

Ming Ding

List of Publications by Year in descending order

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75
papers

2,047
citations

279778

23
h-index

254170

43
g-index

78
all docs

78
docs citations

78
times ranked

2761
citing authors

#	ARTICLE	IF	CITATIONS
1	Accuracy of cancellous bone volume fraction measured by micro-CT scanning. <i>Journal of Biomechanics</i> , 1999, 32, 323-326.	2.1	190
2	Age-related variations in the microstructure of human tibial cancellous bone. <i>Journal of Orthopaedic Research</i> , 2002, 20, 615-621.	2.3	158
3	Differential activation of spinal cord glial cells in murine models of neuropathic and cancer pain. <i>European Journal of Pain</i> , 2009, 13, 138-145.	2.8	127
4	A simple method for deriving functional MSCs and applied for osteogenesis in 3D scaffolds. <i>Scientific Reports</i> , 2013, 3, 2243.	3.3	108
5	Age variations in the properties of human tibial trabecular bone and cartilage. <i>Acta Orthopaedica</i> , 2000, 71, 1-45.	1.4	100
6	Mutual associations among microstructural, physical and mechanical properties of human cancellous bone. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2002, 84, 900-907.	3.4	82
7	Pit- and trench-forming osteoclasts: a distinction that matters. <i>Bone Research</i> , 2015, 3, 15032.	11.4	69
8	P2X7 receptor-deficient mice are susceptible to bone cancer pain. <i>Pain</i> , 2011, 152, 1766-1776.	4.2	63
9	Chronic administration of the selective P2X3, P2X2/3 receptor antagonist, A-317491, transiently attenuates cancer-induced bone pain in mice. <i>European Journal of Pharmacology</i> , 2012, 688, 27-34.	3.5	61
10	Understanding Age-Induced Cortical Porosity in Women: The Accumulation and Coalescence of Eroded Cavities Upon Existing Intracortical Canals Is the Main Contributor. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 606-620.	2.8	54
11	The Effects of Bone Remodeling Inhibition by Alendronate on Three-Dimensional Microarchitecture of Subchondral Bone Tissues in Guinea Pig Primary Osteoarthritis. <i>Calcified Tissue International</i> , 2008, 82, 77-86.	3.1	50
12	Glucocorticoid Induced Osteopenia in Cancellous Bone of Sheep. <i>Spine</i> , 2010, 35, 363-370.	2.0	50
13	Effects of hyaluronan on three-dimensional microarchitecture of subchondral bone tissues in guinea pig primary osteoarthritis. <i>Bone</i> , 2005, 36, 489-501.	2.9	49
14	Microarchitectural adaptations in aging and osteoarthrotic subchondral bone issues. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2010, 81, 1-53.	3.3	45
15	Bone density does not reflect mechanical properties in early-stage arthrosis. <i>Acta Orthopaedica</i> , 2001, 72, 181-185.	1.4	44
16	Vascular endothelial growth factor for in vivo bone formation: A systematic review. <i>Journal of Orthopaedic Translation</i> , 2020, 24, 46-57.	3.9	41
17	Differential effects of repeated low dose treatment with the cannabinoid agonist WIN 55,212-2 in experimental models of bone cancer pain and neuropathic pain. <i>Pharmacology Biochemistry and Behavior</i> , 2008, 91, 38-46.	2.9	35
18	Compacted cancellous bone has a spring-back effect. <i>Acta Orthopaedica</i> , 2003, 74, 591-595.	1.4	34

