

Bin Wang

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,575
citations

361296

20
h-index

302012

39
g-index

43
all docs

43
docs citations

43
times ranked

2772
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue source determines the differentiation potentials of mesenchymal stem cells: a comparative study of human mesenchymal stem cells from bone marrow and adipose tissue. <i>Stem Cell Research and Therapy</i> , 2017, 8, 275.	2.4	201
2	Injectable stem cell-laden supramolecular hydrogels enhance in situ osteochondral regeneration via the sustained co-delivery of hydrophilic and hydrophobic chondrogenic molecules. <i>Biomaterials</i> , 2019, 210, 51-61.	5.7	179
3	Cartilage repair by mesenchymal stem cells: Clinical trial update and perspectives. <i>Journal of Orthopaedic Translation</i> , 2017, 9, 76-88.	1.9	146
4	Repair of Achilles tendon defect with autologous ASCs engineered tendon in a rabbit model. <i>Biomaterials</i> , 2014, 35, 8801-8809.	5.7	99
5	Linc-ROR Promotes Osteogenic Differentiation of Mesenchymal Stem Cells by Functioning as a Competing Endogenous RNA for miR-138 and miR-145. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 11, 345-353.	2.3	97
6	Long noncoding RNA H19 accelerates tenogenic differentiation and promotes tendon healing through targeting miR-29b-3p and activating TGF- β 1 signaling. <i>FASEB Journal</i> , 2017, 31, 954-964.	0.2	81
7	Allogeneic vs. autologous mesenchymal stem/stromal cells in their medication practice. <i>Cell and Bioscience</i> , 2021, 11, 187.	2.1	64
8	Human fetal mesenchymal stem cell secretome enhances bone consolidation in distraction osteogenesis. <i>Stem Cell Research and Therapy</i> , 2016, 7, 134.	2.4	63
9	Synergistic effects on mesenchymal stem cell-based cartilage regeneration by chondrogenic preconditioning and mechanical stimulation. <i>Stem Cell Research and Therapy</i> , 2017, 8, 221.	2.4	52
10	miRNA-29b improves bone healing in mouse fracture model. <i>Molecular and Cellular Endocrinology</i> , 2016, 430, 97-107.	1.6	47
11	KDM3A and KDM4C Regulate Mesenchymal Stromal Cell Senescence and Bone Aging via Condensin-mediated Heterochromatin Reorganization. <i>IScience</i> , 2019, 21, 375-390.	1.9	38
12	The Roles of Mesenchymal Stem Cells in Tissue Repair and Disease Modification. <i>Current Stem Cell Research and Therapy</i> , 2014, 9, 424-431.	0.6	37
13	Secretome of Human Fetal Mesenchymal Stem Cell Ameliorates Replicative Senescence. <i>Stem Cells and Development</i> , 2016, 25, 1755-1766.	1.1	36
14	The Use of Cocultured Mesenchymal Stem Cells with Tendon-Derived Stem Cells as a Better Cell Source for Tendon Repair. <i>Tissue Engineering - Part A</i> , 2016, 22, 1229-1240.	1.6	34
15	The Roles of H19 in Regulating Inflammation and Aging. <i>Frontiers in Immunology</i> , 2020, 11, 579687.	2.2	34
16	Influence of DNA methylation on the expression of OPG/RANKL in primary osteoporosis. <i>International Journal of Medical Sciences</i> , 2018, 15, 1480-1485.	1.1	33
17	Cystic fibrosis transmembrane conductance regulator mediates tenogenic differentiation of tendon-derived stem cells and tendon repair: accelerating tendon injury healing by intervening in its downstream signaling. <i>FASEB Journal</i> , 2017, 31, 3800-3815.	0.2	30
18	MIR124 suppresses collagen formation of human tendon derived stem cells through targeting egr1. <i>Experimental Cell Research</i> , 2016, 347, 360-366.	1.2	28

