

Shang-Chun Guo

List of Publications by Year in descending order

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Version: 2024-02-01

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	Exosomes released from human induced pluripotent stem cells-derived MSCs facilitate cutaneous wound healing by promoting collagen synthesis and angiogenesis. <i>Journal of Translational Medicine</i> , 2015, 13, 49.	1.8	533
2	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. <i>Theranostics</i> , 2017, 7, 180-195.	4.6	507
3	Exosomes derived from platelet-rich plasma promote the re-epithelization of chronic cutaneous wounds via activation of YAP in a diabetic rat model. <i>Theranostics</i> , 2017, 7, 81-96.	4.6	311
4	Exosomes secreted by human-induced pluripotent stem cell-derived mesenchymal stem cells attenuate limb ischemia by promoting angiogenesis in mice. <i>Stem Cell Research and Therapy</i> , 2015, 6, 10.	2.4	294
5	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. <i>Stem Cells Translational Medicine</i> , 2017, 6, 736-747.	1.6	282
6	Comparative evaluation of MSCs from bone marrow and adipose tissue seeded in PRP-derived scaffold for cartilage regeneration. <i>Biomaterials</i> , 2012, 33, 7008-7018.	5.7	257
7	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. <i>Theranostics</i> , 2017, 7, 733-750.	4.6	225
8	Exosomes secreted by human urine-derived stem cells could prevent kidney complications from type I diabetes in rats. <i>Stem Cell Research and Therapy</i> , 2016, 7, 24.	2.4	195
9	miR-210 activates notch signaling pathway in angiogenesis induced by cerebral ischemia. <i>Molecular and Cellular Biochemistry</i> , 2012, 370, 45-51.	1.4	185
10	Platelet-derived Extracellular Vesicles: An Emerging Therapeutic Approach. <i>International Journal of Biological Sciences</i> , 2017, 13, 828-834.	2.6	131
11	Microfluidics-based on-chip systems for isolating and analysing extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1508271.	5.5	131
12	Variations in the ratios of co-cultured mesenchymal stem cells and chondrocytes regulate the expression of cartilaginous and osseous phenotype in alginate constructs. <i>Bone</i> , 2009, 45, 42-51.	1.4	115
13	Extracellular vesicle-mimetic nanovesicles transport LncRNA-H19 as competing endogenous RNA for the treatment of diabetic wounds. <i>Drug Delivery</i> , 2018, 25, 241-255.	2.5	114
14	Fabrication of hydroxyapatite/chitosan composite hydrogels loaded with exosomes derived from miR-126-3p overexpressed synovial mesenchymal stem cells for diabetic chronic wound healing. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6830-6841.	2.9	92
15	Biological Characteristics of Human-Urine-Derived Stem Cells: Potential for Cell-Based Therapy in Neurology. <i>Tissue Engineering - Part A</i> , 2014, 20, 1794-1806.	1.6	87
16	Exosomes from Human Synovial-Derived Mesenchymal Stem Cells Prevent Glucocorticoid-Induced Osteonecrosis of the Femoral Head in the Rat. <i>International Journal of Biological Sciences</i> , 2016, 12, 1262-1272.	2.6	81
17	Human urine-derived stem cells can be induced into osteogenic lineage by silicate bioceramics via activation of the Wnt/ β -catenin signaling pathway. <i>Biomaterials</i> , 2015, 55, 1-11.	5.7	76
18	Human urine-derived stem cells in combination with polycaprolactone/gelatin nanofibrous membranes enhance wound healing by promoting angiogenesis. <i>Journal of Translational Medicine</i> , 2014, 12, 274.	1.8	72

