

Jesper S Thomsen

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

2,302
citations

230014

27
h-index

299063

42
g-index

110
all docs

110
docs citations

110
times ranked

2698
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypobaric hypoxia deteriorates bone mass and strength in mice. <i>Bone</i> , 2022, 154, 116203.	1.4	9
2	Significance of Reversal-Resorption Phase in Bone Loss. , 2022, , 101-110.		1
3	Opportunities for biomineralization research using multiscale computed X-ray tomography as exemplified by bone imaging. <i>Journal of Structural Biology</i> , 2022, 214, 107822.	1.3	13
4	The Effect of Bone Marrow Stimulation for Cartilage Repair on the Subchondral Bone Plate. <i>Cartilage</i> , 2022, 13, 194760352210740.	1.4	1
5	Effect of Acetazolamide and Zoledronate on Simulated High Altitude-Induced Bone Loss. <i>Frontiers in Endocrinology</i> , 2022, 13, 831369.	1.5	5
6	Anti-sclerostin antibodies and abaloparatide have additive effects when used as a countermeasure against disuse osteopenia in female rats. <i>Bone</i> , 2022, 160, 116417.	1.4	9
7	2D size of trabecular bone structure units (BSU) correlate more strongly with 3D architectural parameters than age in human vertebrae. <i>Bone</i> , 2022, 160, 116399.	1.4	4
8	Drill-Hole Bone Defects in Animal Models of Bone Healing: Protocol for a Systematic Review. <i>JMIR Research Protocols</i> , 2022, 11, e34887.	0.5	0
9	Calcified cartilage in patients with osteoarthritis of the hip compared to that of healthy subjects. A design-based histological study. <i>Bone</i> , 2021, 143, 115660.	1.4	4
10	A well-developed endolysosomal system reflects protein reabsorption in segment 1 and 2 of rat proximal tubules. <i>Kidney International</i> , 2021, 99, 841-853.	2.6	17
11	Activin type IIA decoy receptor and intermittent parathyroid hormone in combination overturns the bone loss in disuse-osteopenic mice. <i>Bone</i> , 2021, 142, 115692.	1.4	7
12	A Systematic Review of Animal Models of Disuse-Induced Bone Loss. <i>Calcified Tissue International</i> , 2021, 108, 561-575.	1.5	26
13	Artificial intelligence-assisted identification and quantification of osteoclasts. <i>MethodsX</i> , 2021, 8, 101272.	0.7	8
14	Superoxide dismutase 3 is expressed in bone tissue and required for normal bone homeostasis and mineralization. <i>Free Radical Biology and Medicine</i> , 2021, 164, 399-409.	1.3	8
15	The Effect of Normobaric Intermittent Hypoxia Therapy on Bone in Normal and Disuse Osteopenic Mice. <i>High Altitude Medicine and Biology</i> , 2021, 22, 225-234.	0.5	4
16	Teriparatide and Abaloparatide Have a Similar Effect on Bone in Mice. <i>Frontiers in Endocrinology</i> , 2021, 12, 628994.	1.5	14
17	Short-term glucocorticoid excess blunts abaloparatide-induced increase in femoral bone mass and strength in mice. <i>Scientific Reports</i> , 2021, 11, 12258.	1.6	11
18	Mesenchymal Stem Cell Extracellular Vesicles as Adjuvant to Bone Marrow Stimulation in Chondral Defect Repair in a Minipig Model. <i>Cartilage</i> , 2021, 13, 254S-266S.	1.4	5

