Liangliang Xu

List of Publications by Year in Descending Order

69 papers	1,923 citations	25 h-index	42 g-index
78 ext. papers	2,347 ext. citations	4.8 avg, IF	4.8 L-index

#	Paper	IF	Citations
69	Nonwoven-based gelatin/polycaprolactone membrane loaded with ERK inhibitor U0126 for treatment of tendon defects.. *Stem Cell Research and Therapy*, **2022**, 13, 5	8.3	0
68	Ginsenoside Compound K Enhances Fracture Healing Promoting Osteogenesis and Angiogenesis.. *Frontiers in Pharmacology*, **2022**, 13, 855393	5.6	1
67	Sox11 Modified Tendon-Derived Stem Cells Promote the Repair of Osteonecrosis of Femoral Head. *Cell Transplantation*, **2021**, 30, 9636897211053870	4	
66	Research Progress of the Role of Anthocyanins on Bone Regeneration. *Frontiers in Pharmacology*, **2021**, 12, 773660	5.6	3
65	Cyasterone accelerates fracture healing by promoting MSCs migration and osteogenesis. *Journal of Orthopaedic Translation*, **2021**, 28, 28-38	4.2	6
64	The Roles of MicroRNAs in Tendon Healing and Regeneration. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 687117	5.7	0
63	Carnosol suppresses RANKL-induced osteoclastogenesis and attenuates titanium particles-induced osteolysis. *Journal of Cellular Physiology*, **2021**, 236, 1950-1966	7	6
62	De-osteogenic-differentiated mesenchymal stem cells accelerate fracture healing by mir-92b. *Journal of Orthopaedic Translation*, **2021**, 27, 25-32	4.2	6
61	Hydroxysafflor yellow A promotes osteogenesis and bone development via epigenetically regulating Ecatenin and prevents ovariectomy-induced bone loss. *International Journal of Biochemistry and Cell Biology*, **2021**, 137, 106033	5.6	1
60	Tauroursodeoxycholic acid alleviates secondary injury in spinal cord injury mice by reducing oxidative stress, apoptosis, and inflammatory response. *Journal of Neuroinflammation*, **2021**, 18, 216	10.1	2
59	Molecular Insights Into Lysyl Oxidases in Cartilage Regeneration and Rejuvenation. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 359	5.8	5
58	Polydatin improves osteogenic differentiation of human bone mesenchymal stem cells by stimulating TAZ expression via BMP2-Wnt/Ecatenin signaling pathway. *Stem Cell Research and Therapy*, **2020**, 11, 204	8.3	8
57	lncRNA-TINCR Functions as a Competitive Endogenous RNA to Regulate the Migration of Mesenchymal Stem Cells by Sponging miR-761. *BioMed Research International*, **2020**, 2020, 9578730	3	7
56	The Roles of Long Non-coding RNA in Osteoporosis. *Current Stem Cell Research and Therapy*, **2020**, 15, 639-645	3.6	6
55	Stearic acid methyl esterpromotes migration of mesenchymal stem cells and accelerates cartilage defect repair. *Journal of Orthopaedic Translation*, **2020**, 22, 81-91	4.2	5
54	Catharmus tinctorius volatile oil promote the migration of mesenchymal stem cells via ROCK2/Myosin light chain signaling. *Chinese Journal of Natural Medicines*, **2019**, 17, 506-516	2.8	2
53	Mesenchymal Stem Cells and Cancer: Clinical Challenges and Opportunities. *BioMed Research International*, **2019**, 2019, 2820853	3	62

