

Mohamadreza Baghaban Eslaminejad

List of Publications by Citations

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148
papers

2,852
citations

28
h-index

45
g-index

160
ext. papers

3,373
ext. citations

3.8
avg, IF

5.58
L-index

#	Paper	IF	Citations
148	Role of Mesenchymal Stem Cells in Bone Regenerative Medicine: What Is the Evidence?. <i>Cells Tissues Organs</i> , 2017 , 204, 59-83	2.1	177
147	Intra-articular injection of autologous mesenchymal stem cells in six patients with knee osteoarthritis. <i>Archives of Iranian Medicine</i> , 2012 , 15, 422-8	2.4	147
146	Needle-like nano hydroxyapatite/poly(L-lactide acid) composite scaffold for bone tissue engineering application. <i>Materials Science and Engineering C</i> , 2009 , 29, 942-949	8.3	106
145	Marrow-derived mesenchymal stem cells-directed bone regeneration in the dog mandible: a comparison between biphasic calcium phosphate and natural bone mineral. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2008 , 105, e14-24		93
144	Murine mesenchymal stem cells isolated by low density primary culture system. <i>Development Growth and Differentiation</i> , 2006 , 48, 361-70	3	84
143	Development of PLGA-coated β -TCP scaffolds containing VEGF for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2016 , 69, 780-8	8.3	84
142	Mesenchymal stem cells as a potent cell source for bone regeneration. <i>Stem Cells International</i> , 2012 , 2012, 980353	5	78
141	Mesenchymal stem cells enhance bone regeneration in rat calvarial critical size defects more than platelet-rich plasma. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2008 , 106, 356-62; discussion 363		70
140	Autologous dental pulp stem cells in regeneration of defect created in canine periodontal tissue. <i>Journal of Oral Implantology</i> , 2013 , 39, 433-43	1.2	68
139	Mesenchymal stem cells as a potent cell source for articular cartilage regeneration. <i>World Journal of Stem Cells</i> , 2014 , 6, 344-54	5.6	63
138	Graphene oxide containing chitosan scaffolds for cartilage tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2019 , 127, 396-405	7.9	58
137	Bone differentiation of marrow-derived mesenchymal stem cells using beta-tricalcium phosphate-alginate-gelatin hybrid scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2007 , 1, 417-24	4.4	51
136	Up regulation of liver-enriched transcription factors HNF4a and HNF6 and liver-specific microRNA (miR-122) by inhibition of let-7b in mesenchymal stem cells. <i>Chemical Biology and Drug Design</i> , 2015 , 85, 268-79	2.9	45
135	Mesenchymal stem cells from trabecular meshwork become photoreceptor-like cells on amniotic membrane. <i>Neuroscience Letters</i> , 2013 , 541, 43-8	3.3	43
134	Epigenetic regulation of osteogenic and chondrogenic differentiation of mesenchymal stem cells in culture. <i>Cell Journal</i> , 2013 , 15, 1-10	2.4	41
133	Isolation, characterization and comparative differentiation of human dental pulp stem cells derived from permanent teeth by using two different methods. <i>Journal of Visualized Experiments</i> , 2012 ,	1.6	39
132	High yield of cells committed to the photoreceptor-like cells from conjunctiva mesenchymal stem cells on nanofibrous scaffolds. <i>Molecular Biology Reports</i> , 2013 , 40, 3883-90	2.8	38

