Xing-Ming Shi

List of Publications by Year in Descending Order

60 papers	2,581 citations	27 h-index	50 g-index
62 ext. papers	2,891 ext. citations	4.6 avg, IF	5.08 L-index

#	Paper	IF	Citations
60	The Glucocorticoid Receptor in Osterix-Expressing Cells Regulates Bone Mass, Bone Marrow Adipose Tissue, and Systemic Metabolism in Female Mice During Aging. *Journal of Bone and Mineral Research*, **2021**,	6.3	1
59	Inhibition of Fibroblast Activation in Uterine Leiomyoma by Components of and. *Frontiers in Public Health*, **2021**, 9, 650022	6	1
58	Ameliorative Effects of Component Chinese Medicine From and , a Traditional Herb Pair, on Uterine Leiomyoma in a Rat Model. *Frontiers in Public Health*, **2021**, 9, 674357	6	2
57	Photobiomodulation has rejuvenating effects on aged bone marrow mesenchymal stem cells. *Scientific Reports*, **2021**, 11, 13067	4.9	1
56	Deficiency of PPAR Gamma in Bone Marrow Stromal Cells Does Not Prevent High-Fat Diet-Induced Bone Deterioration in Mice. *Current Developments in Nutrition*, **2021**, 5, 1200-1200	0.4	78
55	Deficiency of PPARγ in Bone Marrow Stromal Cells Does not Prevent High-Fat Diet-Induced Bone Deterioration in Mice. *Journal of Nutrition*, **2021**, 151, 2697-2704	4.1	0
54	Age-associated changes in microRNAs affect the differentiation potential of human mesenchymal stem cells: Novel role of miR-29b-1-5p expression. *Bone*, **2021**, 153, 116154	4.7	2
53	Age-related increase of kynurenine enhances miR29b-1-5p to decrease both CXCL12 signaling and the epigenetic enzyme Hdac3 in bone marrow stromal cells. *Bone Reports*, **2020**, 12, 100270	2.6	12
52	Deletion of PPARγ in Mesenchymal Lineage Cells Protects Against Aging-Induced Cortical Bone Loss in Mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2020**, 75, 826-834	6.4	5
51	Picolinic acid, a tryptophan oxidation product, does not impact bone mineral density but increases marrow adiposity. *Experimental Gerontology*, **2020**, 133, 110885	4.5	3
50	Effect of PPARγ Inhibition on Bone in Aged Animals. *Innovation in Aging*, **2020**, 4, 124-124	0.1	78
49	Kynurenine inhibits autophagy and promotes senescence in aged bone marrow mesenchymal stem cells through the aryl hydrocarbon receptor pathway. *Experimental Gerontology*, **2020**, 130, 110805	4.5	33
48	Kynurenine Promotes RANKL-Induced Osteoclastogenesis In Vitro by Activating the Aryl Hydrocarbon Receptor Pathway. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	11
47	Transcriptional profiling of uterine leiomyoma rats treated by a traditional herb pair, Curcumae rhizoma and Sparganii rhizoma. *Brazilian Journal of Medical and Biological Research*, **2019**, 52, e8132	2.8	6
46	The glucocorticoid receptor in osteoprogenitors regulates bone mass and marrow fat. *Journal of Endocrinology*, **2019**,	4.7	6
45	Endogenous Glucocorticoid Signaling in the Regulation of Bone and Marrow Adiposity: Lessons from Metabolism and Cross Talk in Other Tissues. *Current Osteoporosis Reports*, **2019**, 17, 438-445	5.4	2
44	Amino acids as signaling molecules modulating bone turnover. *Bone*, **2018**, 115, 15-24	4.7	19