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19	Ultrastructural identification of developing proximal tubules based on three-dimensional reconstruction. <i>Veterinary Medicine and Science</i> , 2021, 7, 1989-1998.	0.6	2
20	Sparse dose-dependent difference in skeletal effects of short-term glucocorticoid excess in outbred Swiss mice. <i>Endocrine and Metabolic Science</i> , 2021, 5, 100114.	0.7	2
21	One-year progression of erosive disease in patients with anti-citrullinated peptide antibodies and arthralgia. <i>Joint Bone Spine</i> , 2020, 87, 181-183.	0.8	6
22	The generation of enlarged eroded pores upon existing intracortical canals is a major contributor to endocortical trabecularization. <i>Bone</i> , 2020, 130, 115127.	1.4	13
23	Programmed death ligand 2 – A link between inflammation and bone loss in rheumatoid arthritis. <i>Journal of Translational Autoimmunity</i> , 2020, 3, 100028.	2.0	10
24	Disuse-induced loss of bone mineral density and bone strength is attenuated by post-lactational bone gain in NMRI mice. <i>Bone</i> , 2020, 131, 115183.	1.4	7
25	Rodent model of disuse-induced bone loss by hind limb injection with botulinum toxin A. <i>MethodsX</i> , 2020, 7, 101079.	0.7	9
26	Histomorphometric case-control study of subarticular osteophytes in patients with osteoarthritis of the hip. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 653.	0.8	3
27	Sex-Specific Effect of High-Fat Diet on Glycerol Metabolism in Murine Adipose Tissue and Liver. <i>Frontiers in Endocrinology</i> , 2020, 11, 577650.	1.5	15
28	Animal models of disuse-induced bone loss: study protocol for a systematic review. <i>Systematic Reviews</i> , 2020, 9, 185.	2.5	7
29	The Efficacy of PTH and Abaloparatide to Counteract Immobilization-Induced Osteopenia Is in General Similar. <i>Frontiers in Endocrinology</i> , 2020, 11, 588773.	1.5	10
30	Modeling-based bone formation transforms trabeculae to cortical bone in the sclerotic areas in Buschke-Ollendorff syndrome. A case study of two females with LEMD3 variants. <i>Bone</i> , 2020, 135, 115313.	1.4	6
31	A novel acidification mechanism for greatly enhanced oxygen supply to the fish retina. <i>ELife</i> , 2020, 9, .	2.8	27
32	Lipidoid-siRNA Nanoparticle-Mediated IL-1 β Gene Silencing for Systemic Arthritis Therapy in a Mouse Model. <i>Molecular Therapy</i> , 2019, 27, 1424-1435.	3.7	34
33	Age-related histological changes in calcified cartilage and subchondral bone in femoral heads from healthy humans. <i>Bone</i> , 2019, 129, 115037.	1.4	11
34	No Signature of Osteocytic Osteolysis in Cortical Bone from Lactating NMRI Mice. <i>Calcified Tissue International</i> , 2019, 105, 308-315.	1.5	15
35	Canalicular Junctions in the Osteocyte Lacuno-Canalicular Network of Cortical Bone. <i>ACS Nano</i> , 2019, 13, 6421-6430.	7.3	32
36	Synchronous delivery of hydroxyapatite and connective tissue growth factor derived osteoinductive peptide enhanced osteogenesis. <i>Journal of Controlled Release</i> , 2019, 301, 129-139.	4.8	37

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37	A follistatin-based molecule increases muscle and bone mass without affecting the red blood cell count in mice. <i>FASEB Journal</i> , 2019, 33, 6001-6010.	0.2	20
38	Morphology of the initial nephron-collecting duct connection in mice using computerized 3D tracing and electron microscopy. <i>Biochemical and Biophysical Research Communications</i> , 2019, 509, 114-118.	1.0	7
39	PO 2 Profiles in the Retina of the Hemoglobin-less Icefishes. <i>FASEB Journal</i> , 2019, 33, lb413.	0.2	1
40	Retinal oxygen supply shaped the functional evolution of the vertebrate eye. <i>ELife</i> , 2019, 8, .	2.8	19
41	PTH (1-34) and growth hormone in prevention of disuse osteopenia and sarcopenia in rats. <i>Bone</i> , 2018, 110, 244-253.	1.4	31
42	The effect of oral dabigatran etexilate on bone density, strength, and microstructure in healthy mice. <i>Bone Reports</i> , 2018, 8, 9-17.	0.2	10
43	A soluble activin type IIA receptor mitigates the loss of femoral neck bone strength and cancellous bone mass in a mouse model of disuse osteopenia. <i>Bone</i> , 2018, 110, 326-334.	1.4	15
44	Disuse osteopenia induced by botulinum toxin is similar in skeletally mature young and aged female C57BL/6J mice. <i>Journal of Bone and Mineral Metabolism</i> , 2018, 36, 170-179.	1.3	14
45	Long-Term High-Dose Resveratrol Supplementation Reduces Bone Mass and Fracture Strength in Rats. <i>Calcified Tissue International</i> , 2018, 102, 337-347.	1.5	5
46	Neuronal Cell Adhesion Molecule 1 Regulates Leptin Sensitivity and Bone Mass. <i>Calcified Tissue International</i> , 2018, 102, 329-336.	1.5	9
47	Thickness of the bone-cartilage unit in relation to osteoarthritis severity in the human hip joint. <i>RMD Open</i> , 2018, 4, e000747.	1.8	12
48	Morphologic and morphometric study on microvasculature of developing mouse kidneys. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F852-F860.	1.3	5
49	Mice Knocked Out for the Primary Brain Calcification-Associated Gene <i>Slc20a2</i> Show Unimpaired Prenatal Survival but Retarded Growth and Nodules in the Brain that Grow and Calcify Over Time. <i>American Journal of Pathology</i> , 2018, 188, 1865-1881.	1.9	24
50	Intracortical Bone Mechanics Are Related to Pore Morphology and Remodeling in Human Bone. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 2177-2185.	3.1	24
51	Matrix Vesicles-Containing Microreactors as Support for Bonelike Osteoblasts to Enhance Biomineralization. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30180-30190.	4.0	28
52	Zoledronic acid prevents disuse osteopenia and augments gene expression of osteoclastic differentiation markers in mice. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2018, 18, 165-175.	0.1	5
53	Nephron morphometry in mice and rats using tomographic microscopy. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F210-F229.	1.3	10
54	Zoledronate prevents lactation induced bone loss and results in additional post-lactation bone mass in mice. <i>Bone</i> , 2016, 87, 27-36.	1.4	15

