

Wei He

List of Publications by Year in descending order

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97
papers

2,431
citations

218381

26
h-index

243296

44
g-index

114
all docs

114
docs citations

114
times ranked

3566
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue source determines the differentiation potentials of mesenchymal stem cells: a comparative study of human mesenchymal stem cells from bone marrow and adipose tissue. <i>Stem Cell Research and Therapy</i> , 2017, 8, 275.	2.4	201
2	Loureirin B suppresses RANKL-induced osteoclastogenesis and ovariectomized osteoporosis via attenuating NFATc1 and ROS activities. <i>Theranostics</i> , 2019, 9, 4648-4662.	4.6	141
3	Multicentric epidemiologic study on six thousand three hundred and ninety five cases of femoral head osteonecrosis in China. <i>International Orthopaedics</i> , 2016, 40, 267-276.	0.9	118
4	Role of receptor interacting protein (RIP)1 on apoptosis-inducing factor-mediated necroptosis during acetaminophen-evoked acute liver failure in mice. <i>Toxicology Letters</i> , 2014, 225, 445-453.	0.4	97
5	Linc-ROR Promotes Osteogenic Differentiation of Mesenchymal Stem Cells by Functioning as a Competing Endogenous RNA for miR-138 and miR-145. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 11, 345-353.	2.3	97
6	Polydatin promotes the osteogenic differentiation of human bone mesenchymal stem cells by activating the BMP2-Wnt/ β 2-catenin signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2019, 112, 108746.	2.5	96
7	FA-97, a New Synthetic Caffeic Acid Phenethyl Ester Derivative, Protects against Oxidative Stress-Mediated Neuronal Cell Apoptosis and Scopolamine-Induced Cognitive Impairment by Activating Nrf2/HO-1 Signaling. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-21.	1.9	67
8	Icariin promotes osteogenic differentiation of rat bone marrow stromal cells by activating the ERK1/2-Wnt/ β 2-catenin signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2016, 84, 931-939.	2.5	60
9	Increased microRNA-93-5p inhibits osteogenic differentiation by targeting bone morphogenetic protein-2. <i>PLoS ONE</i> , 2017, 12, e0182678.	1.1	59
10	Steroid-induced osteonecrosis of the femoral head reveals enhanced reactive oxygen species and hyperactive osteoclasts. <i>International Journal of Biological Sciences</i> , 2020, 16, 1888-1900.	2.6	58
11	Mir-14 is an important regulator of the musculoskeletal metabolism and disease. <i>Journal of Cellular Physiology</i> , 2019, 234, 231-245.	2.0	49
12	EGFL7: Master regulator of cancer pathogenesis, angiogenesis and an emerging mediator of bone homeostasis. <i>Journal of Cellular Physiology</i> , 2018, 233, 8526-8537.	2.0	46
13	Continuous occurrence of both insufficient neovascularization and elevated vascular permeability in rabbit proximal femur during inadequate repair of steroid-associated osteonecrotic lesions. <i>Arthritis and Rheumatism</i> , 2009, 60, 2966-2977.	6.7	45
14	Herbal Fufang Xian Ling Gu Bao prevents corticosteroid-induced osteonecrosis of the femoral head: A first multicentre, randomised, double-blind, placebo-controlled clinical trial. <i>Journal of Orthopaedic Translation</i> , 2018, 12, 36-44.	1.9	45
15	Integrated pharmacokinetics of five protoberberine-type alkaloids in normal and insomnic rats after single and multiple oral administration of Jiao-Tai-Wan. <i>Journal of Ethnopharmacology</i> , 2014, 154, 635-644.	2.0	39
16	Curcumin Promotes Osteosarcoma Cell Death by Activating miR-125a/ERR1/2 Signal Pathway. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 74-81.	1.2	38
17	Icariin stimulates osteogenic differentiation of rat bone marrow stromal stem cells by increasing TAZ expression. <i>Biomedicine and Pharmacotherapy</i> , 2017, 91, 581-589.	2.5	38
18	FA-97, a New Synthetic Caffeic Acid Phenethyl Ester Derivative, Ameliorates DSS-Induced Colitis Against Oxidative Stress by Activating Nrf2/HO-1 Pathway. <i>Frontiers in Immunology</i> , 2019, 10, 2969.	2.2	38