52	Characterisation of multipotent stem cells from human peripheral blood using an improved protocol. *Journal of Orthopaedic Translation*, **2019**, 19, 18-28	4.2	12
51	Lgr5-overexpressing mesenchymal stem cells augment fracture healing through regulation of Wnt/ERK signaling pathways and mitochondrial dynamics. *FASEB Journal*, **2019**, 33, 8565-8577	0.9	18
50	Huo Xue Tong Luo capsule ameliorates osteonecrosis of femoral head through inhibiting lncRNA-Miat. *Journal of Ethnopharmacology*, **2019**, 238, 111862	5	16
49	Expression of Sclerostin in Osteoporotic Fracture Patients Is Associated with DNA Methylation in the CpG Island of the Gene. *International Journal of Genomics*, **2019**, 2019, 7076513	2.5	9
48	A novel protocol for isolation and culture of multipotent progenitor cells from human urine. *Journal of Orthopaedic Translation*, **2019**, 19, 12-17	4.2	2
47	Lgr5 in cancer biology: functional identification of Lgr5 in cancer progression and potential opportunities for novel therapy. *Stem Cell Research and Therapy*, **2019**, 10, 219	8.3	23
46	MiR-539-5p negatively regulates migration of rMSCs induced by Bushen Huoxue decoction through targeting Wnt5a. *International Journal of Medical Sciences*, **2019**, 16, 998-1006	3.7	3
45	Involvement of tumor necrosis factor alpha in steroid-associated osteonecrosis of the femoral head: friend or foe?. *Stem Cell Research and Therapy*, **2019**, 10, 5	8.3	13
44	Aberrant enhancer hypomethylation contributes to hepatic carcinogenesis through global transcriptional reprogramming. *Nature Communications*, **2019**, 10, 335	17.4	49
43	Sox11-modified mesenchymal stem cells accelerate cartilage defect repair in SD rats. *Cell and Tissue Research*, **2019**, 376, 247-255	4.2	8
42	Comparing the osteoconductive potential between tubular and cylindrical beta-tricalcium phosphate scaffolds: An experimental study in rats. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2018**, 106, 1934-1940	3.5	4
41	Influence of DNA methylation on the expression of OPG/RANKL in primary osteoporosis. *International Journal of Medical Sciences*, **2018**, 15, 1480-1485	3.7	19
40	Wnt5a mediates the effects of Bushen Huoxue decoction on the migration of bone marrow mesenchymal stem cells in vitro. *Chinese Medicine*, **2018**, 13, 45	4.7	6
39	Epigenetic Modification of the CCL5/CCR1/ERK Axis Enhances Glioma Targeting in Dedifferentiation-Reprogrammed BMSCs. *Stem Cell Reports*, **2017**, 8, 743-757	8	17
38	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. *FASEB Journal*, **2017**, 31, 3800-3815	0.9	25
37	Long noncoding RNA H19 accelerates tenogenic differentiation and promotes tendon healing through targeting miR-29b-3p and activating TGF-β signaling. *FASEB Journal*, **2017**, 31, 954-964	0.9	56
36	Stepwise preconditioning enhances mesenchymal stem cell-based cartilage regeneration through epigenetic modification. *Osteoarthritis and Cartilage*, **2017**, 25, 1541-1550	6.2	17
35	Mesenchymal stem cells homing to improve bone healing. *Journal of Orthopaedic Translation*, **2017**, 9, 19-27	4.2	98

34	MiR-503 Promotes Bone Formation in Distraction Osteogenesis through Suppressing Smurf1 Expression. *Scientific Reports*, **2017**, 7, 409	4.9	45
33	Synergistic effects on mesenchymal stem cell-based cartilage regeneration by chondrogenic preconditioning and mechanical stimulation. *Stem Cell Research and Therapy*, **2017**, 8, 221	8.3	36
32	Tissue source determines the differentiation potentials of mesenchymal stem cells: a comparative study of human mesenchymal stem cells from bone marrow and adipose tissue. *Stem Cell Research and Therapy*, **2017**, 8, 275	8.3	123
31	Tenomodulin highly expressing MSCs as a better cell source for tendon injury healing. *Oncotarget*, **2017**, 8, 77424-77435	3.3	11
30	MicroRNA-144-3p inhibits bone formation in distraction osteogenesis through targeting Connexin 43. *Oncotarget*, **2017**, 8, 89913-89922	3.3	16
29	H19 activates Wnt signaling and promotes osteoblast differentiation by functioning as a competing endogenous RNA. *Scientific Reports*, **2016**, 6, 20121	4.9	160
28	Effects of Sclerostin Antibody on the Healing of Femoral Fractures in Ovariectomised Rats. *Calcified Tissue International*, **2016**, 98, 263-74	3.9	18
27	Dysregulated Lysine Acetyltransferase 2B Promotes Inflammatory Bowel Disease Pathogenesis Through Transcriptional Repression of Interleukin-10. *Journal of Crohn's and Colitis*, **2016**, 10, 726-34	1.5	17
26	Systemic Administration of Allogeneic Mesenchymal Stem Cells Does Not Halt Osteoporotic Bone Loss in Ovariectomized Rats. *PLoS ONE*, **2016**, 11, e0163131	3.7	11
25	Small nuclear ribonucleoprotein polypeptide N (Sm51) promotes osteogenic differentiation of bone marrow mesenchymal stem cells by regulating Runx2. *Cell and Tissue Research*, **2016**, 366, 155-62	4.2	5
24	Amentoflavone enhances osteogenesis of human mesenchymal stem cells through JNK and p38 MAPK pathways. *Journal of Natural Medicines*, **2016**, 70, 634-44	3.3	19
23	The Use of Cocultured Mesenchymal Stem Cells with Tendon-Derived Stem Cells as a Better Cell Source for Tendon Repair. *Tissue Engineering - Part A*, **2016**, 22, 1229-1240	3.9	25
22	Stepwise Differentiation of Mesenchymal Stem Cells Augments Tendon-Like Tissue Formation and Defect Repair In Vivo. *Stem Cells Translational Medicine*, **2016**, 5, 1106-16	6.9	71
21	Aspirin prevents bone loss with little mechanical improvement in high-fat-fed ovariectomized rats. *European Journal of Pharmacology*, **2016**, 791, 331-338	5.3	13
20	Epigenetic memory gained by priming with osteogenic induction medium improves osteogenesis and other properties of mesenchymal stem cells. *Scientific Reports*, **2015**, 5, 11056	4.9	35
19	The effects of atorvastatin on the prevention of osteoporosis and dyslipidemia in the high-fat-fed ovariectomized rats. *Calcified Tissue International*, **2015**, 96, 541-51	3.9	15
18	Sox11-modified mesenchymal stem cells (MSCs) accelerate bone fracture healing: Sox11 regulates differentiation and migration of MSCs. *FASEB Journal*, **2015**, 29, 1143-52	0.9	52
17	An improved protocol for isolation and culture of mesenchymal stem cells from mouse bone marrow. *Journal of Orthopaedic Translation*, **2015**, 3, 26-33	4.2	93

