

Gang Li

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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.

266
papers

10,446
citations

55
h-index

88
g-index

296
ext. papers

12,106
ext. citations

6.4
avg, IF

6.29
L-index

#	Paper	IF	Citations
266	Direct reprogramming of mouse and human fibroblasts into multipotent neural stem cells with a single factor. <i>Cell Stem Cell</i> , 2012 , 11, 100-9	18	427
265	A delivery system targeting bone formation surfaces to facilitate RNAi-based anabolic therapy. <i>Nature Medicine</i> , 2012 , 18, 307-14	50.5	274
264	Concise review: multipotent mesenchymal stromal cells in blood. <i>Stem Cells</i> , 2007 , 25, 69-77	5.8	219
263	Isolation and characterization of multipotent rat tendon-derived stem cells. <i>Tissue Engineering - Part A</i> , 2010 , 16, 1549-58	3.9	212
262	Inhibition of sclerostin by monoclonal antibody enhances bone healing and improves bone density and strength of nonfractured bones. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 1012-21	6.3	196
261	Biomechanical model to simulate tissue differentiation and bone regeneration: application to fracture healing. <i>Medical and Biological Engineering and Computing</i> , 2002 , 40, 14-21	3.1	184
260	Mechanically resilient, injectable, and bioadhesive supramolecular gelatin hydrogels crosslinked by weak host-guest interactions assist cell infiltration and in situ tissue regeneration. <i>Biomaterials</i> , 2016 , 101, 217-28	15.6	180
259	H19 activates Wnt signaling and promotes osteoblast differentiation by functioning as a competing endogenous RNA. <i>Scientific Reports</i> , 2016 , 6, 20121	4.9	160
258	Human mesenchymal stem cells (hMSCs) target osteosarcoma and promote its growth and pulmonary metastasis. <i>Cancer Letters</i> , 2009 , 281, 32-41	9.9	156
257	Mesenchymal stem cells in immunoregulation. <i>Immunology and Cell Biology</i> , 2006 , 84, 413-21	5	156
256	Tendon-derived stem cells (TDSCs) promote tendon repair in a rat patellar tendon window defect model. <i>Journal of Orthopaedic Research</i> , 2012 , 30, 613-9	3.8	148
255	Bone marrow-derived mesenchymal stem cells promote growth and angiogenesis of breast and prostate tumors. <i>Stem Cell Research and Therapy</i> , 2013 , 4, 70	8.3	145
254	Hotair mediates hepatocarcinogenesis through suppressing miRNA-218 expression and activating P14 and P16 signaling. <i>Journal of Hepatology</i> , 2015 , 63, 886-95	13.4	143
253	Impaired bone healing pattern in mice with ovariectomy-induced osteoporosis: A drill-hole defect model. <i>Bone</i> , 2011 , 48, 1388-400	4.7	141
252	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	8.3	123
251	Characterization of ionic currents in human mesenchymal stem cells from bone marrow. <i>Stem Cells</i> , 2005 , 23, 371-82	5.8	121
250	Long noncoding RNA Hotair mediated angiogenesis in nasopharyngeal carcinoma by direct and indirect signaling pathways. <i>Oncotarget</i> , 2016 , 7, 4712-23	3.3	115

