

# Masoud Soleimani

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93  
papers

4,842  
citations

38  
h-index

67  
g-index

93  
ext. papers

5,303  
ext. citations

4.5  
avg, IF

5.67  
L-index

#	Paper	IF	Citations
93	A protocol for isolation and culture of mesenchymal stem cells from mouse bone marrow. <i>Nature Protocols</i> , <b>2009</b> , 4, 102-6	18.8	593
92	Improvement of liver function in liver cirrhosis patients after autologous mesenchymal stem cell injection: a phase I-II clinical trial. <i>European Journal of Gastroenterology and Hepatology</i> , <b>2009</b> , 21, 1199-205	2.2	343
91	Advances in skin regeneration: application of electrospun scaffolds. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 1114-33	10.1	171
90	Sinus augmentation using human mesenchymal stem cells loaded into a beta-tricalcium phosphate/hydroxyapatite scaffold. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , <b>2008</b> , 106, 203-9		145
89	Nanohydroxyapatite-coated electrospun poly(L-lactide) nanofibers enhance osteogenic differentiation of stem cells and induce ectopic bone formation. <i>Biomacromolecules</i> , <b>2010</b> , 11, 3118-25	6.9	141
88	An efficient method for isolation of murine bone marrow mesenchymal stem cells. <i>International Journal of Developmental Biology</i> , <b>2007</b> , 51, 723-9	1.9	129
87	In vitro cardiomyogenic potential of human umbilical vein-derived mesenchymal stem cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 340, 639-47	3.4	127
86	A comparison between osteogenic differentiation of human unrestricted somatic stem cells and mesenchymal stem cells from bone marrow and adipose tissue. <i>Biotechnology Letters</i> , <b>2011</b> , 33, 1257-64	3	120
85	Polyurethane/polycaprolactane blend with shape memory effect as a proposed material for cardiovascular implants. <i>Acta Biomaterialia</i> , <b>2009</b> , 5, 1519-30	10.8	120
84	Repair of alveolar cleft defect with mesenchymal stem cells and platelet derived growth factors: a preliminary report. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , <b>2012</b> , 40, 2-7	3.6	116
83	Nanofiber-based polyelectrolytes as novel membranes for fuel cell applications. <i>Journal of Membrane Science</i> , <b>2011</b> , 368, 233-240	9.6	115
82	The effects of low-level laser irradiation on differentiation and proliferation of human bone marrow mesenchymal stem cells into neurons and osteoblasts--an in vitro study. <i>Lasers in Medical Science</i> , <b>2012</b> , 27, 423-30	3.1	110
81	Biochemical and molecular characterization of hepatocyte-like cells derived from human bone marrow mesenchymal stem cells on a novel three-dimensional biocompatible nanofibrous scaffold. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , <b>2009</b> , 24, 278-87	4	107
80	Immunomodulatory effects of mesenchymal stem cell-derived exosomes on experimental type-1 autoimmune diabetes. <i>Journal of Cellular Biochemistry</i> , <b>2018</b> , 119, 9433-9443	4.7	106
79	Electrospun nanofiber-based regeneration of cartilage enhanced by mesenchymal stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2011</b> , 99, 467-78	5.4	105
78	New approach to bone tissue engineering: simultaneous application of hydroxyapatite and bioactive glass coated on a poly(L-lactic acid) scaffold. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 4518-24	9.5	95
77	PLGA/gelatin hybrid nanofibrous scaffolds encapsulating EGF for skin regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2015</b> , 103, 2225-35	5.4	89