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55	Simulation of heterogeneous molecular delivery in tumours using $\hat{1}/4$ CT reconstructions and MRI validation. <i>Microvascular Research</i> , 2016, 108, 69-74.	1.1	1
56	Immobilization and long-term recovery results in large changes in bone structure and strength but no corresponding alterations of osteocyte lacunar properties. <i>Bone</i> , 2016, 91, 139-147.	1.4	38
57	Osteocyte lacunar properties and cortical microstructure in human iliac crest as a function of age and sex. <i>Bone</i> , 2016, 91, 11-19.	1.4	49
58	Systemic Treatment with Strontium Ranelate Does Not Influence the Healing of Femoral Mid-shaft Defects in Rats. <i>Calcified Tissue International</i> , 2016, 98, 206-214.	1.5	10
59	Organ and tissue level properties are more sensitive to age than osteocyte lacunar characteristics in rat cortical bone. <i>Bone Reports</i> , 2016, 4, 28-34.	0.2	10
60	Immobilization induced osteopenia is strain specific in mice. <i>Bone Reports</i> , 2015, 2, 59-67.	0.2	36
61	Osteocyte lacunar properties in rat cortical bone: Differences between lamellar and central bone. <i>Journal of Structural Biology</i> , 2015, 191, 59-67.	1.3	47
62	Vertical Trabeculae are Thinned More Than Horizontal Trabeculae in Skeletal-Unloaded Rats. <i>Calcified Tissue International</i> , 2015, 97, 516-526.	1.5	12
63	Non-rigid landmark-based large-scale image registration in 3-D reconstruction of mouse and rat kidney nephrons. <i>Micron</i> , 2015, 68, 122-129.	1.1	9
64	The Influence of Hemostatic Agents on Bone Healing After Sternotomy in a Porcine Model. <i>Annals of Thoracic Surgery</i> , 2015, 99, 1005-1011.	0.7	10
65	The effect of haemostatic devices on bone healing 6 months postoperatively in sternotomized pigs. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 48, 850-854.	0.6	4
66	Systemic but No Local Effects of Combined Zoledronate and Parathyroid Hormone Treatment in Experimental Autoimmune Arthritis. <i>PLoS ONE</i> , 2014, 9, e92359.	1.1	8
67	Spatial organization of the vascular bundle and the interbundle region: three-dimensional reconstruction at the inner stripe of the outer medulla in the mouse kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F321-F326.	1.3	20
68	A Comparison of Osteoclast-Rich and Osteoclast-Poor Osteopetrosis in Adult Mice Sheds Light on the Role of the Osteoclast in Coupling Bone Resorption and Bone Formation. <i>Calcified Tissue International</i> , 2014, 95, 83-93.	1.5	31
69	Additive effect of PTH ($1\hat{a}€“34$) and zoledronate in the prevention of disuse osteopenia in rats. <i>Bone</i> , 2014, 66, 287-295.	1.4	34
70	Calcified Cartilage Islands in Rat Cortical Bone. <i>Calcified Tissue International</i> , 2013, 92, 330-338.	1.5	47
71	Age-related changes of vertical and horizontal lumbar vertebral trabecular 3D bone microstructure is different in women and men. <i>Bone</i> , 2013, 57, 47-55.	1.4	30
72	PTH ($1\hat{a}€“34$), but not strontium ranelate counteract loss of trabecular thickness and bone strength in disuse osteopenic rats. <i>Bone</i> , 2013, 53, 51-58.	1.4	26