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19	Small extracellular vesicles in combination with sleep-related circRNA3503: A targeted therapeutic agent with injectable thermosensitive hydrogel to prevent osteoarthritis. <i>Bioactive Materials</i> , 2021, 6, 4455-4469.	8.6	70
20	Modularized Extracellular Vesicles: The Dawn of Prospective Personalized and Precision Medicine. <i>Advanced Science</i> , 2018, 5, 1700449.	5.6	67
21	Applications of Leukocyte- and Platelet-Rich Plasma (L-PRP) in Trauma Surgery. <i>Current Pharmaceutical Biotechnology</i> , 2012, 13, 1173-1184.	0.9	66
22	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.	1.1	63
23	Advantages of Pure Platelet-Rich Plasma Compared with Leukocyte- and Platelet-Rich Plasma in Treating Rabbit Knee Osteoarthritis. <i>Medical Science Monitor</i> , 2016, 22, 1280-1290.	0.5	53
24	Human Urine Derived Stem Cells in Combination with \hat{I}^2 -TCP Can Be Applied for Bone Regeneration. <i>PLoS ONE</i> , 2015, 10, e0125253.	1.1	49
25	Role of extracellular vesicles in tumour microenvironment. <i>Cell Communication and Signaling</i> , 2020, 18, 163.	2.7	43
26	Bone morphogenetic protein 2 gene transduction enhances the osteogenic potential of human urine-derived stem cells. <i>Stem Cell Research and Therapy</i> , 2015, 6, 5.	2.4	39
27	Effects of low temperatures on proliferation-related signaling pathways in the hippocampus after traumatic brain injury. <i>Experimental Biology and Medicine</i> , 2012, 237, 1424-1432.	1.1	33
28	Proton-sensing GPCR-YAP Signalling Promotes Cancer-associated Fibroblast Activation of Mesenchymal Stem Cells. <i>International Journal of Biological Sciences</i> , 2016, 12, 389-396.	2.6	32
29	Extracellular Vesicles: Potential Participants in Circadian Rhythm Synchronization. <i>International Journal of Biological Sciences</i> , 2018, 14, 1610-1620.	2.6	32
30	Transplantation of induced pluripotent stem cell-derived renal stem cells improved acute kidney injury. <i>Cell and Bioscience</i> , 2015, 5, 45.	2.1	30
31	An in situ phototriggered-imine-crosslink composite hydrogel for bone defect repair. <i>Journal of Materials Chemistry B</i> , 2016, 4, 973-981.	2.9	30
32	Extracellular vesicles in bone: "œdogrobbers" in the "œeternal battle field". <i>Cell Communication and Signaling</i> , 2019, 17, 6.	2.7	29
33	Polymeric coating on \hat{I}^2 -TCP scaffolds provides immobilization of small extracellular vesicles with surface-functionalization and ZEB1-Loading for bone defect repair in diabetes mellitus. <i>Biomaterials</i> , 2022, 283, 121465.	5.7	29
34	Human urine-derived stem cells contribute to the repair of ischemic acute kidney injury in rats. <i>Molecular Medicine Reports</i> , 2017, 16, 5541-5548.	1.1	28
35	Repression of SIRT1 Promotes the Differentiation of Mouse Induced Pluripotent Stem Cells into Neural Stem Cells. <i>Cellular and Molecular Neurobiology</i> , 2014, 34, 905-912.	1.7	24
36	Bioactive borate glass promotes the repair of radius segmental bone defects by enhancing the osteogenic differentiation of BMSCs. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 065011.	1.7	23

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37	Decreased extracellular pH inhibits osteogenesis through proton-sensing GPR4-mediated suppression of yes-associated protein. <i>Scientific Reports</i> , 2016, 6, 26835.	1.6	23
38	Construction of PRP-containing nanofibrous scaffolds for controlled release and their application to cartilage regeneration. <i>Journal of Materials Chemistry B</i> , 2015, 3, 581-591.	2.9	22
39	Role of Phosphorylated HDAC4 in Stroke-Induced Angiogenesis. <i>BioMed Research International</i> , 2017, 2017, 1-11.	0.9	19
40	EWSAT1 Acts in Concert with Exosomes in Osteosarcoma Progression and Tumor-Induced Angiogenesis: The "Double Stacking Effect". <i>Advanced Biology</i> , 2020, 4, e2000152.	3.0	17
41	Autologous Platelet-rich Plasma Enhances Healing of Chronic Wounds. <i>Wounds</i> , 2009, 21, 280-282.	0.2	15
42	Valproic acid prevents glucocorticoid-induced osteonecrosis of the femoral head of rats. <i>International Journal of Molecular Medicine</i> , 2018, 41, 3433-3447.	1.8	11
43	J-bone graft with double locking plate: a symphony of mechanics and biology for atrophic distal femoral non-union with bone defect. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 144.	0.9	10
44	An implantable electrical stimulator used for peripheral nerve rehabilitation in rats. <i>Experimental and Therapeutic Medicine</i> , 2013, 6, 22-28.	0.8	9
45	Small extracellular vesicles with LncRNA H19 overload YAP Regulation as a Tendon Repair Therapeutic Tactic. <i>IScience</i> , 2021, 24, 102200.	1.9	8
46	A Novel Role for Extracellular Vesicles in Cytopathology and New Therapeutic Strategies. <i>BioMed Research International</i> , 2019, 2019, 1-2.	0.9	5
47	Caspase-3 may be employed as an early predictor for fracture-induced osteonecrosis of the femoral head in a canine model. <i>Molecular Medicine Reports</i> , 2012, 6, 611-614.	1.1	3
48	Reimplantation of an extruded osteoarticular segment of the femur: Case series and in vitro study in a rat model. <i>Injury</i> , 2017, 48, 2426-2432.	0.7	2
49	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. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 421.	0.8	2
50	Differential diagnosis of cervical nerve compression syndrome of the external intervertebral foramen. <i>Frontiers of Medicine in China</i> , 2007, 1, 177-180.	0.1	0
51	Using the implantable electrical stimulator for peripheral nerve rehabilitation: A study in an animal model. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2009, 14, 635-640.	0.5	0
52	Identification of biomarkers for bone union promoted by mechanical stimulation. <i>Frontiers in Bioscience - Landmark</i> , 2015, 20, 1036-1046.	3.0	0
53	Extracellular Vesicles: Modularized Extracellular Vesicles: The Dawn of Prospective Personalized and Precision Medicine (<i>Adv. Sci.</i> 2/2018). <i>Advanced Science</i> , 2018, 5, 1870007.	5.6	0
54	Monolayer culture followed by three-dimensional culture of chondrocytes: a two-step method. <i>Academic Journal of Second Military Medical University</i> , 2010, 30, 970-974.	0.0	0