76	Secondary repair of alveolar clefts using human mesenchymal stem cells. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , <b>2009</b> , 108, e1-6		85
75	Improved infiltration of stem cells on electrospun nanofibers. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 382, 129-33	3.4	82
74	A biosynthetic nerve guide conduit based on silk/SWNT/fibronectin nanocomposite for peripheral nerve regeneration. <i>PLoS ONE</i> , <b>2013</b> , 8, e74417	3.7	78
73	In vitro differentiation of human cord blood-derived unrestricted somatic stem cells into hepatocyte-like cells on poly(epsilon-caprolactone) nanofiber scaffolds. <i>Cells Tissues Organs</i> , <b>2009</b> , 190, 135-49	2.1	71
72	Nanofiber-based polyethersulfone scaffold and efficient differentiation of human induced pluripotent stem cells into osteoblastic lineage. <i>Molecular Biology Reports</i> , <b>2013</b> , 40, 4287-94	2.8	70
71	Enhanced reconstruction of rat calvarial defects achieved by plasma-treated electrospun scaffolds and induced pluripotent stem cells. <i>Cell and Tissue Research</i> , <b>2013</b> , 354, 849-60	4.2	66
70	The promotion of stemness and pluripotency following feeder-free culture of embryonic stem cells on collagen-grafted 3-dimensional nanofibrous scaffold. <i>Biomaterials</i> , <b>2011</b> , 32, 7363-74	15.6	63
69	Accelerated epidermal regeneration and improved dermal reconstruction achieved by polyethersulfone nanofibers. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 3527-36	3.9	60
68	BMP4 can generate primordial germ cells from bone-marrow-derived pluripotent stem cells. <i>Cell Biology International</i> , <b>2012</b> , 36, 1185-93	4.5	54
67	The effect of topography on differentiation fates of matrigel-coated mouse embryonic stem cells cultured on PLGA nanofibrous scaffolds. <i>Tissue Engineering - Part A</i> , <b>2012</b> , 18, 609-20	3.9	52
66	Enhanced osteogenic differentiation of cord blood-derived unrestricted somatic stem cells on electrospun nanofibers. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2011</b> , 22, 165-74	4.5	48
65	Safety and possible outcome assessment of autologous Schwann cell and bone marrow mesenchymal stromal cell co-transplantation for treatment of patients with chronic spinal cord injury. <i>Cytotherapy</i> , <b>2013</b> , 15, 782-91	4.8	47
64	In vitro differentiation of cord blood unrestricted somatic stem cells expressing dopamine-associated genes into neuron-like cells. <i>Cell Biology International</i> , <b>2007</b> , 31, 299-303	4.5	47
63	Controlled release of rhEGF and rhbFGF from electrospun scaffolds for skin regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2015</b> , 103, 3374-85	5.4	45
62	Effective combination of aligned nanocomposite nanofibers and human unrestricted somatic stem cells for bone tissue engineering. <i>Acta Pharmacologica Sinica</i> , <b>2011</b> , 32, 626-36	8	45
61	Cellular infiltration on nanofibrous scaffolds using a modified electrospinning technique. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 423, 50-4	3.4	44
60	Mesenchymal stem cells from trabecular meshwork become photoreceptor-like cells on amniotic membrane. <i>Neuroscience Letters</i> , <b>2013</b> , 541, 43-8	3.3	43
59	Function of poly (lactic-co-glycolic acid) nanofiber in reduction of adhesion bands. <i>Journal of Surgical Research</i> , <b>2012</b> , 172, e1-9	2.5	42