249	Bioreactor expansion of human adult bone marrow-derived mesenchymal stem cells. <i>Stem Cells</i> , 2006 , 24, 2052-9	5.8	114
248	Engineered scaffold-free tendon tissue produced by tendon-derived stem cells. <i>Biomaterials</i> , 2013 , 34, 2024-37	15.6	113
247	Systemic recruitment of osteoblastic cells in fracture healing. <i>Journal of Orthopaedic Research</i> , 2005 , 23, 1013-21	3.8	112
246	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	15.6	108
245	Bone consolidation is enhanced by rhBMP-2 in a rabbit model of distraction osteogenesis. <i>Journal of Orthopaedic Research</i> , 2002 , 20, 779-88	3.8	104
244	Effect of lengthening rate on angiogenesis during distraction osteogenesis. <i>Journal of Orthopaedic Research</i> , 1999 , 17, 362-7	3.8	102
243	MicroRNA-10b induced by Epstein-Barr virus-encoded latent membrane protein-1 promotes the metastasis of human nasopharyngeal carcinoma cells. <i>Cancer Letters</i> , 2010 , 299, 29-36	9.9	99
242	Mesenchymal stem cells homing to improve bone healing. <i>Journal of Orthopaedic Translation</i> , 2017 , 9, 19-27	4.2	98
241	Allogenic peripheral blood derived mesenchymal stem cells (MSCs) enhance bone regeneration in rabbit ulna critical-sized bone defect model. <i>Journal of Orthopaedic Research</i> , 2006 , 24, 610-8	3.8	97
240	Sulfated hyaluronic acid hydrogels with retarded degradation and enhanced growth factor retention promote hMSC chondrogenesis and articular cartilage integrity with reduced hypertrophy. <i>Acta Biomaterialia</i> , 2017 , 53, 329-342	10.8	96
239	Assessment of cell proliferation in regenerating bone during distraction osteogenesis at different distraction rates. <i>Journal of Orthopaedic Research</i> , 1997 , 15, 765-72	3.8	94
238	Organic Semiconducting Polymer Nanoparticles for Photoacoustic Labeling and Tracking of Stem Cells in the Second Near-Infrared Window. <i>ACS Nano</i> , 2018 , 12, 12201-12211	16.7	94
237	An improved protocol for isolation and culture of mesenchymal stem cells from mouse bone marrow. <i>Journal of Orthopaedic Translation</i> , 2015 , 3, 26-33	4.2	93
236	Fabrication and repair of cartilage defects with a novel acellular cartilage matrix scaffold. <i>Tissue Engineering - Part C: Methods</i> , 2010 , 16, 865-76	2.9	93
235	Yap1 Regulates Multiple Steps of Chondrocyte Differentiation during Skeletal Development and Bone Repair. <i>Cell Reports</i> , 2016 , 14, 2224-2237	10.6	90
234	MicroRNA-182 targets SMAD7 to potentiate TGF β -induced epithelial-mesenchymal transition and metastasis of cancer cells. <i>Nature Communications</i> , 2016 , 7, 13884	17.4	89
233	An in silico analysis of dynamic changes in microRNA expression profiles in stepwise development of nasopharyngeal carcinoma. <i>BMC Medical Genomics</i> , 2012 , 5, 3	3.7	83
232	Robust Biopolymeric Supramolecular Host-Guest Macromer Hydrogels Reinforced by in Situ Formed Multivalent Nanoclusters for Cartilage Regeneration. <i>Macromolecules</i> , 2016 , 49, 866-875	5.5	82

231	Nanoparticle delivery of stable miR-199a-5p agomir improves the osteogenesis of human mesenchymal stem cells via the HIF1a pathway. <i>Biomaterials</i> , 2015 , 53, 239-50	15.6	81
230	Nanocomposite hydrogels stabilized by self-assembled multivalent bisphosphonate-magnesium nanoparticles mediate sustained release of magnesium ion and promote in-situ bone regeneration. <i>Acta Biomaterialia</i> , 2017 , 64, 389-400	10.8	76
229	Stepwise Differentiation of Mesenchymal Stem Cells Augments Tendon-Like Tissue Formation and Defect Repair In Vivo. <i>Stem Cells Translational Medicine</i> , 2016 , 5, 1106-16	6.9	71
228	rhBMP-2, rhVEGF(165), rhPTN and thrombin-related peptide, TP508 induce chemotaxis of human osteoblasts and microvascular endothelial cells. <i>Journal of Orthopaedic Research</i> , 2005 , 23, 680-5	3.8	70
227	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	10.7	69
226	Prodrug of green tea epigallocatechin-3-gallate (Pro-EGCG) as a potent anti-angiogenesis agent for endometriosis in mice. <i>Angiogenesis</i> , 2013 , 16, 59-69	10.6	68
225	Salvianolic acid B promotes osteogenesis of human mesenchymal stem cells through activating ERK signaling pathway. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 51, 1-9	5.6	67
224	Human mesenchymal stem cells promote growth of osteosarcoma: involvement of interleukin-6 in the interaction between human mesenchymal stem cells and Saos-2. <i>Cancer Science</i> , 2010 , 101, 2554-60	6.9	67
223	Aqp1 enhances migration of bone marrow mesenchymal stem cells through regulation of FAK and Eatenin. <i>Stem Cells and Development</i> , 2014 , 23, 66-75	4.4	66
222	Ion channels in mesenchymal stem cells from rat bone marrow. <i>Stem Cells</i> , 2006 , 24, 1519-28	5.8	65
221	Hydrogels functionalized with N-cadherin mimetic peptide enhance osteogenesis of hMSCs by emulating the osteogenic niche. <i>Biomaterials</i> , 2016 , 77, 44-52	15.6	63
220	Mesenchymal Stem Cells and Cancer: Clinical Challenges and Opportunities. <i>BioMed Research International</i> , 2019 , 2019, 2820853	3	62
219	Cell cycle-dependent expression of potassium channels and cell proliferation in rat mesenchymal stem cells from bone marrow. <i>Cell Proliferation</i> , 2007 , 40, 656-70	7.9	62
218	Chondrogenic differentiation alters the immunosuppressive property of bone marrow-derived mesenchymal stem cells, and the effect is partially due to the upregulated expression of B7 molecules. <i>Stem Cells</i> , 2007 , 25, 364-70	5.8	60
217	Near-infrared light-triggered release of small molecules for controlled differentiation and long-term tracking of stem cells in vivo using upconversion nanoparticles. <i>Biomaterials</i> , 2016 , 110, 1-10	15.6	59
216	Immunoregulation of macrophages by dynamic ligand presentation via ligand-cation coordination. <i>Nature Communications</i> , 2019 , 10, 1696	17.4	58
215	Long noncoding RNA H19 accelerates tenogenic differentiation and promotes tendon healing through targeting miR-29b-3p and activating TGF- β signaling. <i>FASEB Journal</i> , 2017 , 31, 954-964	0.9	56
214	mir-21 overexpressing mesenchymal stem cells accelerate fracture healing in a rat closed femur fracture model. <i>BioMed Research International</i> , 2015 , 2015, 412327	3	56