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19	Saikosaponin a inhibits RANKL-induced osteoclastogenesis by suppressing NF- κ B and MAPK pathways. <i>International Immunopharmacology</i> , 2015, 25, 49-54.	1.7	36
20	Hsp90 inhibitor, BIIB021, induces apoptosis and autophagy by regulating mTOR-Ulk1 pathway in imatinib-sensitive and -resistant chronic myeloid leukemia cells. <i>International Journal of Oncology</i> , 2016, 48, 1710-1720.	1.4	35
21	The Emerging Role of MORC Family Proteins in Cancer Development and Bone Homeostasis. <i>Journal of Cellular Physiology</i> , 2017, 232, 928-934.	2.0	35
22	A novel RANKL-targeted flavonoid glycoside prevents osteoporosis through inhibiting NFATc1 and reactive oxygen species. <i>Clinical and Translational Medicine</i> , 2021, 11, e392.	1.7	34
23	Genome-Wide Gene Expression Profile Analyses Identify CTTN as a Potential Prognostic Marker in Esophageal Cancer. <i>PLoS ONE</i> , 2014, 9, e88918.	1.1	33
24	Combined expression of miR-34a and Smac mediated by oncolytic vaccinia virus synergistically promote anti-tumor effects in Multiple Myeloma. <i>Scientific Reports</i> , 2016, 6, 32174.	1.6	33
25	Influence of DNA methylation on the expression of OPG/RANKL in primary osteoporosis. <i>International Journal of Medical Sciences</i> , 2018, 15, 1480-1485.	1.1	33
26	Management of osteonecrosis of the femoral head with pedicled iliac bone flap transfer: A multicenter study of 2190 patients. <i>Microsurgery</i> , 2017, 37, 896-901.	0.6	29
27	Predicting the collapse of the femoral head due to osteonecrosis: From basic methods to application prospects. <i>Journal of Orthopaedic Translation</i> , 2017, 11, 62-72.	1.9	28
28	α 7 Nicotinic acetylcholine receptor-mediated anti-inflammatory effect in a chronic migraine rat model via the attenuation of glial cell activation. <i>Journal of Pain Research</i> , 2018, Volume 11, 1129-1140.	0.8	28
29	Asiaticoside, a component of <i>Centella asiatica</i> attenuates RANKL-induced osteoclastogenesis via NFATc1 and NF- κ B signaling pathways. <i>Journal of Cellular Physiology</i> , 2019, 234, 4267-4276.	2.0	28
30	Chrysosplenetin promotes osteoblastogenesis of bone marrow stromal cells via Wnt/ β 2-catenin pathway and enhances osteogenesis in estrogen deficiency-induced bone loss. <i>Stem Cell Research and Therapy</i> , 2019, 10, 277.	2.4	27
31	Huo Xue Tong Luo capsule ameliorates osteonecrosis of femoral head through inhibiting lncRNA-Miat. <i>Journal of Ethnopharmacology</i> , 2019, 238, 111862.	2.0	27
32	Blockage of Src by Specific siRNA as a Novel Therapeutic Strategy to Prevent Destructive Repair in Steroid-Associated Osteonecrosis in Rabbits. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 2044-2057.	3.1	26
33	Bajjiasu Abrogates Osteoclast Differentiation via the Suppression of RANKL Signaling Pathways through NF- κ B and NFAT. <i>International Journal of Molecular Sciences</i> , 2017, 18, 203.	1.8	25
34	The simultaneous determination of berberine, palmatine, coptisine, epiberberine and jatrorrhizine in rat plasma by LC-MS/MS and a pharmacokinetic comparison after the oral administration of <i>Rhizoma coptidis</i> and <i>Jiao-Tai-Wan</i> extract. <i>Analytical Methods</i> , 2014, 6, 2998.	1.3	24
35	Polydatin induces bone marrow stromal cells migration by activation of ERK1/2. <i>Biomedicine and Pharmacotherapy</i> , 2016, 82, 49-53.	2.5	23
36	Huo Xue Tong Luo capsule, a vasoactive herbal formula prevents progression of asymptomatic osteonecrosis of femoral head: A prospective study. <i>Journal of Orthopaedic Translation</i> , 2019, 18, 65-73.	1.9	23