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19	Stem cell therapy for enhancement of bone consolidation in distraction osteogenesis. <i>Bone and Joint Research</i> , 2017, 6, 385-390.	1.3	25
20	Lgr5-overexpressing mesenchymal stem cells augment fracture healing through regulation of Wnt/ERK signaling pathways and mitochondrial dynamics. <i>FASEB Journal</i> , 2019, 33, 8565-8577.	0.2	25
21	Epigenetic Modification of the CCL5/CCR1/ERK Axis Enhances Glioma Targeting in Dedifferentiation-Reprogrammed BMSCs. <i>Stem Cell Reports</i> , 2017, 8, 743-757.	2.3	21
22	Staphylococcal enterotoxin C2 expedites bone consolidation in distraction osteogenesis. <i>Journal of Orthopaedic Research</i> , 2017, 35, 1215-1225.	1.2	21
23	Characterisation of multipotent stem cells from human peripheral blood using an improved protocol. <i>Journal of Orthopaedic Translation</i> , 2019, 19, 18-28.	1.9	19
24	MicroRNA-144-3p inhibits bone formation in distraction osteogenesis through targeting Connexin 43. <i>Oncotarget</i> , 2017, 8, 89913-89922.	0.8	19
25	The anti-inflammatory effects of asiatic acid in lipopolysaccharide-stimulated human corneal epithelial cells. <i>International Journal of Ophthalmology</i> , 2017, 10, 179-185.	0.5	17
26	Asiatic acid protects articular cartilage through promoting chondrogenesis and inhibiting inflammation and hypertrophy in osteoarthritis. <i>European Journal of Pharmacology</i> , 2021, 907, 174265.	1.7	15
27	Expression of Sclerostin in Osteoporotic Fracture Patients Is Associated with DNA Methylation in the CpG Island of the <i>SOST</i> Gene. <i>International Journal of Genomics</i> , 2019, 2019, 1-8.	0.8	13
28	Automated Optical Tweezers Manipulation to Transfer Mitochondria from Fetal to Adult MSCs to Improve Antiaging Gene Expressions. <i>Small</i> , 2021, 17, e2103086.	5.2	13
29	Staphylococcal enterotoxin C2 promotes osteogenesis of mesenchymal stem cells and accelerates fracture healing. <i>Bone and Joint Research</i> , 2018, 7, 179-186.	1.3	10
30	Stearic acid methyl ester promotes migration of mesenchymal stem cells and accelerates cartilage defect repair. <i>Journal of Orthopaedic Translation</i> , 2020, 22, 81-91.	1.9	10
31	A novel pulsed electromagnetic field promotes distraction osteogenesis via enhancing osteogenesis and angiogenesis in a rat model. <i>Journal of Orthopaedic Translation</i> , 2020, 25, 87-95.	1.9	10
32	MicroRNA-21: An Emerging Player in Bone Diseases. <i>Frontiers in Pharmacology</i> , 2021, 12, 722804.	1.6	9
33	Effects of Cartilage Progenitor Cells, Bone Marrow Mesenchymal Stem Cells and Chondrocytes on Cartilage Repair as Seed Cells: An in vitro Study. <i>Drug Design, Development and Therapy</i> , 2022, Volume 16, 1217-1230.	2.0	9
34	Porcine brain extract promotes osteogenic differentiation of bone marrow derived mesenchymal stem cells and bone consolidation in a rat distraction osteogenesis model. <i>PLoS ONE</i> , 2017, 12, e0187362.	1.1	8
35	Human fetal mesenchymal stem cells secretome promotes scarless diabetic wound healing through heat shock protein family. <i>Bioengineering and Translational Medicine</i> , 2023, 8, .	3.9	8
36	LIF-dependent primitive neural stem cells derived from mouse ES cells represent a reversible stage of neural commitment. <i>Stem Cell Research</i> , 2013, 11, 1091-1102.	0.3	7

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37	Cranial Bone Transport Promotes Angiogenesis, Neurogenesis, and Modulates Meningeal Lymphatic Function in Middle Cerebral Artery Occlusion Rats. <i>Stroke</i> , 2022, 53, 1373-1385.	1.0	6
38	The effects of tubular structure on biomaterial aided bone regeneration in distraction osteogenesis. <i>Journal of Orthopaedic Translation</i> , 2020, 25, 80-86.	1.9	5
39	Cytosine methylation at CG and CNG sites is differential during the development of triploid black poplar. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2013, 22, 414-424.	0.9	3
40	Microarray Analysis of Gene Expression in Triploid Black Poplar. <i>Silvae Genetica</i> , 2012, 61, 148-157.	0.4	3
41	Mir-X suppresses tenogenic differentiation of human tendon derived stem cells through targeting Egr1. <i>Journal of Orthopaedic Translation</i> , 2016, 7, 102.	1.9	0
42	LincRNA-Y modulates osteogenic differentiation VIA Wnt/ β 2-Catenin pathway. <i>Journal of Orthopaedic Translation</i> , 2016, 7, 91.	1.9	0