213	DLC1-dependent parathyroid hormone-like hormone inhibition suppresses breast cancer bone metastasis. <i>Journal of Clinical Investigation</i> , 2014 , 124, 1646-59	15.9	56
212	Low intensity pulsed ultrasound enhanced mesenchymal stem cell recruitment through stromal derived factor-1 signaling in fracture healing. <i>PLoS ONE</i> , 2014 , 9, e106722	3.7	55
211	Endogenous glucocorticoid signalling in osteoblasts is necessary to maintain normal bone structure in mice. <i>Bone</i> , 2009 , 45, 61-7	4.7	54
210	Tanshinol attenuates the deleterious effects of oxidative stress on osteoblastic differentiation via Wnt/FoxO3a signaling. <i>Oxidative Medicine and Cellular Longevity</i> , 2013 , 2013, 351895	6.7	53
209	Sox11-modified mesenchymal stem cells (MSCs) accelerate bone fracture healing: Sox11 regulates differentiation and migration of MSCs. <i>FASEB Journal</i> , 2015 , 29, 1143-52	0.9	52
208	Remote Manipulation of Ligand Nano-Oscillations Regulates Adhesion and Polarization of Macrophages in Vivo. <i>Nano Letters</i> , 2017 , 17, 6415-6427	11.5	52
207	Sclerostin monoclonal antibody enhanced bone fracture healing in an open osteotomy model in rats. <i>Journal of Orthopaedic Research</i> , 2014 , 32, 997-1005	3.8	52
206	Mesenchymal stem cells as a gene therapy carrier for treatment of fibrosarcoma. <i>Cytotherapy</i> , 2009 , 11, 516-26	4.8	52
205	Analysis of Osteoclastogenesis/Osteoblastogenesis on Nanotopographical Titania Surfaces. <i>Advanced Healthcare Materials</i> , 2016 , 5, 947-55	10.1	51
204	Remote Control of Heterodimeric Magnetic Nanoswitch Regulates the Adhesion and Differentiation of Stem Cells. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5909-5913	16.4	50
203	Does erroneous differentiation of tendon-derived stem cells contribute to the pathogenesis of calcifying tendinopathy?. <i>Chinese Medical Journal</i> , 2011 , 124, 606-10	2.9	50
202	Systemic and Local Administration of Allogeneic Bone Marrow-Derived Mesenchymal Stem Cells Promotes Fracture Healing in Rats. <i>Cell Transplantation</i> , 2015 , 24, 2643-55	4	48
201	The effect of 3D nanofibrous scaffolds on the chondrogenesis of induced pluripotent stem cells and their application in restoration of cartilage defects. <i>PLoS ONE</i> , 2014 , 9, e111566	3.7	48
200	Cell proliferation and apoptosis during fracture healing. <i>Journal of Bone and Mineral Research</i> , 2002 , 17, 791-9	6.3	48
199	CD146+ human umbilical cord perivascular cells maintain stemness under hypoxia and as a cell source for skeletal regeneration. <i>PLoS ONE</i> , 2013 , 8, e76153	3.7	48
198	Remote Control of Intracellular Calcium Using Upconversion Nanotransducers Regulates Stem Cell Differentiation In Vivo. <i>Advanced Functional Materials</i> , 2018 , 28, 1802642	15.6	48
197	Fate determination in mesenchymal stem cells: a perspective from histone-modifying enzymes. <i>Stem Cell Research and Therapy</i> , 2015 , 6, 35	8.3	47
196	Remote Control of Multimodal Nanoscale Ligand Oscillations Regulates Stem Cell Adhesion and Differentiation. <i>ACS Nano</i> , 2017 , 11, 9636-9649	16.7	47