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37	Advanced Glycation End Products Induce Endothelial-to-Mesenchymal Transition via Downregulating Sirt 1 and Upregulating TGF- β 2 in Human Endothelial Cells. <i>BioMed Research International</i> , 2015, 1-12.	0.9	22
38	Asiatic Acid Inhibits OVX-Induced Osteoporosis and Osteoclastogenesis Via Regulating RANKL-Mediated NF- κ B and Nfatc1 Signaling Pathways. <i>Frontiers in Pharmacology</i> , 2020, 11, 331.	1.6	22
39	Functional proteome of bones in rats with osteoporosis following ovariectomy. <i>Life Sciences</i> , 2005, 76, 2893-2901.	2.0	21
40	Involvement of tumor necrosis factor alpha in steroid-associated osteonecrosis of the femoral head: friend or foe?. <i>Stem Cell Research and Therapy</i> , 2019, 10, 5.	2.4	21
41	Estrogen-Related Receptor Alpha Confers Methotrexate Resistance via Attenuation of Reactive Oxygen Species Production and P53 Mediated Apoptosis in Osteosarcoma Cells. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	20
42	Risk Factors Associated with Pain Severity in Patients with Non-specific Low Back Pain in Southern China. <i>Asian Spine Journal</i> , 2018, 12, 533-543.	0.8	20
43	The emerging role of NPNT in tissue injury repair and bone homeostasis. <i>Journal of Cellular Physiology</i> , 2018, 233, 1887-1894.	2.0	19
44	Tenomodulin highly expressing MSCs as a better cell source for tendon injury healing. <i>Oncotarget</i> , 2017, 8, 77424-77435.	0.8	17
45	Relation of Age, Sex and Bone Mineral Density to Serum 25-Hydroxyvitamin D Levels in Chinese Women and Men. <i>Orthopaedic Surgery</i> , 2015, 7, 343-349.	0.7	16
46	Optimizing indications of impacting bone allograft transplantation in osteonecrosis of the femoral head. <i>Bone and Joint Journal</i> , 2020, 102-B, 838-844.	1.9	16
47	Prognostic analysis of different morphology of the necrotic-viable interface in osteonecrosis of the femoral head. <i>International Orthopaedics</i> , 2018, 42, 133-139.	0.9	15
48	Maackiain dampens osteoclastogenesis via attenuating RANKL-stimulated NF- κ B signalling pathway and NFATc1 activity. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 12308-12317.	1.6	15
49	Dracorhodin perchlorate inhibits osteoclastogenesis through repressing RANKL-stimulated NFATc1 activity. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 3303-3313.	1.6	15
50	Should thorough Debridement be used in Fibular Allograft with impaction bone grafting to treat Femoral Head Necrosis: a biomechanical evaluation. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 140.	0.8	14
51	Tlr4-mutant mice are resistant to acute alcohol-induced sterol-regulatory element binding protein activation and hepatic lipid accumulation. <i>Scientific Reports</i> , 2016, 6, 33513.	1.6	14
52	Sox11-modified mesenchymal stem cells accelerate cartilage defect repair in SD rats. <i>Cell and Tissue Research</i> , 2019, 376, 247-255.	1.5	14
53	Cajaninstilbene acid inhibits osteoporosis through suppressing osteoclast formation and RANKL-induced signaling pathways. <i>Journal of Cellular Physiology</i> , 2019, 234, 11792-11804.	2.0	14
54	Reconstruction of the biomechanical transfer path of femoral head necrosis: A subject-specific finite element investigation. <i>Computers in Biology and Medicine</i> , 2014, 52, 96-101.	3.9	13