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19	The Src family kinase inhibitor dasatinib delays pain-related behaviour and conserves bone in a rat model of cancer-induced bone pain. <i>Scientific Reports</i> , 2017, 7, 4792.	3.3	32
20	Bone compaction enhances implant fixation in a canine gap model. <i>Journal of Orthopaedic Research</i> , 2005, 23, 824-830.	2.3	30
21	A reversal phase arrest uncoupling the bone formation and resorption contributes to the bone loss in glucocorticoid treated ovariectomised aged sheep. <i>Bone</i> , 2015, 75, 32-39.	2.9	29
22	Changes in the stiffness of the human tibial cartilage-bone complex in early-stage osteoarthritis. <i>Acta Orthopaedica</i> , 1998, 69, 358-362.	1.4	28
23	Three-dimensional microarchitecture of adolescent cancellous bone. <i>Bone</i> , 2012, 51, 953-960.	2.9	27
24	Mechanical strength of ceramic scaffolds reinforced with biopolymers is comparable to that of human bone. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 1111-1118.	3.6	26
25	Vitamin E-doped total hip arthroplasty liners show similar head penetration to highly cross-linked polyethylene at five years: a multi-arm randomized controlled trial. <i>Bone and Joint Journal</i> , 2020, 102-B, 1303-1310.	4.4	26
26	Experimental Anterior Lumbar Interbody Fusion With an Osteoinductive Bovine Bone Collagen Extract. <i>Spine</i> , 2005, 30, 890-896.	2.0	24
27	Experimental lumbar spine fusion with novel tantalum-coated carbon fiber implant. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007, 81B, 194-200.	3.4	23
28	Aerodynamics and motor control of ultrasonic vocalizations for social communication in mice and rats. <i>BMC Biology</i> , 2022, 20, 3.	3.8	23
29	Strontium ion reinforced bioceramic scaffold for load bearing bone regeneration. <i>Materials Science and Engineering C</i> , 2020, 109, 110427.	7.3	21
30	Cancer-induced bone loss and associated pain-related behavior is reduced by risedronate but not its phosphonocarboxylate analog NE-10790. <i>International Journal of Cancer</i> , 2009, 125, 1177-1185.	5.1	19
31	The effects of bone marrow aspirate, bone graft, and collagen composites on fixation of titanium implants. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 759-766.	3.4	19
32	Depolymerization of fucoidan with endo-fucoidanase changes bioactivity in processes relevant for bone regeneration. <i>Carbohydrate Polymers</i> , 2022, 286, 119286.	10.2	18
33	Comparison of images from digital intraoral receptors and cone beam computed tomography scanning for detection of voids in root canal fillings: an in vitro study using micro-computed tomography as validation. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2013, 115, 810-818.	0.4	17
34	Efficacy of a small cell-binding peptide coated hydroxyapatite substitute on bone formation and implant fixation in sheep. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 1357-1365.	4.0	16
35	An automated perfusion bioreactor for the streamlined production of engineered osteogenic grafts. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 532-537.	3.4	16
36	Comparisons of Efficacy between Autograft and Allograft on Defect Repair <i>In Vivo</i> in Normal and Osteoporotic Rats. <i>BioMed Research International</i> , 2020, 2020, 1-9.	1.9	16

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37	The effects of a novel reinforced bone substitute and Colloss® on bone defect healing in sheep. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 1826-1835.	3.4	15
38	Bone Formation by Sheep Stem Cells in an Ectopic Mouse Model: Comparison of Adipose and Bone Marrow Derived Cells and Identification of Donor-Derived Bone by Antibody Staining. <i>Stem Cells International</i> , 2016, 2016, 1-10.	2.5	15
39	Understanding age-induced cortical porosity in women: Is a negative BMU balance in quiescent osteons a major contributor?. <i>Bone</i> , 2018, 117, 70-82.	2.9	15
40	Comparison of synthetic bone graft ABM/P-15 and allograft on uninstrumented posterior lumbar spine fusion in sheep. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 2.	2.3	14
41	Combining naproxen and a dual amylin and calcitonin receptor agonist improves pain and structural outcomes in the collagen-induced arthritis rat model. <i>Arthritis Research and Therapy</i> , 2019, 21, 68.	3.5	14
42	The effects of glucocorticoid on microarchitecture, collagen, mineral and mechanical properties of sheep femur cortical bone. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012, 6, 443-450.	2.7	13
43	MMP9 is protective against lethal inflammatory mass lesions in the mouse colon. <i>DMM Disease Models and Mechanisms</i> , 2011, 4, 212-227.	2.4	12
44	Effects of P-15 Peptide Coated Hydroxyapatite on Tibial Defect Repair In Vivo in Normal and Osteoporotic Rats. <i>BioMed Research International</i> , 2015, 2015, 1-14.	1.9	11
45	The efficacy of poly-d,l-lactic acid- and hyaluronic acid-coated bone substitutes on implant fixation in sheep. <i>Journal of Orthopaedic Translation</i> , 2017, 8, 12-19.	3.9	11
46	Optimizing Osteogenic Differentiation of Ovine Adipose-Derived Stem Cells by Osteogenic Induction Medium and FGFb, BMP2, or NELL1 In Vitro. <i>Stem Cells International</i> , 2018, 2018, 1-9.	2.5	11
47	High-fidelity continuum modeling predicts avian voiced sound production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4718-4723.	7.1	11
48	Effects of a perfusion bioreactor activated novel bone substitute in spine fusion in sheep. <i>European Spine Journal</i> , 2012, 21, 1740-1747.	2.2	9
49	Optimizing combination of vascular endothelial growth factor and mesenchymal stem cells on ectopic bone formation in SCID mice. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 3326-3332.	4.0	9
50	Demineralized bone matrix and human cancellous bone enhance fixation of porous-coated titanium implants in sheep. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016, 10, 245-251.	2.7	8
51	Calcium phosphate precipitation in experimental gaps between fluoride-containing fast-setting calcium silicate cement and dentin. <i>European Journal of Oral Sciences</i> , 2018, 126, 118-125.	1.5	8
52	Three-dimensional morphometric properties of rod- and plate-like trabeculae in adolescent cancellous bone. <i>Journal of Orthopaedic Translation</i> , 2018, 12, 26-35.	3.9	8
53	3-D microarchitectural properties and rod- and plate-like trabecular morphometric properties of femur head cancellous bones in patients with rheumatoid arthritis, osteoarthritis, and osteoporosis. <i>Journal of Orthopaedic Translation</i> , 2021, 28, 159-168.	3.9	8
54	Assessment of activated porous granules on implant fixation and early bone formation in sheep. <i>Journal of Orthopaedic Translation</i> , 2016, 5, 38-47.	3.9	7