58	Enhanced infiltration and biomineralization of stem cells on collagen-grafted three-dimensional nanofibers. <i>Tissue Engineering - Part A</i> , <b>2011</b> , 17, 1209-18	3.9	42
57	Hepatic differentiation from human mesenchymal stem cells on a novel nanofiber scaffold. <i>Cellular and Molecular Biology Letters</i> , <b>2012</b> , 17, 89-106	8.1	40
56	Isolation murine mesenchymal stem cells by positive selection. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2007</b> , 43, 276-82	2.6	40
55	Shape memory characterization of poly( $\epsilon$ -aprolactone) (PCL)/polyurethane (PU) in combined torsion-tension loading with potential applications in cardiovascular stent. <i>Polymer Testing</i> , <b>2018</b> , 68, 424-432	4.5	34
54	Hepatogenic differentiation of mesenchymal stem cells induced by insulin like growth factor-I. <i>World Journal of Stem Cells</i> , <b>2011</b> , 3, 113-21	5.6	34
53	L. inermis-loaded nanofibrous scaffolds for wound dressing applications. <i>Tissue and Cell</i> , <b>2018</b> , 51, 32-38	2.7	32
52	Coating of electrospun poly(lactic-co-glycolic acid) nanofibers with willemite bioceramic: improvement of bone reconstruction in rat model. <i>Cell Biology International</i> , <b>2014</b> , 38, 1271-9	4.5	32
51	Evaluation and comparison of the in vitro characteristics and chondrogenic capacity of four adult stem/progenitor cells for cartilage cell-based repair. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2016</b> , 104, 600-610	5.4	32
50	Enhanced chondrogenesis of human nasal septum derived progenitors on nanofibrous scaffolds. <i>Materials Science and Engineering C</i> , <b>2014</b> , 40, 445-54	8.3	31
49	Nanotopographical cues of electrospun PLLA efficiently modulate non-coding RNA network to osteogenic differentiation of mesenchymal stem cells during BMP signaling pathway. <i>Materials Science and Engineering C</i> , <b>2018</b> , 93, 686-703	8.3	30
48	The similar effect of transplantation of marrow-derived mesenchymal stem cells with or without prior differentiation induction in experimental myocardial infarction. <i>Journal of Biomedical Science</i> , <b>2007</b> , 14, 745-55	13.3	30
47	Bioceramic-collagen scaffolds loaded with human adipose-tissue derived stem cells for bone tissue engineering. <i>Molecular Biology Reports</i> , <b>2014</b> , 41, 741-9	2.8	28
46	Protein encapsulated in electrospun nanofibrous scaffolds for tissue engineering applications. <i>Polymer International</i> , <b>2013</b> , 62, 1250-1256	3.3	27
45	Ion-exchange polymer nanofibers for enhanced osteogenic differentiation of stem cells and ectopic bone formation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 72-82	9.5	25
44	Insulin-like growth factor 1 (IGF-I) improves hepatic differentiation of human bone marrow-derived mesenchymal stem cells. <i>Cell Biology International</i> , <b>2011</b> , 35, 1169-76	4.5	25
43	Neurogenic differentiation of human conjunctiva mesenchymal stem cells on a nanofibrous scaffold. <i>International Journal of Developmental Biology</i> , <b>2010</b> , 54, 1295-300	1.9	25
42	Lateral Ramus Cortical Bone Plate in Alveolar Cleft Osteoplasty with Concomitant Use of Buccal Fat Pad Derived Cells and Autogenous Bone: Phase I Clinical Trial. <i>BioMed Research International</i> , <b>2017</b> , 2017, 6560234	3	24
41	EGF-loaded nanofibrous scaffold for skin tissue engineering applications. <i>Fibers and Polymers</i> , <b>2015</b> , 16, 782-787	2	23

