

Shuanhu Zhou

List of Publications by Year in descending order

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62
papers

3,683
citations

182225

30
h-index

145109

60
g-index

64
all docs

64
docs citations

64
times ranked

5637
citing authors

#	ARTICLE	IF	CITATIONS
1	Age-related intrinsic changes in human bone-marrow-derived mesenchymal stem cells and their differentiation to osteoblasts. <i>Aging Cell</i> , 2008, 7, 335-343.	3.0	668
2	Exogenously Regulated Stem Cell-Mediated Gene Therapy for Bone Regeneration. <i>Molecular Therapy</i> , 2001, 3, 449-461.	3.7	240
3	Engineered human mesenchymal stem cells: a novel platform for skeletal cell mediated gene therapy. <i>Journal of Gene Medicine</i> , 2001, 3, 240-251.	1.4	208
4	Cooperation Between TGF- β^2 and Wnt Pathways During Chondrocyte and Adipocyte Differentiation of Human Marrow Stromal Cells. <i>Journal of Bone and Mineral Research</i> , 2003, 19, 463-470.	3.1	203
5	Piezo1/2 mediate mechanotransduction essential for bone formation through concerted activation of NFAT-YAP1- β -catenin. <i>ELife</i> , 2020, 9, .	2.8	161
6	Estrogen modulates estrogen receptor α and β expression, osteogenic activity, and apoptosis in mesenchymal stem cells (MSCs) of osteoporotic mice. <i>Journal of Cellular Biochemistry</i> , 2001, 81, 144-155.	1.2	150
7	The Melatonin MT1 Receptor Axis Modulates Mutant Huntingtin-Mediated Toxicity. <i>Journal of Neuroscience</i> , 2011, 31, 14496-14507.	1.7	145
8	Estrogens Activate Bone Morphogenetic Protein-2 Gene Transcription in Mouse Mesenchymal Stem Cells. <i>Molecular Endocrinology</i> , 2003, 17, 56-66.	3.7	134
9	Systemically administered rhBMP-2 promotes MSC activity and reverses bone and cartilage loss in osteopenic mice. <i>Journal of Cellular Biochemistry</i> , 2002, 86, 461-474.	1.2	113
10	TGF- β^2 regulates β -catenin signaling and osteoblast differentiation in human mesenchymal stem cells. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 1651-1660.	1.2	107
11	Melatonin and Autophagy in Aging-Related Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7174.	1.8	87
12	Hypoxia Inhibition of Adipocytogenesis in Human Bone Marrow Stromal Cells Requires Transforming Growth Factor- β^2 /Smad3 Signaling. <i>Journal of Biological Chemistry</i> , 2005, 280, 22688-22696.	1.6	86
13	Vitamin D Metabolism and Action in Human Bone Marrow Stromal Cells. <i>Endocrinology</i> , 2010, 151, 14-22.	1.4	84
14	Effects of 25-hydroxyvitamin D3 on proliferation and osteoblast differentiation of human marrow stromal cells require CYP27B1/1 α -hydroxylase. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 1145-1153.	3.1	75
15	Role of Alcohol Drinking in Alzheimer's Disease, Parkinson's Disease, and Amyotrophic Lateral Sclerosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2316.	1.8	75
16	Effect of Age on Regulation of Human Osteoclast Differentiation. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 1412-1419.	1.2	70
17	Protection of melatonin in experimental models of newborn hypoxic-ischemic brain injury through MT_1 receptor. <i>Journal of Pineal Research</i> , 2018, 64, e12443.	3.4	62
18	The multiple protective roles and molecular mechanisms of melatonin and its precursor N-acetylserotonin in targeting brain injury and liver damage and in maintaining bone health. <i>Free Radical Biology and Medicine</i> , 2019, 130, 215-233.	1.3	59