43	Deletion of protein kinase D1 in osteoprogenitor cells results in decreased osteogenesis in vitro and reduced bone mineral density in vivo. *Molecular and Cellular Endocrinology*, **2018**, 461, 22-31	4.4	5
42	Differentially expressed genes in PPAR deficient MSCs. *Molecular and Cellular Endocrinology*, **2018**, 471, 97-104	4.4	5
41	Mesenchymal stem cell expression of SDF-1 synergizes with BMP-2 to augment cell-mediated healing of critical-sized mouse calvarial defects. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 1806-1819	4.4	20
40	The role of GILZ in modulation of adaptive immunity in a murine model of myocardial infarction. *Experimental and Molecular Pathology*, **2017**, 102, 408-414	4.4	8
39	MicroRNA-183-5p Increases with Age in Bone-Derived Extracellular Vesicles, Suppresses Bone Marrow Stromal (Stem) Cell Proliferation, and Induces Stem Cell Senescence. *Tissue Engineering - Part A*, **2017**, 23, 1231-1240	3.9	125
38	Kynurenine, a Tryptophan Metabolite That Accumulates With Age, Induces Bone Loss. *Journal of Bone and Mineral Research*, **2017**, 32, 2182-2193	6.3	61
37	Role of glucocorticoid-induced leucine zipper (GILZ) in inflammatory bone loss. *PLoS ONE*, **2017**, 12, e0181133	3.7	8
36	The status of glucocorticoid-induced leucine zipper protein in the salivary glands in Sjögren's syndrome: predictive and prognostic potentials. *EPMA Journal*, **2015**, 7, 3	8.8	10
35	Crosstalk between bone marrow-derived mesenchymal stem cells and regulatory T cells through a glucocorticoid-induced leucine zipper/developmental endothelial locus-1-dependent mechanism. *FASEB Journal*, **2015**, 29, 3954-63	0.9	16
34	Oxidation of the aromatic amino acids tryptophan and tyrosine disrupts their anabolic effects on bone marrow mesenchymal stem cells. *Molecular and Cellular Endocrinology*, **2015**, 410, 87-96	4.4	44
33	Impact of targeted PPAR disruption on bone remodeling. *Molecular and Cellular Endocrinology*, **2015**, 410, 27-34	4.4	29
32	Mesenchymal stem cell expression of stromal cell-derived factor-1 augments bone formation in a model of local regenerative therapy. *Journal of Orthopaedic Research*, **2015**, 33, 174-84	3.8	10
31	Impact of dietary aromatic amino acids on osteoclastic activity. *Calcified Tissue International*, **2014**, 95, 174-82	3.9	16
30	Aromatic amino acid activation of signaling pathways in bone marrow mesenchymal stem cells depends on oxygen tension. *PLoS ONE*, **2014**, 9, e91108	3.7	14
29	Inhibition of glycogen synthase kinase-3 attenuates glucocorticoid-induced suppression of myogenic differentiation in vitro. *PLoS ONE*, **2014**, 9, e105528	3.7	14
28	Role of glucocorticoid-induced leucine zipper (GILZ) in bone acquisition. *Journal of Biological Chemistry*, **2014**, 289, 19373-82	5.4	23
27	Total body irradiation is permissive for mesenchymal stem cell-mediated new bone formation following local transplantation. *Tissue Engineering - Part A*, **2014**, 20, 3212-27	3.9	14
26	Stromal cell-derived factor-1 potentiates bone morphogenetic protein-2-stimulated osteoinduction of genetically engineered bone marrow-derived mesenchymal stem cells in vitro. *Tissue Engineering - Part A*, **2013**, 19, 1-13	3.9	35