131	Fabrication and characterization of hydrothermal cross-linked chitosan porous scaffolds for cartilage tissue engineering applications. <i>Materials Science and Engineering C</i> , 2017 , 80, 532-542	8.3	35
130	A hydrophobically-modified alginate gel system: utility in the repair of articular cartilage defects. <i>Journal of Materials Science: Materials in Medicine</i> , 2011 , 22, 2365-75	4.5	34
129	Photobiomodulation with single and combination laser wavelengths on bone marrow mesenchymal stem cells: proliferation and differentiation to bone or cartilage. <i>Lasers in Medical Science</i> , 2019 , 34, 115-126	3.7	34
128	The effects of combined low level laser therapy and mesenchymal stem cells on bone regeneration in rabbit calvarial defects. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 151, 180-5	6.7	33
127	Bone engineering in dog mandible: Coculturing mesenchymal stem cells with endothelial progenitor cells in a composite scaffold containing vascular endothelial growth factor. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017 , 105, 1767-1777	3.5	32
126	Upregulation of MiR-122 via Trichostatin A Treatments in Hepatocyte-like Cells Derived from Mesenchymal Stem Cells. <i>Chemical Biology and Drug Design</i> , 2016 , 87, 296-305	2.9	32
125	The effect of dimethyl sulfoxide on hepatic differentiation of mesenchymal stem cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 , 44, 157-64	6.1	31
124	Induction of ram bone marrow mesenchymal stem cells into germ cell lineage using transforming growth factor- β superfamily growth factors. <i>Reproduction in Domestic Animals</i> , 2014 , 49, 588-598	1.6	30
123	Biocompatibility evaluation of nano-rod hydroxyapatite/gelatin coated with nano-HAp as a novel scaffold using mesenchymal stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 92, 1244-54	5.4	30
122	Effect of fragment removal on blastocyst formation and quality of human embryos. <i>Reproductive BioMedicine Online</i> , 2006 , 13, 823-32	4	30
121	Derivation of male germ cells from ram bone marrow mesenchymal stem cells by three different methods and evaluation of their fate after transplantation into the testis. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2016 , 52, 49-61	2.6	29
120	Vertical bone augmentation with simultaneous implant placement using particulate mineralized bone and mesenchymal stem cells: a preliminary study in rabbit. <i>Journal of Oral Implantology</i> , 2013 , 39, 3-13	1.2	28
119	Bio-engineered electrospun nanofibrous membranes using cartilage extracellular matrix particles. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 765-776	7.3	27
118	Effect of zinc ions on differentiation of bone marrow-derived mesenchymal stem cells to male germ cells and some germ cell-specific gene expression in rams. <i>Biological Trace Element Research</i> , 2012 , 150, 137-46	4.5	27
117	Murine mesenchymal stem cell isolated and expanded in low and high density culture system: surface antigen expression and osteogenic culture mineralization. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2009 , 45, 451-9	2.6	27
116	Synergistic effect of strontium, bioactive glass and nano-hydroxyapatite promotes bone regeneration of critical-sized radial bone defects. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019 , 107, 50-64	3.5	27
115	Preconception endurance training with voluntary exercise during pregnancy positively influences on remodeling markers in female offspring bone. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2016 , 29, 3634-40	2	26
114	Mesenchymal stem cells seeded onto tissue-engineered osteoinductive scaffolds enhance the healing process of critical-sized radial bone defects in rat. <i>Cell and Tissue Research</i> , 2018 , 374, 63-81	4.2	26