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19	Neuroprotective agents for neonatal hypoxic-ischemic brain injury. <i>Drug Discovery Today</i> , 2015, 20, 1372-1381.	3.2	52
20	Clinical characteristics influence in vitro action of 1,25-dihydroxyvitamin D3 in human marrow stromal cells. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 1992-2000.	3.1	51
21	Recombinant TGF- β 1 stimulates bone marrow osteoprogenitor cell activity and bone matrix synthesis in osteopenic, old male mice. <i>Journal of Cellular Biochemistry</i> , 1999, 73, 379-389.	1.2	46
22	Plant-derived neuroprotective agents in Parkinson's disease. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 1189-202.	0.0	46
23	Age-related decline in osteoblastogenesis and $1\alpha,25$ -dihydroxylase/CYP27B1 in human mesenchymal stem cells: stimulation by parathyroid hormone. <i>Aging Cell</i> , 2011, 10, 962-971.	3.0	45
24	Deminerlized bone promotes chondrocyte or osteoblast differentiation of human marrow stromal cells cultured in collagen sponges. <i>Cell and Tissue Banking</i> , 2005, 6, 33-44.	0.5	44
25	Reduced Osteoclastogenesis and RANKL Expression in Marrow from Women Taking Alendronate. <i>Calcified Tissue International</i> , 2011, 88, 272-280.	1.5	39
26	Vitamin D metabolism in human bone marrow stromal (mesenchymal stem) cells. <i>Metabolism: Clinical and Experimental</i> , 2013, 62, 768-777.	1.5	39
27	Inhibition of adipocytogenesis by canonical WNT signaling in human mesenchymal stem cells. <i>Experimental Cell Research</i> , 2011, 317, 1796-1803.	1.2	35
28	Effects of age and gender on WNT gene expression in human bone marrow stromal cells. <i>Journal of Cellular Biochemistry</i> , 2009, 106, 337-343.	1.2	34
29	N-acetylmethionine, but not N-acetylmethionine, rescues neuronal cell death in models of amyotrophic lateral sclerosis. <i>Journal of Neurochemistry</i> , 2015, 134, 956-968.	2.1	34
30	Methazolamide improves neurological behavior by inhibition of neuron apoptosis in subarachnoid hemorrhage mice. <i>Scientific Reports</i> , 2016, 6, 35055.	1.6	34
31	Comparison of TGF- β 2/BMP Pathways Signaled by Deminerlized Bone Powder and BMP-2 in Human Dermal Fibroblasts. <i>Journal of Bone and Mineral Research</i> , 2004, 19, 1732-1741.	3.1	32
32	The Impact of Mitochondrial Dysfunction in Amyotrophic Lateral Sclerosis. <i>Cells</i> , 2022, 11, 2049.	1.8	28
33	Increased longevity of hematopoiesis in continuous bone marrow cultures and adipocytogenesis in marrow stromal cells derived from Smad3 ^{-/-} mice. <i>Experimental Hematology</i> , 2005, 33, 353-362.	0.2	27
34	Influence of osteoarthritis grade on molecular signature of human cartilage. <i>Journal of Orthopaedic Research</i> , 2016, 34, 454-462.	1.2	26
35	Adipocyte differentiation in Sod2 ^{-/-} and Sod2 ^{+/-} murine bone marrow stromal cells is associated with low antioxidant pools. <i>Experimental Hematology</i> , 2005, 33, 1201-1208.	0.2	25
36	Effects of age on parathyroid hormone signaling in human marrow stromal cells. <i>Aging Cell</i> , 2011, 10, 780-788.	3.0	23