40	The effect of nanofibre-based polyethersulfone (PES) scaffold on the chondrogenesis of human induced pluripotent stem cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, 1948-1956	6.1	23
39	ADSCs on PLLA/PCL Hybrid Nanoscaffold and Gelatin Modification: Cytocompatibility and Mechanical Properties. <i>Avicenna Journal of Medical Biotechnology</i> , <b>2015</b> , 7, 32-8	1.4	23
38	Immunomodulatory and protective effects of adipose tissue-derived mesenchymal stem cells in an allograft islet composite transplantation for experimental autoimmune type 1 diabetes. <i>Immunology Letters</i> , <b>2017</b> , 188, 21-31	4.1	20
37	The applications of heparin in vascular tissue engineering. <i>Microvascular Research</i> , <b>2020</b> , 131, 104027	3.7	20
36	Mechanical characteristics of electrospun aligned PCL/PLLA nanofibrous scaffolds conduct cell differentiation in human bladder tissue engineering. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 4736-43	1.3	18
35	The aggregate nature of human mesenchymal stromal cells in native bone marrow. <i>Cytotherapy</i> , <b>2012</b> , 14, 917-24	4.8	18
34	Evaluation of AD-MSC (adipose-derived mesenchymal stem cells) as a vehicle for IFN- $\beta$ delivery in experimental autoimmune encephalomyelitis. <i>Clinical Immunology</i> , <b>2016</b> , 169, 98-106	9	18
33	Enhancement of stem cell differentiation to osteogenic lineage on hydroxyapatite-coated hybrid PLGA/gelatin nanofiber scaffolds. <i>Biologicals</i> , <b>2016</b> , 44, 511-516	1.8	18
32	Biomimetic scaffolds containing nanofibers coated with willemite nanoparticles for improvement of stem cell osteogenesis. <i>Materials Science and Engineering C</i> , <b>2016</b> , 62, 398-406	8.3	17
31	Ultrastructural maturation of human bone marrow mesenchymal stem cells-derived cardiomyocytes under alternative induction of 5-azacytidine. <i>Cell Biology International</i> , <b>2015</b> , 39, 519-30	4.5	17
30	The Effects of Plasma Treated Electrospun Nanofibrous Poly ( $\epsilon$ -caprolactone) Scaffolds with Different Orientations on Mouse Embryonic Stem Cell Proliferation. <i>Cell Journal</i> , <b>2014</b> , 16, 245-54	2.4	17
29	Ankylosing spondylitis and mesenchymal stromal/stem cell therapy: a new therapeutic approach. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 109, 1196-1205	7.5	17
28	Isolation, characterization, and mesodermic differentiation of stem cells from adipose tissue of camel ( <i>Camelus dromedarius</i> ). <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2013</b> , 49, 147-54	2.6	16
27	Evaluation of cationic dendrimer and lipid as transfection reagents of short RNAs for stem cell modification. <i>International Journal of Pharmaceutics</i> , <b>2013</b> , 448, 231-8	6.5	16
26	Human endometrial stem cells differentiation into functional hepatocyte-like cells. <i>Cell Biology International</i> , <b>2014</b> , 38, 825-34	4.5	16
25	Enhanced chondrogenic differentiation of human bone marrow mesenchymal stem cells on PCL/PLGA electrospun with different alignments and compositions. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2018</b> , 67, 50-60	3	15
24	Novel approach to reduce postsurgical adhesions to a minimum: administration of losartan plus atorvastatin intraperitoneally. <i>Journal of Surgical Research</i> , <b>2013</b> , 181, 91-8	2.5	15
23	Surface expression of CXCR4 in unrestricted somatic stem cells and its regulation by growth factors. <i>Cell Biology International</i> , <b>2010</b> , 34, 687-92	4.5	15