113	VEGF delivery by smart polymeric PNIPAM nanoparticles affects both osteogenic and angiogenic capacities of human bone marrow stem cells. <i>Materials Science and Engineering C</i> , 2018 , 93, 790-799	8.3	26
112	Histologic tissue response to furcation perforation repair using mineral trioxide aggregate or dental pulp stem cells loaded onto treated dentin matrix or tricalcium phosphate. <i>Clinical Oral Investigations</i> , 2017 , 21, 1579-1588	4.2	25
111	Chondrogenic differentiation of human bone marrow-derived mesenchymal stem cells treated by GSK-3 inhibitors. <i>Histochemistry and Cell Biology</i> , 2013 , 140, 623-33	2.4	24
110	Targeted cell delivery for articular cartilage regeneration and osteoarthritis treatment. <i>Drug Discovery Today</i> , 2019 , 24, 2212-2224	8.8	23
109	Reconstruction of human mandibular continuity defects with allogenic scaffold and autologous marrow mesenchymal stem cells. <i>Journal of Craniofacial Surgery</i> , 2013 , 24, 1292-7	1.2	23
108	Production and evaluation of decellularized extracellular matrix hydrogel for cartilage regeneration derived from knee cartilage. <i>Journal of Biomedical Materials Research - Part A</i> , 2020 , 108, 938-946	5.4	22
107	The effect of increasing the pore size of nanofibrous scaffolds on the osteogenic cell culture using a combination of sacrificial agent electrospinning and ultrasonication. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 1887-1899	5.4	21
106	Dental pulp polyps contain stem cells comparable to the normal dental pulps. <i>Journal of Clinical and Experimental Dentistry</i> , 2014 , 6, e53-9	1.4	21
105	Effects of Photobiomodulation and Mesenchymal Stem Cells on Articular Cartilage Defects in a Rabbit Model. <i>Photomedicine and Laser Surgery</i> , 2016 , 34, 543-549		21
104	Type I collagen gel in seeding medium improves murine mesenchymal stem cell loading onto the scaffold, increases their subsequent proliferation, and enhances culture mineralization. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009 , 90, 659-67	3.5	20
103	The effect of nano-scale topography on osteogenic differentiation of mesenchymal stem cells. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2014 , 158, 5-16	1.7	20
102	3D-porous tricalcium phosphate-alginate-gelatin scaffold with DMOG delivery promotes angiogenesis and bone formation in rat calvarial defects. <i>Journal of Materials Science: Materials in Medicine</i> , 2018 , 30, 1	4.5	20
101	Regenerative Medicine Applications of Mesenchymal Stem Cells. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1089, 115-141	3.6	20
100	Cannabidiol-loaded microspheres incorporated into osteoconductive scaffold enhance mesenchymal stem cell recruitment and regeneration of critical-sized bone defects. <i>Materials Science and Engineering C</i> , 2019 , 101, 64-75	8.3	19
99	The effect of purmorphamine and sirolimus on osteogenic differentiation of human bone marrow-derived mesenchymal stem cells. <i>Biomedicine and Pharmacotherapy</i> , 2013 , 67, 31-8	7.5	19
98	Transplantation of Autologous Bone Marrow Mesenchymal Stem Cells into the Testes of Infertile Male Rats and New Germ Cell Formation. <i>International Journal of Stem Cells</i> , 2016 , 9, 250-263	3	19
97	Comparative analysis and properties evaluation of gelatin microspheres crosslinked with glutaraldehyde and 3-glycidoxypropyltrimethoxysilane as drug delivery systems for the antibiotic vancomycin. <i>International Journal of Pharmaceutics</i> , 2019 , 557, 208-220	6.5	19
96	Contribution of osteocalcin-mimetic peptide enhances osteogenic activity and extracellular matrix mineralization of human osteoblast-like cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 173, 662-671	6	19