195	Expression of BMP-4 mRNA during distraction osteogenesis in rabbits. <i>Acta Orthopaedica</i> , 1998 , 69, 420-5	47
194	Human fetal mesenchymal stem cell secretome enhances bone consolidation in distraction osteogenesis. <i>Stem Cell Research and Therapy</i> , 2016 , 7, 134	8.3 47
193	Magnetic Manipulation of Reversible Nanocaging Controls In Vivo Adhesion and Polarization of Macrophages. <i>ACS Nano</i> , 2018 , 12, 5978-5994	16.7 47
192	Thymidine kinase gene modified bone marrow mesenchymal stem cells as vehicles for antitumor therapy. <i>Human Gene Therapy</i> , 2011 , 22, 439-49	4.8 46
191	Bone formation is enhanced by thrombin-related peptide TP508 during distraction osteogenesis. <i>Journal of Orthopaedic Research</i> , 2005 , 23, 196-202	3.8 46
190	Natural Killer Cell-Based Cancer Immunotherapy: A Review on 10 Years Completed Clinical Trials. <i>Cancer Investigation</i> , 2018 , 36, 431-457	2.1 46
189	MiR-503 Promotes Bone Formation in Distraction Osteogenesis through Suppressing Smurf1 Expression. <i>Scientific Reports</i> , 2017 , 7, 409	4.9 45
188	Green tea (<i>Camellia sinensis</i>) extract inhibits both the metastasis and osteolytic components of mammary cancer 4T1 lesions in mice. <i>Journal of Nutritional Biochemistry</i> , 2014 , 25, 395-403	6.3 44
187	Comparison of multipotent differentiation potentials of murine primary bone marrow stromal cells and mesenchymal stem cell line C3H10T1/2. <i>Calcified Tissue International</i> , 2009 , 84, 56-64	3.9 44
186	Tissues formed during distraction osteogenesis in the rabbit are determined by the distraction rate: localization of the cells that express the mRNAs and the distribution of types I and II collagens. <i>Cell Biology International</i> , 2000 , 24, 25-33	4.5 44
185	Circulating mesenchymal stem cells and their clinical implications. <i>Journal of Orthopaedic Translation</i> , 2014 , 2, 1-7	4.2 42
184	Nonadherent cell population of human marrow culture is a complementary source of mesenchymal stem cells (MSCs). <i>Journal of Orthopaedic Research</i> , 2006 , 24, 21-8	3.8 42
183	Dysregulation of both miR-140-3p and miR-140-5p in synovial fluid correlate with osteoarthritis severity. <i>Bone and Joint Research</i> , 2017 , 6, 612-618	4.2 41
182	PLGA/βTCP composite scaffold incorporating salvianolic acid B promotes bone fusion by angiogenesis and osteogenesis in a rat spinal fusion model. <i>Biomaterials</i> , 2019 , 196, 109-121	15.6 41
181	Synthetic presentation of noncanonical Wnt5a motif promotes mechanosensing-dependent differentiation of stem cells and regeneration. <i>Science Advances</i> , 2019 , 5, eaaw3896	14.3 40
180	In vivo and in vitro anti-tumor and anti-metastasis effects of <i>Coriolus versicolor</i> aqueous extract on mouse mammary 4T1 carcinoma. <i>Phytomedicine</i> , 2014 , 21, 1078-87	6.5 40
179	The effects of secretion factors from umbilical cord derived mesenchymal stem cells on osteogenic differentiation of mesenchymal stem cells. <i>PLoS ONE</i> , 2015 , 10, e0120593	3.7 40
178	Icaritin, an exogenous phyto molecule, enhances osteogenesis but not angiogenesis--an in vitro efficacy study. <i>PLoS ONE</i> , 2012 , 7, e41264	3.7 40