22	Cells, Scaffolds and Their Interactions in Myocardial Tissue Regeneration. <i>Journal of Cellular Biochemistry</i> , <b>2017</b> , 118, 2454-2462	4.7	14
21	Prevention of adhesion bands by ibuprofen-loaded PLGA nanofibers. <i>Biotechnology Progress</i> , <b>2016</b> , 32, 990-7	2.8	14
20	A comparison of DNA damage induced by aflatoxin B1 in hepatocyte-like cells, their progenitor mesenchymal stem cells and CD34(+) cells isolated from umbilical cord blood. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2011</b> , 719, 14-20	3	13
19	Synergistic induction of cardiomyocyte differentiation from human bone marrow mesenchymal stem cells by interleukin 1 and 5-azacytidine. <i>Biological Chemistry</i> , <b>2016</b> , 397, 1355-1364	4.5	13
18	Hybrid poly-L-lactic acid/poly( $\epsilon$ -caprolactone) nanofibrous scaffold can improve biochemical and molecular markers of human induced pluripotent stem cell-derived hepatocyte-like cells. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 11247-11255	7	13
17	Differential expression of glutathione S-transferases P1-1 and A1-1 at protein and mRNA levels in hepatocytes derived from human bone marrow mesenchymal stem cells. <i>Toxicology in Vitro</i> , <b>2009</b> , 23, 674-9	3.6	12
16	Differentiation of bone marrow-derived stage-specific embryonic antigen 1 positive pluripotent stem cells into male germ cells. <i>Microscopy Research and Technique</i> , <b>2017</b> , 80, 430-440	2.8	11
15	Inhibition of cyclooxygenase-2 and inducible nitric oxide synthase by silymarin in proliferating mesenchymal stem cells: comparison with glutathione modifiers. <i>Journal of Natural Medicines</i> , <b>2012</b> , 66, 85-94	3.3	11
14	Hepatogenic Differentiation of Human Induced Pluripotent Stem cells on Collagen-Coated Polyethersulfone Nanofibers. <i>ASAIO Journal</i> , <b>2017</b> , 63, 316-323	3.6	11
13	Cytotoxicity evaluation of 63s bioactive glass and bone-derived hydroxyapatite particles using human bone-marrow stem cells. <i>Biomedical Papers of the Medical Faculty of the University Palacky&amp;#x0301;, Olomouc, Czechoslovakia</i> , <b>2011</b> , 155, 323-6	1.7	11
12	The role of catecholamines in mesenchymal stem cell fate. <i>Cell and Tissue Research</i> , <b>2014</b> , 358, 651-65	4.2	10
11	Release optimization of epidermal growth factor from PLGA microparticles. <i>Pharmaceutical Development and Technology</i> , <b>2014</b> , 19, 539-47	3.4	10
10	Electrospun composite PLLA/Oyster shell scaffold enhances proliferation and osteogenic differentiation of stem cells. <i>Biologicals</i> , <b>2018</b> , 54, 33-38	1.8	8
9	Fabrication and characterization of electrospun fibrous nanocomposite scaffolds based on poly(lactide-co-glycolide)/poly(vinyl alcohol) blends. <i>Polymer International</i> , <b>2010</b> , 59, 901-909	3.3	8
8	The emerging role of mesenchymal stem cells in tissue engineering. <i>International Journal of Hematology-Oncology and Stem Cell Research</i> , <b>2013</b> , 7, 46-7	0.5	7
7	Efficient Differentiation of Human Induced Pluripotent Stem Cell (hiPSC) Derived Hepatocyte-Like Cells on hMSCs Feeder. <i>International Journal of Hematology-Oncology and Stem Cell Research</i> , <b>2014</b> , 8, 20-9	0.5	7
6	A Three-Dimensional Scaffold-Based System for Modeling the Bone Marrow Tissue. <i>Stem Cells and Development</i> , <b>2016</b> , 25, 492-8	4.4	6
5	Effect of Hypoxia Preconditioned Adipose-Derived Mesenchymal Stem Cell Conditioned Medium on Cerulein-Induced Acute Pancreatitis in Mice. <i>Advanced Pharmaceutical Bulletin</i> , <b>2020</b> , 10, 297-306	4.5	6

4	Human unrestricted somatic stem cell administration fails to protect nude mice from cisplatin-induced acute kidney injury. <i>Nephron Experimental Nephrology</i> , <b>2013</b> , 123, 11-21		3
3	Mesenchymal stem cells loaded with oncolytic reovirus enhances antitumor activity in mice models of colorectal cancer. <i>Biochemical Pharmacology</i> , <b>2021</b> , 190, 114644	6	3
2	The impact of oxidative DNA changes and ATM expression on morphological and functional activities on hepatocytes obtained from mesenchymal stem cells. <i>Biologicals</i> , <b>2017</b> , 47, 52-58	1.8	2
1	Collagen-graft mixed cellulose esters membrane maintains undifferentiated morphology and markers of potential pluripotency in feeder-free culture of induced pluripotent stem cells. <i>Biologicals</i> , <b>2016</b> , 44, 387-93	1.8	2