95	The effect of modified electrospun PCL-nHA-nZnO scaffolds on osteogenesis and angiogenesis. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 2040-2052	5.4	18
94	Therapeutic potential of human-induced pluripotent stem cell-derived endothelial cells in a bleomycin-induced scleroderma mouse model. <i>Stem Cell Research</i> , 2013 , 10, 288-300	1.6	18
93	Effect of lead on proliferation and neural differentiation of mouse bone marrow-mesenchymal stem cells. <i>Toxicology in Vitro</i> , 2008 , 22, 995-1001	3.6	18
92	Comparison of the efficacy of three concentrations of retinoic acid for transdifferentiation induction in sheep marrow-derived mesenchymal stem cells into male germ cells. <i>Andrologia</i> , 2014 , 46, 24-35	2.4	17
91	Transplantation of Autologous Bone Marrow Mesenchymal Stem Cells with Platelet-Rich Plasma Accelerate Distraction Osteogenesis in A Canine Model. <i>Cell Journal</i> , 2015 , 17, 243-52	2.4	17
90	Improved Protocol for Chondrogenic Differentiation of Bone Marrow Derived Mesenchymal Stem Cells -Effect of PTHrP and FGF-2 on TGF β /BMP2-Induced Chondrocytes Hypertrophy. <i>Stem Cell Reviews and Reports</i> , 2018 , 14, 755-766	6.4	16
89	Odontogenic differentiation of dental pulp-derived stem cells on tricalcium phosphate scaffolds. <i>Journal of Dental Sciences</i> , 2013 , 8, 306-313	2.5	16
88	A silk fibroin/decellularized extract of Wharton's jelly hydrogel intended for cartilage tissue engineering. <i>Progress in Biomaterials</i> , 2019 , 8, 31-42	4.4	15
87	Mesenchymal Stromal Cells Implantation in Combination with Platelet Lysate Product Is Safe for Reconstruction of Human Long Bone Nonunion. <i>Cell Journal</i> , 2016 , 18, 302-309	2.4	15
86	Isolation and Assessment of Mesenchymal Stem Cells Derived From Bone Marrow: Histologic and Histomorphometric Study in a Canine Periodontal Defect. <i>Journal of Oral Implantology</i> , 2015 , 41, 284-91	1.2	14
85	Engineering mesenchymal stem cell spheroids by incorporation of mechanoregulator microparticles. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 84, 74-87	4.1	14
84	Chitosan-pDNA nanoparticle characteristics determine the transfection efficacy of gene delivery to human mesenchymal stem cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2014 , 42, 376-84	6.1	14
83	Expression of Thy 1.2 surface antigen increases significantly during the murine mesenchymal stem cells cultivation period. <i>Development Growth and Differentiation</i> , 2007 , 49, 351-64	3	14
82	Amniotic fluid stem cells and their application in cell-based tissue regeneration. <i>International Journal of Fertility & Sterility</i> , 2012 , 6, 147-56	1.9	14
81	Percutaneous Autologous Bone Marrow-Derived Mesenchymal Stromal Cell Implantation Is Safe for Reconstruction of Human Lower Limb Long Bone Atrophic Nonunion. <i>Cell Journal</i> , 2017 , 19, 159-165	2.4	14
80	In vitro osteogenic induction of human marrow-derived mesenchymal stem cells by PCL fibrous scaffolds containing dexamethazone-loaded chitosan microspheres. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 1657-67	5.4	14
79	Msh homeobox 1 (-) and -overexpressing bone marrow-derived mesenchymal stem cells resemble blastema cells and enhance regeneration in mice. <i>Journal of Biological Chemistry</i> , 2017 , 292, 10520-10533	5.4	13
78	Endothelial and Osteoblast Differentiation of Adipose-Derived Mesenchymal Stem Cells Using a Cobalt-Doped CaP/Silk Fibroin Scaffold. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 2134-2146	5.5	13

77	Comparative epigenetic influence of autologous versus fetal bovine serum on mesenchymal stem cells through in vitro osteogenic and adipogenic differentiation. <i>Experimental Cell Research</i> , 2016 , 344, 176-82	4.2	12
76	Incorporation of F-MWCNTs into electrospun nanofibers regulates osteogenesis through stiffness and nanotopography. <i>Materials Science and Engineering C</i> , 2020 , 106, 110163	8.3	12
75	Mesenchymal stem cells from murine amniotic fluid as a model for preclinical investigation. <i>Archives of Iranian Medicine</i> , 2011 , 14, 96-103	2.4	12
74	Influence of conductive PEDOT:PSS in a hard tissue scaffold: In vitro and in vivo study. <i>Journal of Bioactive and Compatible Polymers</i> , 2019 , 34, 436-441	2	11
73	Sensitization of breast cancer cells to doxorubicin via stable cell line generation and overexpression of DFF40. <i>Biochemistry and Cell Biology</i> , 2015 , 93, 604-10	3.6	11
72	Enhancement of Glycosaminoglycan-Rich Matrix Production in Human Marrow-Derived Mesenchymal Stem Cell Chondrogenic Culture by Lithium Chloride and SB216763 Treatment. <i>Cell Journal</i> , 2011 , 13, 117-26	2.4	11
71	Engineered-extracellular vesicles as an optimistic tool for microRNA delivery for osteoarthritis treatment. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 79-91	10.3	11
70	A tough polysaccharide-based cell-laden double-network hydrogel promotes articular cartilage tissue regeneration in rabbits. <i>Chemical Engineering Journal</i> , 2021 , 418, 129277	14.7	11
69	Comparative analysis of neural differentiation potential in human mesenchymal stem cells derived from chorion and adult bone marrow. <i>Cell and Tissue Research</i> , 2015 , 362, 367-77	4.2	10
68	Stable overexpression of DNA fragmentation factor in T-47D cells: sensitization of breast cancer cells to apoptosis in response to acetazolamide and sulfabenzamide. <i>Molecular Biology Reports</i> , 2014 , 41, 7387-94	2.8	10
67	A comparison of polarized and non-polarized human endometrial monolayer culture systems on murine embryo development. <i>Journal of Experimental & Clinical Assisted Reproduction</i> , 2005 , 2, 7		10
66	Comparative Evaluation of Human Dental Pulp and Follicle Stem Cell Commitment. <i>Cell Journal</i> , 2017 , 18, 609-618	2.4	10
65	Facile synthesis of biphasic calcium phosphate microspheres with engineered surface topography for controlled delivery of drugs and proteins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 157, 223-232	6	9
64	Small Molecule-BIO Accelerates and Enhances Marrow-Derived Mesenchymal Stem Cell in Vitro Chondrogenesis. <i>Iranian Journal of Medical Sciences</i> , 2014 , 39, 107-16	1.2	9
63	In Vitro Differentiation of Human Umbilical Cord Blood CD133(+)Cells into Insulin Producing Cells in Co-Culture with Rat Pancreatic Mesenchymal Stem Cells. <i>Cell Journal</i> , 2015 , 17, 211-20	2.4	9
62	Extra virgin olive oil in maternal diet increases osteogenic genes expression, but high amounts have deleterious effects on bones in mice offspring at adolescence. <i>Iranian Journal of Basic Medical Sciences</i> , 2016 , 19, 1299-1307	1.8	9
61	Physicomechanical, rheological and in vitro cytocompatibility properties of the electron beam irradiated blend hydrogels of tyramine conjugated gum tragacanth and poly (vinyl alcohol). <i>Materials Science and Engineering C</i> , 2020 , 114, 111073	8.3	8
60	Umbilical Cord Blood Platelet Lysate as Serum Substitute in Expansion of Human Mesenchymal Stem Cells. <i>Cell Journal</i> , 2017 , 19, 403-414	2.4	8