177	Multifunctional Quantum Dot Nanoparticles for Effective Differentiation and Long-Term Tracking of Human Mesenchymal Stem Cells In Vitro and In Vivo. <i>Advanced Healthcare Materials</i> , 2016 , 5, 1049-57	10.1	40
176	miRNA-29b improves bone healing in mouse fracture model. <i>Molecular and Cellular Endocrinology</i> , 2016 , 430, 97-107	4.4	40
175	CXCR4 and matrix metalloproteinase-2 are involved in mesenchymal stromal cell homing and engraftment to tumors. <i>Cytotherapy</i> , 2011 , 13, 549-61	4.8	38
174	Conformational manipulation of scale-up prepared single-chain polymeric nanogels for multiscale regulation of cells. <i>Nature Communications</i> , 2019 , 10, 2705	17.4	37
173	Functional ion channels in mouse bone marrow mesenchymal stem cells. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 293, C1561-7	5.4	37
172	Nanocarrier-Mediated Codelivery of Small Molecular Drugs and siRNA to Enhance Chondrogenic Differentiation and Suppress Hypertrophy of Human Mesenchymal Stem Cells. <i>Advanced Functional Materials</i> , 2016 , 26, 2463-2472	15.6	37
171	Current concepts on tenogenic differentiation and clinical applications. <i>Journal of Orthopaedic Translation</i> , 2017 , 9, 28-42	4.2	36
170	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	8.3	36
169	Osthole Enhances Osteogenesis in Osteoblasts by Elevating Transcription Factor Osterix via cAMP/CREB Signaling In Vitro and In Vivo. <i>Nutrients</i> , 2017 , 9,	6.7	36
168	Epigenetic memory gained by priming with osteogenic induction medium improves osteogenesis and other properties of mesenchymal stem cells. <i>Scientific Reports</i> , 2015 , 5, 11056	4.9	35
167	Glucocorticoid-induced osteoporosis in growing rats. <i>Calcified Tissue International</i> , 2014 , 95, 362-73	3.9	34
166	Cellular retinol-binding protein 1 (CRBP-1) regulates osteogenesis and adipogenesis of mesenchymal stem cells through inhibiting RXR-induced E-cadherin degradation. <i>International Journal of Biochemistry and Cell Biology</i> , 2012 , 44, 612-9	5.6	34
165	The role of chondrocytes in intramembranous and endochondral ossification during distraction osteogenesis in the rabbit. <i>Calcified Tissue International</i> , 1999 , 64, 310-7	3.9	34
164	EZH2 promotes angiogenesis through inhibition of miR-1/Endothelin-1 axis in nasopharyngeal carcinoma. <i>Oncotarget</i> , 2014 , 5, 11319-32	3.3	34
163	Immortalized human fetal bone marrow-derived mesenchymal stromal cell expressing suicide gene for anti-tumor therapy in vitro and in vivo. <i>Cytotherapy</i> , 2013 , 15, 1484-97	4.8	33
162	Rapid and efficient reprogramming of human fetal and adult blood CD34+ cells into mesenchymal stem cells with a single factor. <i>Cell Research</i> , 2013 , 23, 658-72	24.7	33
161	Dose-dependent enhancement of spinal fusion in rats with teriparatide (PTH[1-34]). <i>Spine</i> , 2012 , 37, 1275-82	3.3	33
160	Anisotropic Ligand Nanogeometry Modulates the Adhesion and Polarization State of Macrophages. <i>Nano Letters</i> , 2019 , 19, 1963-1975	11.5	32