16	The fate of systemically administrated allogeneic mesenchymal stem cells in mouse femoral fracture healing. *Stem Cell Research and Therapy*, **2015**, 6, 206	8.3	27
15	Systemic and Local Administration of Allogeneic Bone Marrow-Derived Mesenchymal Stem Cells Promotes Fracture Healing in Rats. *Cell Transplantation*, **2015**, 24, 2643-55	4	48
14	The effects of secretion factors from umbilical cord derived mesenchymal stem cells on osteogenic differentiation of mesenchymal stem cells. *PLoS ONE*, **2015**, 10, e0120593	3.7	40
13	mir-21 overexpressing mesenchymal stem cells accelerate fracture healing in a rat closed femur fracture model. *BioMed Research International*, **2015**, 2015, 412327	3	56
12	Apigenin promotes osteogenic differentiation of human mesenchymal stem cells through JNK and p38 MAPK pathways. *Molecular and Cellular Biochemistry*, **2015**, 407, 41-50	4.2	46
11	U0126 promotes osteogenesis of rat bone-marrow-derived mesenchymal stem cells by activating BMP/Smad signaling pathway. *Cell and Tissue Research*, **2015**, 359, 537-545	4.2	8
10	Taurine promotes human mesenchymal stem cells to differentiate into osteoblast through the ERK pathway. *Amino Acids*, **2014**, 46, 1673-80	3.5	26
9	Circulating mesenchymal stem cells and their clinical implications. *Journal of Orthopaedic Translation*, **2014**, 2, 1-7	4.2	42
8	Salvianolic acid B promotes osteogenesis of human mesenchymal stem cells through activating ERK signaling pathway. *International Journal of Biochemistry and Cell Biology*, **2014**, 51, 1-9	5.6	67
7	Aqp1 enhances migration of bone marrow mesenchymal stem cells through regulation of FAK and catenin. *Stem Cells and Development*, **2014**, 23, 66-75	4.4	66
6	N-cadherin regulates osteogenesis and migration of bone marrow-derived mesenchymal stem cells. *Molecular Biology Reports*, **2013**, 40, 2533-9	2.8	31
5	Engineered scaffold-free tendon tissue produced by tendon-derived stem cells. *Biomaterials*, **2013**, 34, 2024-37	15.6	113
4	Cellular retinol-binding protein 1 (CRBP-1) regulates osteogenenesis and adipogenesis of mesenchymal stem cells through inhibiting RXR nduced catenin degradation. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 612-9	5.6	34
3	An antiapoptotic role of sorting nexin 7 is required for liver development in zebrafish. *Hepatology*, **2012**, 55, 1985-93	11.2	13
2	Dominant-positive HSF1 decreases alpha-synuclein level and alpha-synuclein-induced toxicity. *Molecular Biology Reports*, **2010**, 37, 1875-81	2.8	24
1	Osteoimmunology: The correlation between osteoclasts and the Th17/Treg balance in osteoporosis. *Journal of Cellular and Molecular Medicine*,	5.6	1