25	Effects of the activin A-myostatin-follistatin system on aging bone and muscle progenitor cells. *Experimental Gerontology*, **2013**, 48, 290-7	4.5	51
24	Swedish mutant APP suppresses osteoblast differentiation and causes osteoporotic deficit, which are ameliorated by N-acetyl-L-cysteine. *Journal of Bone and Mineral Research*, **2013**, 28, 2122-35	6.3	35
23	Stromal cell-derived factor-1 mediates cell survival through enhancing autophagy in bone marrow-derived mesenchymal stem cells. *PLoS ONE*, **2013**, 8, e58207	3.7	61
22	Absence of functional leptin receptor isoforms in the POUND (Lepr(db/lb)) mouse is associated with muscle atrophy and altered myoblast proliferation and differentiation. *PLoS ONE*, **2013**, 8, e72330	3.7	36
21	A comparative study of bone marrow mesenchymal stem cell functionality in C57BL and mdx mice. *Neuroscience Letters*, **2012**, 523, 139-44	3.3	4
20	Effects of matrix metalloproteinase-1 on the myogenic differentiation of bone marrow-derived mesenchymal stem cells in vitro. *Biochemical and Biophysical Research Communications*, **2012**, 428, 309-14	2.4	5
19	Glucocorticoid-induced leucine zipper (GILZ) antagonizes TNF- inhibition of mesenchymal stem cell osteogenic differentiation. *PLoS ONE*, **2012**, 7, e31717	3.7	18
18	Monitoring bone marrow-originated mesenchymal stem cell traffic to myocardial infarction sites using magnetic resonance imaging. *Magnetic Resonance in Medicine*, **2011**, 65, 1430-6	4.4	6
17	ACTH protects against glucocorticoid-induced osteonecrosis of bone. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 8782-7	11.5	115
16	Regulation of mesenchymal stem cell osteogenic differentiation by glucocorticoid-induced leucine zipper (GILZ). *Journal of Biological Chemistry*, **2008**, 283, 4723-9	5.4	110
15	Impact of glucose-dependent insulinotropic peptide on age-induced bone loss. *Journal of Bone and Mineral Research*, **2008**, 23, 536-43	6.3	56
14	Glucocorticoid-induced leucine zipper (GILZ) mediates glucocorticoid action and inhibits inflammatory cytokine-induced COX-2 expression. *Journal of Cellular Biochemistry*, **2008**, 103, 1760-71	4.7	58
13	Age-related changes in the osteogenic differentiation potential of mouse bone marrow stromal cells. *Journal of Bone and Mineral Research*, **2008**, 23, 1118-28	6.3	85
12	Energy Balance, Myostatin, and GILZ: Factors Regulating Adipocyte Differentiation in Belly and Bone. *PPAR Research*, **2007**, 2007, 92501	4.3	8
11	Loss of myostatin (GDF8) function increases osteogenic differentiation of bone marrow-derived mesenchymal stem cells but the osteogenic effect is ablated with unloading. *Bone*, **2007**, 40, 1544-53	4.7	128
10	Smad4 protein stability is regulated by ubiquitin ligase SCF beta-TrCP1. *Journal of Biological Chemistry*, **2004**, 279, 14484-7	5.4	87
9	GADD34-PP1c recruited by Smad7 dephosphorylates TGFbeta type I receptor. *Journal of Cell Biology*, **2004**, 164, 291-300	7.3	216
8	A glucocorticoid-induced leucine-zipper protein, GILZ, inhibits adipogenesis of mesenchymal cells. *EMBO Reports*, **2003**, 4, 374-80	6.5	112

7	Jab1 antagonizes TGF-beta signaling by inducing Smad4 degradation. *EMBO Reports*, **2002**, 3, 171-6	6.5	143
6	TGF-β/BMP signaling in cartilage and bone cells. *Current Opinion in Orthopaedics*, **2002**, 13, 368-374		3
5	Hoxa-9 represses transforming growth factor-beta-induced osteopontin gene transcription. *Journal of Biological Chemistry*, **2001**, 276, 850-5	5.4	65
4	Transcriptional mechanisms of bone morphogenetic protein-induced osteoprotegrin gene expression. *Journal of Biological Chemistry*, **2001**, 276, 10119-25	5.4	82
3	Smad6 as a transcriptional corepressor. *Journal of Biological Chemistry*, **2000**, 275, 8267-70	5.4	122
2	Smad1 domains interacting with Hoxc-8 induce osteoblast differentiation. *Journal of Biological Chemistry*, **2000**, 275, 1065-72	5.4	94
1	Smad1 interacts with homeobox DNA-binding proteins in bone morphogenetic protein signaling. *Journal of Biological Chemistry*, **1999**, 274, 13711-7	5.4	148