

# Ming Ding

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

2,047  
citations

279798  
23  
h-index

254184  
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®E on bone defect healing in sheep. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 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. Stem Cells International, 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?. Bone, 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. Journal of Orthopaedic Surgery and Research, 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. Arthritis Research and Therapy, 2019, 21, 68.	3.5	14
42	The effects of glucocorticoid on microarchitecture, collagen, mineral and mechanical properties of sheep femur cortical bone. Journal of Tissue Engineering and Regenerative Medicine, 2012, 6, 443-450.	2.7	13
43	MMP9 is protective against lethal inflammatory mass lesions in the mouse colon. DMM Disease Models and Mechanisms, 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. BioMed Research International, 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. Journal of Orthopaedic Translation, 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. Stem Cells International, 2018, 2018, 1-9.	2.5	11
47	High-fidelity continuum modeling predicts avian voiced sound production. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4718-4723.	7.1	11
48	Effects of a perfusion bioreactor activated novel bone substitute in spine fusion in sheep. European Spine Journal, 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. Journal of Biomedical Materials Research - Part A, 2017, 105, 3326-3332.	4.0	9
50	Demineralized bone matrix and human cancellous bone enhance fixation of porous-coated titanium implants in sheep. Journal of Tissue Engineering and Regenerative Medicine, 2016, 10, 245-251.	2.7	8
51	Calcium phosphate precipitation in experimental gaps between fluoride-containing fast-setting calcium silicate cement and dentin. European Journal of Oral Sciences, 2018, 126, 118-125.	1.5	8
52	Three-dimensional morphometric properties of rod- and plate-like trabeculae in adolescent cancellous bone. Journal of Orthopaedic Translation, 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. Journal of Orthopaedic Translation, 2021, 28, 159-168.	3.9	8
54	Assessment of activated porous granules on implant fixation and early bone formation in sheep. Journal of Orthopaedic Translation, 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. Journal of Biomechanics, 2013, 46, 1415-1419.	2.1	1
74	Musculoskeletal regeneration research network: A global initiative. Journal of Orthopaedic Translation, 2015, 3, 160-165.	3.9	1
75	Renal stone detection using a low kilo-voltage paediatric CT protocol – a porcine phantom study. Journal of Medical Radiation Sciences, 2021, 68, 342-348.	1.5	1