159	The effects of high glucose on tendon-derived stem cells: implications of the pathogenesis of diabetic tendon disorders. <i>Oncotarget</i> , 2017 , 8, 17518-17528	3.3	32
158	An In Situ Reversible Heterodimeric Nanoswitch Controlled by Metal-Ion-Ligand Coordination Regulates the Mechanosensing and Differentiation of Stem Cells. <i>Advanced Materials</i> , 2018 , 30, e180359†		32
157	Joint distraction attenuates osteoarthritis by reducing secondary inflammation, cartilage degeneration and subchondral bone aberrant change. <i>Osteoarthritis and Cartilage</i> , 2015 , 23, 1728-35	6.2	31
156	Secretome of Human Fetal Mesenchymal Stem Cell Ameliorates Replicative Senescen. <i>Stem Cells and Development</i> , 2016 , 25, 1755-1766	4.4	31
155	N-cadherin regulates osteogenesis and migration of bone marrow-derived mesenchymal stem cells. <i>Molecular Biology Reports</i> , 2013 , 40, 2533-9	2.8	31
154	Biomarker Studies in Early Detection and Prognosis of Breast Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 1026, 27-39	3.6	31
153	Applications of exogenous mesenchymal stem cells and low intensity pulsed ultrasound enhance fracture healing in rat model. <i>Ultrasound in Medicine and Biology</i> , 2013 , 39, 117-25	3.5	30
152	Effect of cartilaginous matrix components on the chondrogenesis and hypertrophy of mesenchymal stem cells in hyaluronic acid hydrogels. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017 , 105, 2292-2300	3.5	30
151	Bioadhesive Polymersome for Localized and Sustained Drug Delivery at Pathological Sites with Harsh Enzymatic and Fluidic Environment via Supramolecular Host-Guest Complexation. <i>Small</i> , 2018 , 14, 1702288	11	29
150	Tendon-derived stem cells undergo spontaneous tenogenic differentiation. <i>Experimental Cell Research</i> , 2016 , 341, 1-7	4.2	29
149	The roles of mesenchymal stem cells in tissue repair and disease modification. <i>Current Stem Cell Research and Therapy</i> , 2014 , 9, 424-31	3.6	29
148	Inhibiting CD164 expression in colon cancer cell line HCT116 leads to reduced cancer cell proliferation, mobility, and metastasis in vitro and in vivo. <i>Cancer Investigation</i> , 2012 , 30, 380-9	2.1	28
147	The fate of systemically administrated allogeneic mesenchymal stem cells in mouse femoral fracture healing. <i>Stem Cell Research and Therapy</i> , 2015 , 6, 206	8.3	27
146	Silver nanoparticles/ibuprofen-loaded poly(L-lactide) fibrous membrane: anti-infection and anti-adhesion effects. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 14014-25	6.3	27
145	Time for treating bone fracture using rhBMP-2: a randomised placebo controlled mouse fracture trial. <i>Journal of Orthopaedic Research</i> , 2005 , 23, 625-31	3.8	27
144	Concise Review: Stem Cell Fate Guided By Bioactive Molecules for Tendon Regeneration. <i>Stem Cells Translational Medicine</i> , 2018 , 7, 404-414	6.9	26
143	Deletion of estrogen receptor beta accelerates early stage of bone healing in a mouse osteotomy model. <i>Osteoporosis International</i> , 2012 , 23, 377-89	5.3	26
142	Low-intensity pulsed ultrasound enhances posterior spinal fusion implanted with mesenchymal stem cells-calcium phosphate composite without bone grafting. <i>Spine</i> , 2011 , 36, 1010-6	3.3	26

