Shang-Chun Guo

List of Publications by Year
in descending order

54 papers	4,576 citations	186209 28 h-index	189801 50 g-index
55 all docs	55 docs citations	55 times ranked	6474 citing authors

#	Article	IF	Citations
1	Polymeric coating on Î²-TCP scaffolds provides immobilization of small extracellular vesicles with surface-functionalization and ZEB1-Loading for bone defect repair in diabetes mellitus. Biomaterials, 2022, 283, 121465.	5.7	29
2	Small extracellular vesicles with LncRNA H19 â€œoverloadâ€• YAP Regulation as a Tendon Repair Therapeutic Tactic. IScience, 2021, 24, 102200.	1.9	8
3	Small extracellular vesicles in combination with sleep-related circRNA3503: A targeted therapeutic agent with injectable thermosensitive hydrogel to prevent osteoarthritis. Bioactive Materials, 2021, 6, 4455-4469.	8.6	70
4	Role of extracellular vesicles in tumour microenvironment. Cell Communication and Signaling, 2020, 18, 163.	2.7	43
5	EWSAT1 Acts in Concert with Exosomes in Osteosarcoma Progression and Tumorâ€Induced Angiogenesis: The â€œDouble Stacking Effectâ€• Advanced Biology, 2020, 4, e2000152.	3.0	17
6	A 3D-printed, personalized, biomechanics-specific beta-tricalcium phosphate bioceramic rod system: personalized treatment strategy for patients with femoral shaft non-union based on finite element analysis. BMC Musculoskeletal Disorders, 2020, 21, 421.	0.8	2
7	J-bone graft with double locking plate: a symphony of mechanics and biology for atrophic distal femoral non-union with bone defect. Journal of Orthopaedic Surgery and Research, 2020, 15, 144.	0.9	10
8	Extracellular vesicles in bone: â€œdogrobbersâ€•in the â€œeternal battle fieldâ€• Cell Communication and Signaling, 2019, 17, 6.	2.7	29
9	A Novel Role for Extracellular Vesicles in Cytopathology and New Therapeutic Strategies. BioMed Research International, 2019, 2019, 1-2.	0.9	5
10	Extracellular Vesicles: Modularized Extracellular Vesicles: The Dawn of Prospective Personalized and Precision Medicine (Adv. Sci. 2/2018). Advanced Science, 2018, 5, 1870007.	5.6	0
11	Extracellular vesicle-mimetic nanovesicles transport LncRNA-H19 as competing endogenous RNA for the treatment of diabetic wounds. Drug Delivery, 2018, 25, 241-255.	2.5	114
12	Modularized Extracellular Vesicles: The Dawn of Prospective Personalized and Precision Medicine. Advanced Science, 2018, 5, 1700449.	5.6	67
13	Extracellular Vesicles: Potential Participants in Circadian Rhythm Synchronization. International Journal of Biological Sciences, 2018, 14, 1610-1620.	2.6	32
14	Valproic acid prevents glucocorticoidâ€‘induced osteonecrosis of the femoral head of rats. International Journal of Molecular Medicine, 2018, 41, 3433-3447.	1.8	11
15	Microfluidicsâ€based onâ€aâ€chip systems for isolating and analysing extracellular vesicles. Journal of Extracellular Vesicles, 2018, 7, 1508271.	5.5	131
16	Reimplantation of an extruded osteoarticular segment of the femur: Case series and in vitro study in a rat model. Injury, 2017, 48, 2426-2432.	0.7	2
17	Chitosan Wound Dressings Incorporating Exosomes Derived from MicroRNA-126-Overexpressing Synovium Mesenchymal Stem Cells Provide Sustained Release of Exosomes and Heal Full-Thickness Skin Defects in a Diabetic Rat Model. Stem Cells Translational Medicine, 2017, 6, 736-747.	1.6	282
18	Platelet-derived Extracellular Vesicles: An Emerging Therapeutic Approach. International Journal of Biological Sciences, 2017, 13, 828-834.	2.6	131