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55	Collagen-hydroxyapatite composite substitute and bone marrow nuclear cells on posterolateral spine fusion in sheep. <i>Journal of Biomaterials Applications</i> , 2019, 34, 365-374.	2.4	7
56	Efficacy of marine bioactive compound fucoidan for bone regeneration and implant fixation in sheep. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 861-872.	4.0	7
57	Cancellous and Cortical Bone Microarchitectures of Femoral Neck in Rheumatoid Arthritis and Osteoarthritis Compared with Donor Controls. <i>Calcified Tissue International</i> , 2016, 98, 456-464.	3.1	6
58	Effects of substitute coated with hyaluronic acid or poly-L-lactic acid on implant fixation: Experimental study in ovariectomized and glucocorticoid-treated sheep. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e1122-e1130.	2.7	6
59	Effects of carbamazepine, eslicarbazepine, valproic acid and levetiracetam on bone microarchitecture in rats. <i>Pharmacological Reports</i> , 2020, 72, 1323-1333.	3.3	6
60	Can Dual Energy CT with Fast kV-Switching Determine Renal Stone Composition Accurately?. <i>Academic Radiology</i> , 2021, 28, 333-338.	2.5	5
61	Bone phenotype of P2X4 receptor knockout mice: implication of a P2X7 receptor mutation?. <i>Purinergic Signalling</i> , 2021, 17, 241-246.	2.2	5
62	Age variations in the properties of human tibial trabecular bone and cartilage. <i>Acta Orthopaedica</i> , 2000, 71, i-45.	1.4	4
63	Hypophosphatemic Hypovitaminosis D Induces Osteomalacia in the Adult Female Rat. <i>Endocrinology</i> , 2020, 161, .	2.8	4
64	Vascular Endothelial Growth Factor and Mesenchymal Stem Cells Revealed Similar Bone Formation to Allograft in a Sheep Model. <i>BioMed Research International</i> , 2021, 2021, 1-11.	1.9	3
65	Intermittent Hypoxic Therapy Inhibits Allogenic Bone-Graft Resorption by Inhibition of Osteoclastogenesis in a Mouse Model. <i>International Journal of Molecular Sciences</i> , 2022, 23, 323.	4.1	3
66	3D perfusion bioreactor-activated porous granules on implant fixation and early bone formation in sheep. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 2465-2476.	3.4	2
67	Different changes of microarchitectures of cortical and cancellous bones in sheep femoral head after long-term glucocorticoid interventions. <i>Scientific Reports</i> , 2018, 8, 9988.	3.3	2
68	Flinders sensitive line rats are resistant to infarction following transient occlusion of the middle cerebral artery. <i>Brain Research</i> , 2020, 1737, 146797.	2.2	2
69	Where do you want your drugs delivered?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 91, 121-122.	3.3	2
70	Degenerations in Global Morphometry of Cancellous Bone in Rheumatoid Arthritis, Osteoarthritis and Osteoporosis of Femoral Heads are Similar but More Severe than in Ageing Controls. <i>Calcified Tissue International</i> , 2021, , 1.	3.1	2
71	Revision risk of total hip arthroplasty with vitamin E doped liners: Results from The Danish Hip Arthroplasty Register. <i>Journal of Arthroplasty</i> , 2022, , .	3.1	2
72	Efficacy of bioreactor-activated bone substitute with bone marrow nuclear cells on fusion rate and fusion mass microarchitecture in sheep. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 1862-1875.	3.4	2

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73	Evaluating of bone healing around porous coated titanium implant and potential systematic bias on the traditional sampling method. <i>Journal of Biomechanics</i> , 2013, 46, 1415-1419.	2.1	1
74	Musculoskeletal regeneration research network: A global initiative. <i>Journal of Orthopaedic Translation</i> , 2015, 3, 160-165.	3.9	1
75	Renal stone detection using a low kilo-voltage paediatric CT protocol – a porcine phantom study. <i>Journal of Medical Radiation Sciences</i> , 2021, 68, 342-348.	1.5	1