59	Bone marrow mesenchymal stem cell and vein conduit on sciatic nerve repair in rats. <i>Trauma Monthly</i> , 2015 , 20, e23325	1	8
58	Scalable and cost-effective generation of osteogenic micro-tissues through the incorporation of inorganic microparticles within mesenchymal stem cell spheroids. <i>Biofabrication</i> , 2019 , 12, 015021	10.5	8
57	Epidrugs: novel epigenetic regulators that open a new window for targeting osteoblast differentiation. <i>Stem Cell Research and Therapy</i> , 2020 , 11, 456	8.3	8
56	Male and female rat bone marrow-derived mesenchymal stem cells are different in terms of the expression of germ cell specific genes. <i>Anatomical Science International</i> , 2015 , 90, 187-96	2	7
55	Dental-Related Stem Cells and Their Potential in Regenerative Medicine 2013 ,		7
54	Study of the structure of canine mesenchymal stem cell osteogenic culture. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2010 , 39, 446-55	1.1	7
53	Isolation and characterization of the progenitor cells from the blastema tissue formed at experimentally-created rabbit ear hole. <i>Iranian Journal of Basic Medical Sciences</i> , 2013 , 16, 109-15	1.8	7
52	In Vitro and In Vivo Comparison of Different Types of Rabbit Mesenchymal Stem Cells for Cartilage Repair. <i>Cell Journal</i> , 2019 , 21, 150-160	2.4	7
51	Dual functional construct containing kartogenin releasing microtissues and curcumin for cartilage regeneration. <i>Stem Cell Research and Therapy</i> , 2020 , 11, 289	8.3	7
50	Efficacy of mechanical vibration in regulating mesenchymal stem cells gene expression. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2019 , 55, 387-394	2.6	6
49	Human umbilical cord-derived scaffolds for cartilage tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 1793-1802	5.4	6
48	The Importance of Stem Cell Senescence in Regenerative Medicine. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1288, 87-102	3.6	6
47	Effect of Purmorphamine on Osteogenic Differentiation of Human Mesenchymal Stem Cells in a Three-Dimensional Dynamic Culture System. <i>Cellular and Molecular Bioengineering</i> , 2014 , 7, 575-584	3.9	6
46	Computerized three-dimensional reconstruction of cartilage canals in chick tibial chondroepiphysis. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2006 , 35, 247-52	1.1	6
45	Isolation, Characterization and Osteogenic Potential of Mouse Digit Tip Blastema Cells in Comparison with Bone Marrow-Derived Mesenchymal Stem Cells In Vitro. <i>Cell Journal</i> , 2018 , 19, 585-598 ^{2.4}	2.4	6
44	siRNA-mediated knock-down of DFF45 amplifies doxorubicin therapeutic effects in breast cancer cells. <i>Cellular Oncology (Dordrecht)</i> , 2013 , 36, 515-26	7.2	5
43	Rat marrow-derived mesenchymal stem cells developed in a medium supplemented with the autologous versus bovine serum. <i>Cell Biology International</i> , 2009 , 33, 607-16	4.5	5
42	Cartilage Repair by Mesenchymal Stem Cell-Derived Exosomes: Preclinical and Clinical Trial Update and Perspectives. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1326, 73-93	3.6	5