141	Survival of bone marrow-derived mesenchymal stem cells in a xenotransplantation model. <i>Journal of Orthopaedic Research</i> , 2007 , 25, 926-32	3.8	26
140	Anisotropic Nanoscale Presentation of Cell Adhesion Ligand Enhances the Recruitment of Diverse Integrins in Adhesion Structures and Mechanosensing-Dependent Differentiation of Stem Cells. <i>Advanced Functional Materials</i> , 2019 , 29, 1806822	15.6	26
139	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	0.9	25
138	Nanolayered hybrid mediates synergistic co-delivery of ligand and ligation activator for inducing stem cell differentiation and tissue healing. <i>Biomaterials</i> , 2017 , 149, 12-28	15.6	25
137	Properties of ion channels in rabbit mesenchymal stem cells from bone marrow. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 348, 301-9	3.4	25
136	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	3.9	25
135	Local injection of thrombin-related peptide (TP508) in PPF/PLGA microparticles-enhanced bone formation during distraction osteogenesis. <i>Journal of Orthopaedic Research</i> , 2008 , 26, 539-46	3.8	24
134	Biologic model of bone transport distraction osteogenesis and vascular response. <i>Journal of Orthopaedic Research</i> , 1999 , 17, 238-45	3.8	24
133	Lgr5 in cancer biology: functional identification of Lgr5 in cancer progression and potential opportunities for novel therapy. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 219	8.3	23
132	Thrombin related peptide TP508 promoted fracture repair in a mouse high energy fracture model. <i>Journal of Orthopaedic Surgery and Research</i> , 2009 , 4, 1	2.8	23
131	MicroRNA-378 Suppressed Osteogenesis of MSCs and Impaired Bone Formation via Inactivating Wnt/ β Catenin Signaling. <i>Molecular Therapy - Nucleic Acids</i> , 2020 , 21, 1017-1028	10.7	23
130	KDM3A and KDM4C Regulate Mesenchymal Stromal Cell Senescence and Bone Aging via Condensin-mediated Heterochromatin Reorganization. <i>iScience</i> , 2019 , 21, 375-390	6.1	23
129	Microscopic local stiffening in a supramolecular hydrogel network expedites stem cell mechanosensing in 3D and bone regeneration. <i>Materials Horizons</i> , 2021 , 8, 1722-1734	14.4	23
128	Attenuation of subchondral bone abnormal changes in osteoarthritis by inhibition of SDF-1 signaling. <i>Osteoarthritis and Cartilage</i> , 2017 , 25, 986-994	6.2	22
127	Vasoactive Intestinal Peptide Stimulates Bone Marrow-Mesenchymal Stem Cells Osteogenesis Differentiation by Activating Wnt/ β Catenin Signaling Pathway and Promotes Rat Skull Defect Repair. <i>Stem Cells and Development</i> , 2020 , 29, 655-666	4.4	22
126	MicroRNA-218 Promotes Osteogenic Differentiation of Mesenchymal Stem Cells and Accelerates Bone Fracture Healing. <i>Calcified Tissue International</i> , 2018 , 103, 227-236	3.9	22
125	Partial loss of Smad7 function impairs bone remodeling, osteogenesis and enhances osteoclastogenesis in mice. <i>Bone</i> , 2014 , 67, 46-55	4.7	22
124	Three-dimensional CaP/gelatin lattice scaffolds with integrated osteoinductive surface topographies for bone tissue engineering. <i>Biofabrication</i> , 2015 , 7, 015005	10.5	22

123	Effect of thrombin peptide 508 (TP508) on bone healing during distraction osteogenesis in rabbit tibia. <i>Cell and Tissue Research</i> , 2007 , 330, 35-44	4.2	22
122	Calcitonin Gene-Related Peptide Enhances Distraction Osteogenesis by Increasing Angiogenesis. <i>Tissue Engineering - Part A</i> , 2021 , 27, 87-102	3.9	22
121	Effect of SDF-1/Cxcr4 Signaling Antagonist AMD3100 on Bone Mineralization in Distraction Osteogenesis. <i>Calcified Tissue International</i> , 2017 , 100, 641-652	3.9	21
120	Adult stem cell coatings for regenerative medicine. <i>Materials Today</i> , 2012 , 15, 60-66	21.8	21
119	The role of long non-coding RNA H19 in musculoskeletal system: A new player in an old game. <i>Experimental Cell Research</i> , 2017 , 360, 61-65	4.2	21
118	Area, length and mineralization content of new bone at bone-tendon junction predict its repair quality. <i>Journal of Orthopaedic Research</i> , 2011 , 29, 672-7	3.8	21
117	Low-magnitude high-frequency vibration enhanced mesenchymal stem cell recruitment in osteoporotic fracture healing through the SDF-1/CXCR4 pathway. <i>European Cells and Materials</i> , 2016 , 31, 341-54	4.3	21
116	GPR120 is an important inflammatory regulator in the development of osteoarthritis. <i>Arthritis Research and Therapy</i> , 2018 , 20, 163	5.7	20
115	Elevated H3K27ac in aged skeletal muscle leads to increase in extracellular matrix and fibrogenic conversion of muscle satellite cells. <i>Aging Cell</i> , 2019 , 18, e12996	9.9	20
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113	The role of CKIP-1 in osteoporosis development and treatment. <i>Bone and Joint Research</i> , 2018 , 7, 173-178	4.2	19
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