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19	Exosomes derived from platelet-rich plasma promote the re-epithelization of chronic cutaneous wounds via activation of YAP in a diabetic rat model. Theranostics, 2017, 7, 81-96.	4.6	311
20	Exosomes derived from human platelet-rich plasma prevent apoptosis induced by glucocorticoid-associated endoplasmic reticulum stress in rat osteonecrosis of the femoral head via the Akt/Bad/Bcl-2 signal pathway. Theranostics, 2017, 7, 733-750.	4.6	225
21	Exosomes derived from miR-140-5p-overexpressing human synovial mesenchymal stem cells enhance cartilage tissue regeneration and prevent osteoarthritis of the knee in a rat model. Theranostics, 2017, 7, 180-195.	4.6	507
22	Role of Phosphorylated HDAC4 in Stroke-Induced Angiogenesis. BioMed Research International, 2017, 2017, 1-11.	0.9	19
23	Human urine-derived stem cells contribute to the repair of ischemic acute kidney injury in rats. Molecular Medicine Reports, 2017, 16, 5541-5548.	1.1	28
24	Advantages of Pure Platelet-Rich Plasma Compared with Leukocyte- and Platelet-Rich Plasma in Treating Rabbit Knee Osteoarthritis. Medical Science Monitor, 2016, 22, 1280-1290.	0.5	53
25	Exosomes from Human Synovial-Derived Mesenchymal Stem Cells Prevent Glucocorticoid-Induced Osteonecrosis of the Femoral Head in the Rat. International Journal of Biological Sciences, 2016, 12, 1262-1272.	2.6	81
26	Proton-sensing GPCR-YAP Signalling Promotes Cancer-associated Fibroblast Activation of Mesenchymal Stem Cells. International Journal of Biological Sciences, 2016, 12, 389-396.	2.6	32
27	Fabrication of hydroxyapatite/chitosan composite hydrogels loaded with exosomes derived from miR-126-3p overexpressed synovial mesenchymal stem cells for diabetic chronic wound healing. Journal of Materials Chemistry B, 2016, 4, 6830-6841.	2.9	92
28	Decreased extracellular pH inhibits osteogenesis through proton-sensing GPR4-mediated suppression of yes-associated protein. Scientific Reports, 2016, 6, 26835.	1.6	23
29	Exosomes secreted by human urine-derived stem cells could prevent kidney complications from type I diabetes in rats. Stem Cell Research and Therapy, 2016, 7, 24.	2.4	195
30	An in situ phototriggered-imine-crosslink composite hydrogel for bone defect repair. Journal of Materials Chemistry B, 2016, 4, 973-981.	2.9	30
31	Exosomes secreted by human-induced pluripotent stem cell-derived mesenchymal stem cells attenuate limb ischemia by promoting angiogenesis in mice. Stem Cell Research and Therapy, 2015, 6, 10.	2.4	294
32	Identification of biomarkers for bone union promoted by mechanical stimulation. Frontiers in Bioscience - Landmark, 2015, 20, 1036-1046.	3.0	0
33	Human Urine Derived Stem Cells in Combination with Î²-TCP Can Be Applied for Bone Regeneration. PLoS ONE, 2015, 10, e0125253.	1.1	49
34	Bone morphogenetic protein 2 gene transduction enhances the osteogenic potential of human urine-derived stem cells. Stem Cell Research and Therapy, 2015, 6, 5.	2.4	39
35	Transplantation of induced pluripotent stem cell-derived renal stem cells improved acute kidney injury. Cell and Bioscience, 2015, 5, 45.	2.1	30
36	Bioactive borate glass promotes the repair of radius segmental bone defects by enhancing the osteogenic differentiation of BMSCs. Biomedical Materials (Bristol), 2015, 10, 065011.	1.7	23

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37	Exosomes released from human induced pluripotent stem cells-derived MSCs facilitate cutaneous wound healing by promoting collagen synthesis and angiogenesis. Journal of Translational Medicine, 2015, 13, 49.	1.8	533
38	Human urine-derived stem cells can be induced into osteogenic lineage by silicate bioceramics via activation of the Wnt/Î²-catenin signaling pathway. Biomaterials, 2015, 55, 1-11.	5.7	76
39	Construction of PRP-containing nanofibrous scaffolds for controlled release and their application to cartilage regeneration. Journal of Materials Chemistry B, 2015, 3, 581-591.	2.9	22
40	The Effect of 3D Nanofibrous Scaffolds on the Chondrogenesis of Induced Pluripotent Stem Cells and Their Application in Restoration of Cartilage Defects. PLoS ONE, 2014, 9, e111566.	1.1	63
41	Human urine-derived stem cells in combination with polycaprolactone/gelatin nanofibrous membranes enhance wound healing by promoting angiogenesis. Journal of Translational Medicine, 2014, 12, 274.	1.8	72
42	Repression of SIRT1 Promotes the Differentiation of Mouse Induced Pluripotent Stem Cells into Neural Stem Cells. Cellular and Molecular Neurobiology, 2014, 34, 905-912.	1.7	24
43	Biological Characteristics of Human-Urine-Derived Stem Cells: Potential for Cell-Based Therapy in Neurology. Tissue Engineering - Part A, 2014, 20, 1794-1806.	1.6	87
44	An implantable electrical stimulator used for peripheral nerve rehabilitation in rats. Experimental and Therapeutic Medicine, 2013, 6, 22-28.	0.8	9
45	Effects of low temperatures on proliferation-related signaling pathways in the hippocampus after traumatic brain injury. Experimental Biology and Medicine, 2012, 237, 1424-1432.	1.1	33
46	Applications of Leukocyte- and Platelet-Rich Plasma (L-PRP) in Trauma Surgery. Current Pharmaceutical Biotechnology, 2012, 13, 1173-1184.	0.9	66
47	Caspase-3 may be employed as an early predictor for fracture-induced osteonecrosis of the femoral head in a canine model. Molecular Medicine Reports, 2012, 6, 611-614.	1.1	3
48	miR-210 activates notch signaling pathway in angiogenesis induced by cerebral ischemia. Molecular and Cellular Biochemistry, 2012, 370, 45-51.	1.4	185
49	Comparative evaluation of MSCs from bone marrow and adipose tissue seeded in PRP-derived scaffold for cartilage regeneration. Biomaterials, 2012, 33, 7008-7018.	5.7	257
50	Monolayer culture followed by three-dimensional culture of chondrocytes: a two-step method. Academic Journal of Second Military Medical University, 2010, 30, 970-974.	0.0	0
51	Using the implantable electrical stimulator for peripheral nerve rehabilitation: A study in an animal model. Journal of Shanghai Jiaotong University (Science), 2009, 14, 635-640.	0.5	0
52	Variations in the ratios of co-cultured mesenchymal stem cells and chondrocytes regulate the expression of cartilaginous and osseous phenotype in alginate constructs. Bone, 2009, 45, 42-51.	1.4	115
53	ï»¿ï»¿ï»¿ï»¿ï»¿ï»¿ï»¿ ï»¿Autologous Platelet-rich Plasma Enhances Healing of Chronic Wounds. Wounds, 2009, 21, 280-5.	0.2	15
54	Differential diagnosis of cervical nerve compression syndrome of the external intervertebral foramen. Frontiers of Medicine in China, 2007, 1, 177-180.	0.1	0