41	Surface modification of PLA scaffold using radio frequency (RF) nitrogen plasma in tissue engineering application. <i>Surface Topography: Metrology and Properties</i> , 2020 , 8, 015012	1.5	4
40	Mathematical Modeling and Experimental Evaluation for the predication of single nanofiber modulus. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 79, 38-45	4.1	4
39	Starvation is more efficient than the washing technique for purification of rat Sertoli cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2014 , 50, 723-30	2.6	4
38	Mesenchymal Stem Cell-Based Bone Engineering for Bone Regeneration 2011 ,		4
37	Functional differences of Toll-like receptor 4 in osteogenesis, adipogenesis and chondrogenesis in human bone marrow-derived mesenchymal stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2021 , 25, 5138-5149	5.6	4
36	Characterization and multiscale modeling of novel calcium phosphate composites containing hydroxyapatite whiskers and gelatin microspheres. <i>Journal of Alloys and Compounds</i> , 2020 , 832, 154938	5.7	3
35	Comparison of maternal isocaloric high carbohydrate and high fat diets on osteogenic and adipogenic genes expression in adolescent mice offspring. <i>Nutrition and Metabolism</i> , 2016 , 13, 69	4.6	3
34	New insight into functional limb regeneration: A to Z approaches. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 1925-1943	4.4	3
33	The role of nanomedicine, nanotechnology, and nanostructures on oral bone healing, modeling, and remodeling 2017 , 777-832		3
32	Effects of Maternal Isocaloric Diet Containing Different Amounts of Soy Oil and Extra Virgin Olive Oil on Weight, Serum Glucose, and Lipid Profile of Female Mice Offspring. <i>Iranian Journal of Medical Sciences</i> , 2017 , 42, 161-169	1.2	3
31	Mesenchymal Stem Cells in Bone and Cartilage Regeneration 2013 , 131-153		3
30	Critical-sized bone defects regeneration using a bone-inspired 3D bilayer collagen membrane in combination with leukocyte and platelet-rich fibrin membrane (L-PRF): An in vivo study. <i>Tissue and Cell</i> , 2020 , 63, 101326	2.7	3
29	Therapeutic effects of mesenchymal stem cells on cutaneous leishmaniasis lesions caused by <i>Leishmania major</i> . <i>Journal of Global Antimicrobial Resistance</i> , 2020 , 23, 243-250	3.4	3
28	Decellularized Extracellular Matrix as a Potent Natural Biomaterial for Regenerative Medicine. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1341, 27-43	3.6	2
27	Functional Germ Cells From Non-Testicular Adult Stem Cells: A Dream or Reality?. <i>Current Stem Cell Research and Therapy</i> , 2018 , 13, 60-79	3.6	2
26	Tooth tissue engineering 2017 , 467-501		2
25	Blastema from rabbit ear contains progenitor cells comparable to marrow derived mesenchymal stem cells. <i>Veterinary Research Forum</i> , 2012 , 3, 159-65	0.5	2
24	Effects of BIO on proliferation and chondrogenic differentiation of mouse marrow-derived mesenchymal stem cells. <i>Veterinary Research Forum</i> , 2013 , 4, 69-76	0.5	2

