on Cellular Biomass and Protein Yield Using Response Surface Methodology. Protein Journal, 2021, 40, 786-798.	1.6	2
41	MicroRNA Modulation during the Culture of Hematopoietic Stem Cells Prior to Transplantation. Iranian Journal of Medical Sciences, 2017, 42, 40-47.	0.4	1
42	THE FUTURE OF BIOPHARMACEUTICS' PRODUCTION. , 2009, , .		0