Chaoxu Liu

List of Publications by Year
in descending order

24 papers	468 citations	777949 13 h-index	799663 21 g-index
26 all docs	26 docs citations	26 times ranked	754 citing authors

#	Article	IF	Citations
1	Do Radiographic Results of Transforaminal Lumbar Interbody Fusion Vary with Cage Position in Patients with Degenerative Lumbar Diseases?. Orthopaedic Surgery, 2022, 14, 730-741.	0.7	3
2	Low-frequency electromagnetic fields combined with tissue engineering techniques accelerate intervertebral fusion. Stem Cell Research and Therapy, 2021, 12, 143.	2.4	9
3	Sinusoidal electromagnetic fields accelerate bone regeneration by boosting the multifunctionality of bone marrow mesenchymal stem cells. Stem Cell Research and Therapy, 2021, 12, 234.	2.4	4
4	Circular RNA circZNF652 is overexpressed in osteoarthritis and positively regulates LPS-induced apoptosis of chondrocytes by upregulating PTEN. Autoimmunity, 2021, 54, 415-421.	1.2	11
5	Efficacy of gelatin sponge impregnated with ropivacaine on postoperative pain after transforaminal lumbar interbody fusion: a comparative study. BMC Musculoskeletal Disorders, 2021, 22, 660.	0.8	2
6	Hydrogel-hydroxyapatite-monomeric collagen type-I scaffold with low-frequency electromagnetic field treatment enhances osteochondral repair in rabbits. Stem Cell Research and Therapy, 2021, 12, 572.	2.4	15
7	The Preventive Effect of Decorin on Epidural Fibrosis and Epidural Adhesions After Laminectomy. Frontiers in Pharmacology, 2021, 12, 774316.	1.6	9
8	Effects of electromagnetic fields treatment on rat critical-sized calvarial defects with a 3D-printed composite scaffold. Stem Cell Research and Therapy, 2020, 11, 433.	2.4	17
9	Enhanced osteogenesis of bone marrow stem cells cultured on hydroxyapatite/collagen I scaffold in the presence of low-frequency magnetic field. Journal of Materials Science: Materials in Medicine, 2019, 30, 89.	1.7	17
10	Effect of cyclic compression on bone marrow mesenchymal stromal cells in tissue engineered cartilage scaffold. Journal of Biomedical Materials Research - Part A, 2019, 107, 1294-1302.	2.1	13
11	The combinatory effect of sinusoidal electromagnetic field and VEGF promotes osteogenesis and angiogenesis of mesenchymal stem cell-laden PCL/HA implants in a rat subcritical cranial defect. Stem Cell Research and Therapy, 2019, 10, 379.	2.4	18
12	Electromagnetic field treatment increases purinergic receptor P2X7 expression and activates its downstream Akt/GSK3Î²/Î²-catenin axis in mesenchymal stem cells under osteogenic induction. Stem Cell Research and Therapy, 2019, 10, 407.	2.4	16
13	The synergistic effect of bone forming peptideâ€1 and endothelial progenitor cells to promote vascularization of tissue engineered bone. Journal of Biomedical Materials Research - Part A, 2018, 106, 1008-1021.	2.1	21
14	Extremely low frequency electromagnetic fields promote mesenchymal stem cell migration by increasing intracellular Ca2+ and activating the FAK/Rho GTPases signaling pathways in vitro. Stem Cell Research and Therapy, 2018, 9, 143.	2.4	35
15	Effects of electromagnetic fields on bone loss in hyperthyroidism rat model. Bioelectromagnetics, 2017, 38, 137-150.	0.9	8
16	Influence of hydrodynamic pressure on the proliferation and osteogenic differentiation of bone mesenchymal stromal cells seeded on polyurethane scaffolds. Journal of Biomedical Materials Research - Part A, 2017, 105, 3445-3455.	2.1	8
17	Regulation of the osteogenic and adipogenic differentiation of bone marrow-derived stromal cells by extracellular uridine triphosphate: The role of P2Y2 receptor and ERK1/2 signaling. International Journal of Molecular Medicine, 2016, 37, 63-73.	1.8	41
18	Influence of biomechanical and biochemical stimulation on the proliferation and differentiation of bone marrow stromal cells seeded on polyurethane scaffolds. Experimental and Therapeutic Medicine, 2016, 11, 2086-2094.	0.8	9

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19	Effects of electromagnetic fields on the metabolism of lubricin of rat chondrocytes. Connective Tissue Research, 2016, 57, 152-160.	1.1	4
20	The effect of electromagnetic fields on the proliferation and the osteogenic or adipogenic differentiation of mesenchymal stem cells modulated by dexamethasone. Bioelectromagnetics, 2014, 35, 479-490.	0.9	26
21	Fabrication of composition-graded collagen/chitosanâ€“polylactide scaffolds with gradient architecture and properties. Reactive and Functional Polymers, 2014, 83, 98-106.	2.0	23
22	Effect of 1â€‰mT sinusoidal electromagnetic fields on proliferation and osteogenic differentiation of rat bone marrow mesenchymal stromal cells. Bioelectromagnetics, 2013, 34, 453-464.	0.9	35
23	Meniscus reconstruction: todayâ€™s achievements and premises for the future. Archives of Orthopaedic and Trauma Surgery, 2013, 133, 95-109.	1.3	33
24	Influence of perfusion and compression on the proliferation and differentiation of bone mesenchymal stromal cells seeded on polyurethane scaffolds. Biomaterials, 2012, 33, 1052-1064.	5.7	90