

Nooshin Haghighipour

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

1,041
citations

394286

19
h-index

477173

29
g-index

65
all docs

65
docs citations

65
times ranked

1675
citing authors

#	ARTICLE	IF	CITATIONS
1	Introduction of an efficient method for placenta decellularization with high potential to preserve ultrastructure and support cell attachment. <i>Artificial Organs</i> , 2022, 46, 375-386.	1.0	7
2	Development of Delivery Systems Enhances the Potency of Cell-Based HIV-1 Therapeutic Vaccine Candidates. <i>Journal of Immunology Research</i> , 2021, 2021, 1-12.	0.9	3
3	Finite Element Analysis of the Effects of Microgravity Conditions on Shear-Induced Modulation of Stem Cells. , 2021, , .		0
4	Evaluation of alginate modification effect on cell-matrix interaction, mechanotransduction and chondrogenesis of encapsulated MSCs. <i>Cell and Tissue Research</i> , 2020, 381, 255-272.	1.5	10
5	Fabrication and physicochemical characterization of a novel magnetic nanocomposite scaffold: Electromagnetic field effect on biological properties. <i>Materials Science and Engineering C</i> , 2020, 116, 111222.	3.8	11
6	Simultaneous effects of hydrostatic pressure and dexamethasone release from electrospun fibers on inflammation-induced chondrocytes. <i>European Polymer Journal</i> , 2019, 118, 244-253.	2.6	6
7	Efficacy of mechanical vibration in regulating mesenchymal stem cells gene expression. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2019, 55, 387-394.	0.7	9
8	An investigation into osteogenic differentiation effects of silk fibroin-nettle (<i>Urtica dioica</i> L.) nanofibers. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 795-803.	3.6	26
9	Graphene oxide incorporated polycaprolactone/chitosan/collagen electrospun scaffold: Enhanced osteogenic properties for bone tissue engineering. <i>Artificial Organs</i> , 2019, 43, E264-E281.	1.0	69
10	Effects of stretching on molecular transfer from cell membrane by forming pores. <i>Soft Materials</i> , 2019, 17, 391-399.	0.8	3
11	Modified DCs and MSCs with HPV E7 antigen and small Hsps: Which one is the most potent strategy for eradication of tumors?. <i>Molecular Immunology</i> , 2019, 108, 102-110.	1.0	20
12	Induction of Chondrogenic Differentiation in Human Mesenchymal Stem Cells Cultured on Human Demineralized Bone Matrix Scaffold under Hydrostatic Pressure. <i>Tissue Engineering and Regenerative Medicine</i> , 2019, 16, 69-80.	1.6	20
13	Combination of Mechanical and Chemical Methods Improves Gene Delivery in Cell-based HIV Vaccines. <i>Current Drug Delivery</i> , 2019, 16, 818-828.	0.8	6
14	Mechanical and Chemical Predifferentiation of Mesenchymal Stem Cells Into Cardiomyocytes and Their Effectiveness on Acute Myocardial Infarction. <i>Artificial Organs</i> , 2018, 42, E114-E126.	1.0	11
15	Delivery of molecular cargoes in normal and cancer cell lines using non-viral delivery systems. <i>Biotechnology Letters</i> , 2018, 40, 923-931.	1.1	10
16	Morphology and contractile gene expression of adipose-derived mesenchymal stem cells in response to short-term cyclic uniaxial strain and TGF- β 1. <i>Biomedizinische Technik</i> , 2018, 63, 317-326.	0.9	10
17	Enhanced gene delivery in tumor cells using chemical carriers and mechanical loadings. <i>PLoS ONE</i> , 2018, 13, e0209199.	1.1	5
18	Effect of equiaxial cyclic strain on cardiomyogenic induction in mesenchymal stem cells. <i>Progress in Biomaterials</i> , 2018, 7, 279-288.	1.8	1