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55	Association of reduced sclerostin expression with collapse process in patients with osteonecrosis of the femoral head. <i>International Orthopaedics</i> , 2018, 42, 1675-1682.	0.9	13
56	Expression of Sclerostin in Osteoporotic Fracture Patients Is Associated with DNA Methylation in the CpG Island of the <i>SOST</i> Gene. <i>International Journal of Genomics</i> , 2019, 2019, 1-8.	0.8	13
57	Changes in hip joint contact stress during a gait cycle based on the individualized modeling method of gait-musculoskeletal system-finite element. <i>Journal of Orthopaedic Surgery and Research</i> , 2022, 17, 267.	0.9	13
58	Chronic stress accelerates the process of gastric precancerous lesions in rats. <i>Journal of Cancer</i> , 2021, 12, 4121-4133.	1.2	12
59	Elevated thyroid stimulating hormone levels are associated with metabolic syndrome in a Chinese community-based population of euthyroid people aged 40 years and older. <i>Journal of Biomedical Research</i> , 2016, 30, 476.	0.7	12
60	Cycloastragenol Attenuates Osteoclastogenesis and Bone Loss by Targeting RANKL-Induced Nrf2/Keap1/ARE, NF- κ B, Calcium, and NFATc1 Pathways. <i>Frontiers in Pharmacology</i> , 2021, 12, 810322.	1.6	12
61	Selective effect of cytokine-induced killer cells on survival of patients with early-stage melanoma. <i>Cancer Immunology, Immunotherapy</i> , 2017, 66, 299-308.	2.0	11
62	Osteoclastic activity was associated with the development of steroid-induced osteonecrosis of femoral head. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2020, 48, 1036-1046.	1.9	11
63	Association between vascular endothelial growth factor gene polymorphisms and the risk of osteonecrosis of the femoral head: Systematic review. <i>Biomedical Reports</i> , 2016, 4, 92-96.	0.9	10
64	Finite element modeling of proximal femur with quantifiable weight-bearing area in standing position. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 384.	0.9	10
65	Bioinformatics analysis and identification of genes and molecular pathways in steroid-induced osteonecrosis of the femoral head. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 327.	0.9	10
66	Diagnostics of femoral head status in humans using laser spectroscopy " <i>In vitro</i> studies. <i>Journal of Biophotonics</i> , 2017, 10, 1356-1364.	1.1	9
67	Combination Treatment with Whole Body Vibration and a Kidney-Tonifying Herbal Fufang Prevent Osteoporosis in Ovariectomized Rats. <i>Orthopaedic Surgery</i> , 2015, 7, 57-65.	0.7	8
68	Roburic acid attenuates osteoclastogenesis and bone resorption by targeting RANKL-induced intracellular signaling pathways. <i>Journal of Cellular Physiology</i> , 2022, 237, 1790-1803.	2.0	8
69	Laser-based gas absorption spectroscopy in decaying hip bone: water vapor as a predictor of osteonecrosis. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	1.4	7
70	Cajan leaf combined with bone marrow-derived mesenchymal stem cells for the treatment of osteonecrosis of the femoral head. <i>Experimental and Therapeutic Medicine</i> , 2014, 7, 1471-1475.	0.8	6
71	Serum serotonin concentration associated with bone mineral density in Chinese postmenopausal women. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2017, 77, 40-44.	0.6	6
72	Comparative brain pharmacokinetic study of Jiaotai pills in normal and insomnic rats using brain microdialysis combined with LC-MS/MS. <i>Chinese Herbal Medicines</i> , 2018, 10, 206-214.	1.2	5