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37	Dehydroepiandrosterone Stimulation of Osteoblastogenesis in Human MSCs Requires IGF1 Signaling. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 1769-1774.	1.2	22
38	The Biogenesis of miRNAs and Their Role in the Development of Amyotrophic Lateral Sclerosis. <i>Cells</i> , 2022, 11, 572.	1.8	21
39	Histone deacetylation mediates the rejuvenation of osteoblastogenesis by the combination of 25(OH)D3 and parathyroid hormone in MSCs from elders. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 136, 156-159.	1.2	19
40	Dehydroepiandrosterone and Bone. <i>Vitamins and Hormones</i> , 2018, 108, 251-271.	0.7	17
41	Chronic kidney disease and vitamin D metabolism in human bone marrow-derived MSCs. <i>Annals of the New York Academy of Sciences</i> , 2017, 1402, 43-55.	1.8	16
42	From Bone to Brain: Human Skeletal Stem Cell Therapy for Stroke. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2011, 11, 157-163.	0.5	15
43	Suppression of Homeobox Transcription Factor VentX Promotes Expansion of Human Hematopoietic Stem/Multipotent Progenitor Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 29979-29987.	1.6	15
44	Potential Roles of the WNT Signaling Pathway in Amyotrophic Lateral Sclerosis. <i>Cells</i> , 2021, 10, 839.	1.8	15
45	Mechanisms of Osteoinduction/Chondroinduction by Demineralized Bone. <i>Journal of Craniofacial Surgery</i> , 2009, 20, 634-638.	0.3	14
46	Vitamin D metabolism and action in human marrow stromal cells: Effects of chronic kidney disease. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 136, 342-344.	1.2	13
47	Megalyn mediates 25-hydroxyvitamin D ₃ actions in human mesenchymal stem cells. <i>FASEB Journal</i> , 2019, 33, 7684-7693.	0.2	13
48	Increased Adipocytogenesis and Hematopoiesis in Long-Term Bone Marrow Cultures from SMAD3 ^{-/-} Mice. <i>Blood</i> , 2004, 104, 1298-1298.	0.6	13
49	Synergistic stimulation of osteoblast differentiation of rat mesenchymal stem cells by leptin and 25(OH)D3 is mediated by inhibition of chaperone-mediated autophagy. <i>Stem Cell Research and Therapy</i> , 2021, 12, 557.	2.4	13
50	Paracrine effects of haematopoietic cells on human mesenchymal stem cells. <i>Scientific Reports</i> , 2015, 5, 10573.	1.6	12
51	Synergistic effect of 1,25-dihydroxyvitamin D3 and 17 β -estradiol on osteoblast differentiation of pediatric MSCs. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 177, 103-108.	1.2	11
52	Wnt pathway regulation by demineralized bone is approximated by both BMP2 and TGF β 1 signaling. <i>Journal of Orthopaedic Research</i> , 2013, 31, 554-560.	1.2	10
53	Sox9 regulates hyperexpression of Wnt1 and Fzd1 in human osteosarcoma tissues and cells. <i>International Journal of Clinical and Experimental Pathology</i> , 2014, 7, 4795-805.	0.5	10
54	A Traditional Chinese Medicine Plant Extract Prevents Alcohol-Induced Osteopenia. <i>Frontiers in Pharmacology</i> , 2021, 12, 754088.	1.6	10

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55	Obesity and leptin influence vitamin D metabolism and action in human marrow stromal cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020, 198, 105564.	1.2	8
56	Fibroblast growth factor 23 counters vitamin D metabolism and action in human mesenchymal stem cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020, 199, 105587.	1.2	8
57	Dysregulated in vitro hematopoiesis, radiosensitivity, proliferation, and osteoblastogenesis with marrow from SAMP6 mice. <i>Experimental Hematology</i> , 2012, 40, 499-509.	0.2	6
58	The lentiviral-mediated Nurr1 genetic engineering mesenchymal stem cells protect dopaminergic neurons in a rat model of Parkinson's disease. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 1583-1599.	0.0	5
59	Tartary buckwheat extract alleviates alcohol-induced acute and chronic liver injuries through the inhibition of oxidative stress and mitochondrial cell death pathway. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 70-89.	0.0	5
60	Melatonin in neuroskeletal biology. <i>Current Opinion in Pharmacology</i> , 2021, 61, 42-48.	1.7	4
61	Clinical Variables that Influence Properties of Human Mesenchymal Stromal Cells. <i>Regenerative Engineering and Translational Medicine</i> , 2020, 6, 310-321.	1.6	0
62	Use of Stem Cells in Spinal Treatments. , 2019, , 117-125.		0