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19	Biocompatibility and bioactivity behaviour of coelectrospun silk fibroin/hydroxyapatite nanofibres using formic acid. <i>Micro and Nano Letters</i> , 2018, 13, 709-713.	0.6	4
20	Stress phase angle regulates differentiation of human adipose-derived stem cells toward endothelial phenotype. <i>Progress in Biomaterials</i> , 2018, 7, 121-131.	1.8	8
21	Numerical modelling of a spheroid living cell membrane under hydrostatic pressure. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 083501.	0.9	6
22	Preparation and characterization of novel functionalized multiwalled carbon nanotubes/chitosan/ β -2-Glycerophosphate scaffolds for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2017, 97, 365-372.	3.6	97
23	The stability evaluation of mesenchymal stem cells differentiation toward endothelial cells by chemical and mechanical stimulation. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2017, 53, 818-826.	0.7	14
24	Computational simulation of static/cyclic cell stimulations to investigate mechanical modulation of an individual mesenchymal stem cell using confocal microscopy. <i>Materials Science and Engineering C</i> , 2017, 70, 494-504.	3.8	10
25	Effects of Electromagnetic Stimulation on Gene Expression of Mesenchymal Stem Cells and Repair of Bone Lesions. <i>Cell Journal</i> , 2017, 19, 34-44.	0.2	16
26	Effect of Extremely Low Frequency Electromagnetic Field on MAP2 and Nestin Gene Expression of Hair Follicle Dermal Papilla Cells. <i>International Journal of Artificial Organs</i> , 2016, 39, 294-299.	0.7	4
27	Fluid-Structure Interactions Analysis of Shear-Induced Modulation of a Mesenchymal Stem Cell: An Image-Based Study. <i>Artificial Organs</i> , 2016, 40, 278-287.	1.0	7
28	Mathematical modeling of cell growth in a 3D scaffold and validation of static and dynamic cultures. <i>Engineering in Life Sciences</i> , 2016, 16, 290-298.	2.0	10
29	How direct electrospinning in methanol bath affects the physicochemical and biological properties of silk fibroin nanofibrous scaffolds. <i>Micro and Nano Letters</i> , 2016, 11, 514-517.	0.6	17
30	Optimization of electrical stimulation parameters for MG-63 cell proliferation on chitosan/functionalized multiwalled carbon nanotube films. <i>RSC Advances</i> , 2016, 6, 109902-109915.	1.7	24
31	Extremely Low Frequency Electromagnetic Field in Mesenchymal Stem Cells Gene Regulation: Chondrogenic Markers Evaluation. <i>Artificial Organs</i> , 2016, 40, 929-937.	1.0	16
32	Regulation of Endothelial Cell Adherence and Elastic Modulus by Substrate Stiffness. <i>Cell Communication and Adhesion</i> , 2015, 22, 79-89.	1.0	52
33	The Synergistic Effects of Shear Stress and Cyclic Hydrostatic Pressure Modulate Chondrogenic Induction of Human Mesenchymal Stem Cells. <i>International Journal of Artificial Organs</i> , 2015, 38, 557-564.	0.7	30
34	Mechanical characterization of human mesenchymal stem cells subjected to cyclic uniaxial strain and TGF- β 1. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 43, 18-25.	1.5	26
35	Comparative analysis of effects of cyclic uniaxial and equiaxial stretches on gene expression of human umbilical vein endothelial cells. <i>Cell Biology International</i> , 2015, 39, 741-749.	1.4	6
36	Nitric oxide secretion by endothelial cells in response to fluid shear stress, aspirin, and temperature. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 1231-1237.	2.1	32