23	Effects of exercise prior or during pregnancy in high fat diet fed mice alter bone gene expression of female offspring: An experimental study. <i>International Journal of Reproductive BioMedicine</i> , 2017 , 15, 93-100	1.3	2
22	Inclusion Body Expression and Refolding of Recombinant Bone Morphogenetic Protein-2. <i>Avicenna Journal of Medical Biotechnology</i> , 2018 , 10, 202-207	1.4	2
21	Microarray analysis identification of key pathways and interaction network of differential gene expressions during osteogenic differentiation. <i>Human Genomics</i> , 2020 , 14, 43	6.8	2
20	Smart Polymeric Systems: A Biomedical Viewpoint. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1298, 133-148	3.6	1
19	Organic and inorganic zinc show similar regulatory effects on the expression of some germ cell specific markers induced in bone marrow mesenchymal stem cells after treatment with retinoic acid. <i>Biologia (Poland)</i> , 2019 , 74, 1721-1731	1.5	1
18	The Robust Potential of Mesenchymal Stem Cell-Loaded Constructs for Hard Tissue Regeneration After Cancer Removal. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1084, 17-43	3.6	1
17	Poly(lactic-co-glycolic)/Nanostructured Merwinite Porous Composites for Bone Tissue Engineering. I. Preparation and Morphology. <i>Key Engineering Materials</i> , 2011 , 493-494, 718-722	0.4	1
16	Higher Chondrogenic Potential of Extracellular Vesicles Derived from Mesenchymal Stem Cells Compared to Chondrocytes-EVs In Vitro.. <i>BioMed Research International</i> , 2021 , 2021, 9011548	3	1
15	Evaluation of a New Method for Biological Activity Analysis of Recombinant Human Parathyroid Hormone-Related Protein. <i>Middle East Journal of Rehabilitation and Health Studies</i> , 2018 , 5,	1.4	1
14	Fabrication and characterization of an injectable reinforced composite scaffold for cartilage tissue engineering: Anstudy. <i>Biomedical Materials (Bristol)</i> , 2021 ,	3.5	1
13	Mesenchymal Stem Cells: An Optimistic Cell Source in Tissue Engineering for Bone Regeneration. <i>Stem Cells in Clinical Applications</i> , 2016 , 205-243	0.3	1
12	Engineering strategies for customizing extracellular vesicle uptake in a therapeutic context.. <i>Stem Cell Research and Therapy</i> , 2022 , 13, 129	8.3	1
11	Micro- and nanotechnology in biomedical engineering for cartilage tissue regeneration in osteoarthritis.. <i>Beilstein Journal of Nanotechnology</i> , 2022 , 13, 363-389	3	1
10	Synergic role of zinc and gallium doping in hydroxyapatite nanoparticles to improve osteogenesis and antibacterial activity.. <i>Materials Science and Engineering C</i> , 2022 , 112684	8.3	0
9	Targeted mesenchymal stem cell therapy equipped with a cell-tissue nanomatchmaker attenuates osteoarthritis progression.. <i>Scientific Reports</i> , 2022 , 12, 4015	4.9	0
8	M2c Macrophages enhance phalange regeneration of amputated mice digits in an organ co-culture system.. <i>Iranian Journal of Basic Medical Sciences</i> , 2021 , 24, 1602-1612	1.8	0
7	Nanotissue Engineering of Musculoskeletal Cells 2015 , 299-313		
6	Platelet-Rich Plasma Incorporated Nanostructures for Tissue Engineering Applications 2017 , 211-227		

5	EFFECT OF COLLAGEN ON THE MORPHOLOGY AND STRUCTURE OF CALCIUM PHOSPHATE NANOPARTICLES. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2014 , 26, 1450061	0.6
4	3D Printing in Dentistry 2020 , 195-221	
3	Effects of exercise prior or during pregnancy in high fat diet fed mice alter bone gene expression of female offspring: An experimental study. <i>International Journal of Reproductive BioMedicine</i> , 2017 , 15, 93-100	1.3
2	Evaluation of toll-like receptor 4 expression in human bone marrow mesenchymal stem cells by lipopolysaccharides from <i>Shigella</i> . <i>Biologicals</i> , 2018 , 55, 53-58	1.8
1	Advanced Nanotechnology Approaches as Emerging Tools in Cellular-Based Technologies. <i>Advances in Experimental Medicine and Biology</i> , 2022 ,	3.6