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73	Plasma C-terminal cross-linking telopeptide of type II collagen as a biomarker in advanced stages of femoral head osteonecrosis. <i>Biomedicine and Pharmacotherapy</i> , 2019, 111, 1213-1220.	2.5	5
74	Serum glycosylation characterization of osteonecrosis of the femoral head by mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2018, 24, 178-187.	0.5	4
75	Fibular Allograft for Osteonecrosis Prevention in the Management of Femoral Neck Fractures: Clinical Outcome and Biomechanical Evaluation. <i>Journal of Biomaterials and Tissue Engineering</i> , 2015, 5, 937-941.	0.0	4
76	The Therapeutic Effect of Huo Xue Tong Luo Capsules in Association Research Circulation Osseous (ARCO) Stage II Osteonecrosis of the Femoral Head: A Clinical Study With an Average Follow-up Period of 7.95 Years. <i>Frontiers in Pharmacology</i> , 2021, 12, 773758.	1.6	4
77	Panax notoginseng attenuates hypoxia-induced glycolysis in colonic mucosal epithelial cells in DSS-induced colitis. <i>Annals of Translational Medicine</i> , 2022, 10, 218-218.	0.7	4
78	Combining frog-leg lateral view may serve as a more sensitive X-ray position in monitoring collapse in osteonecrosis of the femoral head. <i>Journal of Hip Preservation Surgery</i> , 2022, 9, 10-17.	0.6	4
79	Activated Src phosphorylation accompanied by both vascular hyperpermeability and dominant bone resorption during destructive repair of steroid-associated osteonecrotic lesions in rabbits. <i>Bone</i> , 2010, 47, S401.	1.4	3
80	Novel MRI technique for the quantification of biochemical deterioration in steroid-induced osteonecrosis of femoral head: a prospective diagnostic trial. <i>Journal of Hip Preservation Surgery</i> , 2021, 8, 40-50.	0.6	3
81	MiRNA-320a-5p contributes to the homeostasis of osteogenesis and adipogenesis in bone marrow mesenchymal stem cell. <i>Regenerative Therapy</i> , 2022, 20, 32-40.	1.4	3
82	Overexpression of fucosyltransferase 8 reverses the inhibitory effect of high-dose dexamethasone on osteogenic response of MC3T3-E1 preosteoblasts. <i>PeerJ</i> , 2021, 9, e12380.	0.9	3
83	Determination of newly synthesized lipoic acidâ€“fasudil dimer in rat plasma by LC-MS/MS and its application to pharmacokinetics study. <i>Analytical Methods</i> , 2014, 6, 8675-8681.	1.3	2
84	Near Full-Length Genome Sequence of a Novel HIV-1 Second-Generation Recombinant Form (CRF01_AE/CRF07_BC) Detected Among Blood Donors in North China. <i>AIDS Research and Human Retroviruses</i> , 2017, 33, 1265-1269.	0.5	2
85	Osteoporosis is associated with varus deformity in postmenopausal women with knee osteoarthritis: a cross-sectional study. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 694.	0.8	2
86	Expression of hyperpolarization-activated cyclic nucleotide-gated channel isoforms in a canine model of atrial fibrillation. <i>Experimental and Therapeutic Medicine</i> , 2016, 12, 433-436.	0.8	1
87	Pathological progress of traumatic femur head necrosis after femoral neck fracture in children and adolescents: a case series study. <i>Journal of Hip Preservation Surgery</i> , 2020, 7, 696-704.	0.6	1
88	Prolonged Use of Proton Pump Inhibitors, but Not Histamine-2 Receptor Antagonists, Is Associated With Lower Bone Mineral Density in Males Aged Over 70. <i>Frontiers in Medicine</i> , 2021, 8, 725359.	1.2	1
89	Development of a Practical Model to Predict Conversion to Total Hip Arthroplasty Following Non-Vascularized Bone Grafting. <i>Frontiers in Surgery</i> , 2022, 9, 835128.	0.6	1
90	Impaired left ventricular systolic synchrony in patients with lupus Nephritis: A speckle tracking echocardiography study. <i>Lupus</i> , 2022, , 096120332211027.	0.8	1

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91	Oxaliplatin and teniposide can inhibit the proliferation and induce the apoptosis of gastric cancer cell line BGC-823 synergistically. Chinese-German Journal of Clinical Oncology, 2010, 9, 149-152.	0.1	0
92	Biomechanical Evaluation for Bone Allograft in Treating the Femoral Head Necrosis. , 2015, , 155-167.		0
93	Relationship between hip joint medial space ratio and collapse of femoral head in non-traumatic osteonecrosis: a retrospective study. Journal of Hip Preservation Surgery, 2021, 8, 311-317.	0.6	0
94	Load Share Relationship Adjustment of Femoral Head Necrosis Through Biomaterial Allograft Bone. Journal of Biomaterials and Tissue Engineering, 2015, 5, 208-212.	0.0	0
95	Diagnostics of Femoral Head Status in Humans using High-Resolution Laser Spectroscopy: In Vitro Studies. , 2017, , .		0
96	The Value of the Frog Lateral View Radiograph for Detecting Collapse of Femur Head Necrosis: A Retrospective Study of 1001 Cases. Frontiers in Medicine, 2022, 9, 811644.	1.2	0
97	Effect of femoral head necrosis cystic area on femoral head collapse and stress distribution in femoral head: A clinical and finite element study. Open Medicine (Poland), 2022, 17, 1282-1291.	0.6	0