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37	Evaluation of Mechanical and Chemical Stimulations on Osteocalcin and Runx2 Expression in Mesenchymal Stem Cells. MCB Molecular and Cellular Biomechanics, 2015, 12, 197-213.	0.3	5
38	Effects of Hydrostatic Pressure on Biosynthetic Activity during Chondrogenic Differentiation of MSCs in Hybrid Scaffolds. International Journal of Artificial Organs, 2014, 37, 142-148.	0.7	25
39	EFFECTS OF SHORT-TERM CYCLIC HYDROSTATIC PRESSURE ON INITIATING AND ENHANCING THE EXPRESSION OF CHONDROGENIC GENES IN HUMAN ADIPOSE-DERIVED MESENCHYMAL STEM CELLS. Journal of Mechanics in Medicine and Biology, 2014, 14, 1450054.	0.3	10
40	Applying shear stress to endothelial cells in a new perfusion chamber: hydrodynamic analysis. Journal of Artificial Organs, 2014, 17, 329-336.	0.4	14
41	Mechanical modulation study of an adipose-derived mesenchymal stem cell under pressure loading: A numerical investigation on cell engineering. , 2014, , .		1
42	Comparing the effect of equiaxial cyclic mechanical stimulation on GATA4 expression in adiposeâ€derived and bone marrowâ€derived mesenchymal stem cells. Cell Biology International, 2014, 38, 219-227.	1.4	16
43	Alteration of human umbilical vein endothelial cell gene expression in different biomechanical environments. Cell Biology International, 2014, 38, 577-581.	1.4	20
44	Superparamagnetic Nanoparticles Direct Differentiation of Embryonic Stem Cells Into Skeletal Muscle Cells. Journal of Biomaterials and Tissue Engineering, 2014, 4, 579-585.	0.0	14
45	Influence of Cyclic Stretch on Mechanical Properties of Endothelial Cells. Experimental Mechanics, 2013, 53, 1291-1298.	1.1	19
46	CFD study of mesenchymal stem cells in fluid flow. , 2013, , .		2
47	Engineering Parameters in Bioreactorâ€™s Design: A Critical Aspect in Tissue Engineering. BioMed Research International, 2013, 2013, 1-15.	0.9	72
48	Effects of Mechanical and Chemical Stimuli on Differentiation of Human Adipose-Derived Stem Cells into Endothelial Cells. International Journal of Artificial Organs, 2013, 36, 663-673.	0.7	25
49	Essential Functionality of Endometrial and Adipose Stem Cells in Normal and Mechanically Motivated Conditions. Journal of Biomaterials and Tissue Engineering, 2013, 3, 581-588.	0.0	4
50	The Influence of Cyclic and Uniform Shear Stresses Concurrent with Cyclic Stretch on the Gene Expression of Human Umbilical Vein Endothelial Cells. Journal of Biomaterials and Tissue Engineering, 2013, 3, 673-678.	0.0	3
51	Comparison of osteogenic medium and uniaxial strain on differentiation of endometrial stem cells. Dental Research Journal, 2013, 10, 190.	0.2	11
52	Intermittent Hydrostatic Pressure Enhances Growth Factorâ€Induced Chondroinduction of Human Adiposeâ€Derived Mesenchymal Stem Cells. Artificial Organs, 2012, 36, 1065-1071.	1.0	30
53	Effect of hydrostatic pressure amplitude on chondrogenic differentiation of human adipose derived mesenchymal stem cells. , 2012, , .		2
54	Differential effects of cyclic uniaxial stretch on human mesenchymal stem cell into skeletal muscle cell. Cell Biology International, 2012, 36, 669-675.	1.4	28

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55	Relationship Between Cell Compatibility and Elastic Modulus of Silicone Rubber/Organoclay Nanobiocomposites. Jundishapur Journal of Natural Pharmaceutical Products, 2012, 7, 65-70.	0.3	4
56	Relationship between Cell Compatibility and Elastic Modulus of Silicone Rubber/Organoclay Nanobiocomposites. Jundishapur Journal of Natural Pharmaceutical Products, 2012, 7, 65-70.	0.3	1
57	Healing potential of mesenchymal stem cells cultured on a collagen-based scaffold for skin regeneration. Iranian Biomedical Journal, 2012, 16, 68-76.	0.4	32
58	Effect of Tensile Strain and Shear Stress on the Differentiation of Human Mesenchymal Stem Cells into Endothelial Cells. , 2012, , .		0
59	Relationship between cell compatibility and elastic modulus of silicone rubber/organoclay nanobiocomposites. Jundishapur Journal of Natural Pharmaceutical Products, 2012, 7, 65-70.	0.3	2
60	The evaluation of cyclic uniaxial strain on myogenic differentiation of adipose-derived stem cells. Tissue and Cell, 2011, 43, 359-366.	1.0	39
61	Effects of Cyclic Stretch Waveform on Endothelial Cell Morphology Using Fractal Analysis. Artificial Organs, 2010, 34, 481-490.	1.0	32
62	Residual stress distribution in a lamellar model of the arterial wall. Journal of Medical Engineering and Technology, 2010, 34, 422-428.	0.8	8
63	Topological remodeling of cultured endothelial cells by characterized cyclic strains. MCB Molecular and Cellular Biomechanics, 2007, 4, 189-99.	0.3	10
64	Preparation of Poly(vinyl alcohol)/Chitosan-Blended Hydrogels: Properties, <i>In Vitro</i> Studies and Kinetic Evaluation. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 15, 63-72.	0.7	6