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73	SKG arthritis as a model for evaluating therapies in rheumatoid arthritis with special focus on bone changes. <i>Rheumatology International</i> , 2013, 33, 1127-1133.	1.5	18
74	Osteoclasts are not crucial for hematopoietic stem cell maintenance in adult mice. <i>Haematologica</i> , 2013, 98, 1848-1855.	1.7	10
75	Direct Physical Contact between Intercalated Cells in the Distal Convolute Tubule and the Afferent Arteriole in Mouse Kidneys. <i>PLoS ONE</i> , 2013, 8, e70898.	1.1	9
76	Expression of Bcl-2 and Bax in Mouse Renal Tubules during Kidney Development. <i>PLoS ONE</i> , 2012, 7, e32771.	1.1	27
77	Changes in 3-dimensional bone structure indices in hypoparathyroid patients treated with PTH(1-84): A randomized controlled study. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 781-788.	3.1	67
78	Loss of Bone Strength is Dependent on Skeletal Site in Disuse Osteoporosis in Rats. <i>Calcified Tissue International</i> , 2012, 90, 294-306.	1.5	43
79	Bone Formation and Resorption Are Both Increased in Experimental Autoimmune Arthritis. <i>PLoS ONE</i> , 2012, 7, e53034.	1.1	12
80	Dissociation of Bone Resorption and Bone Formation in Adult Mice with a Non-Functional V-ATPase in Osteoclasts Leads to Increased Bone Strength. <i>PLoS ONE</i> , 2011, 6, e27482.	1.1	36
81	Strontium Is Incorporated into the Fracture Callus but Does Not Influence the Mechanical Strength of Healing Rat Fractures. <i>Calcified Tissue International</i> , 2011, 88, 142-152.	1.5	33
82	Long range node-strut analysis of trabecular bone microarchitecture. <i>Medical Physics</i> , 2011, 38, 5003-5011.	1.6	5
83	Comparison of mutual information with a standard method for alignment of histological serial sections. , 2011, . .		0
84	No influence of alimentary zinc on the healing of calvarial defects filled with osteopromotive substances in rats. <i>European Journal of Orthodontics</i> , 2010, 32, 124-130.	1.1	3
85	Strontium and Bone Nanostructure in Normal and Ovariectomized Rats Investigated by Scanning Small-Angle X-Ray Scattering. <i>Calcified Tissue International</i> , 2010, 86, 294-306.	1.5	43
86	Differences in zinc status between patients with osteoarthritis and osteoporosis. <i>Journal of Trace Elements in Medicine and Biology</i> , 2009, 23, 1-8.	1.5	27
87	Influence of Physical Exercise and Food Restriction on the Biomechanical Properties of the Femur of Ageing Male Rats. <i>Gerontology</i> , 2008, 54, 32-39.	1.4	5
88	Aquaporin-1 Is not Expressed in Descending Thin Limbs of Short-Loop Nephrons. <i>Journal of the American Society of Nephrology: JASN</i> , 2007, 18, 2937-2944.	3.0	88
89	Biomechanical evaluation of rat skull defects, 1, 3, and 6 months after implantation with osteopromotive substances. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2007, 35, 350-357.	0.7	23
90	Segmentation of bone CT images and assessment of bone structure using measures of complexity. <i>Medical Physics</i> , 2006, 33, 3857-3873.	1.6	17

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91	Three-Dimensional Reconstruction of the Mouse Nephron. Journal of the American Society of Nephrology: JASN, 2006, 17, 77-88.	3.0	107
92	Quantification of spatial structure of human proximal tibial bone biopsies using 3D measures of complexity. Acta Astronautica, 2005, 56, 820-830.	1.7	7
93	Cancellous bone structure of iliac crest biopsies following 370 days of head-down bed rest. Aviation, Space, and Environmental Medicine, 2005, 76, 915-22.	0.6	18
94	An expression relating breaking stress and density of trabecular bone. Journal of Biomechanics, 2004, 37, 1241-1249.	0.9	21
95	The Structural and Hormonal Basis of Sex Differences in Peak Appendicular Bone Strength in Rats. Journal of Bone and Mineral Research, 2003, 18, 150-155.	3.1	107
96	Digital Three-Dimensional Reconstruction and Ultrastructure of the Mouse Proximal Tubule. Journal of the American Society of Nephrology: JASN, 2003, 14, 611-619.	3.0	62
97	Zone-dependent changes in human vertebral trabecular bone: clinical implications. Bone, 2002, 30, 664-669.	1.4	63
98	Prevention of Bone Loss in Ovariectomized Rats by Combined Treatment With Risedronate and 1 α ,25-Dihydroxyvitamin D ₃ . Journal of Bone and Mineral Research, 2002, 17, 1498-1511.	3.1	57
99	A histomorphometric and scanning electron microscopy study of human condylar cartilage and bone tissue changes in relation to age. Orthodontics & Craniofacial Research, 1999, 2, 67-78.	0.2	17
100	Complex behaviour in a productionâ€“distribution model. European Journal of Operational Research, 1999, 119, 61-74.	3.5	85
101	Age- and Gender-Related Differences in Vertebral Bone Mass, Density, and Strength. Journal of Bone and Mineral Research, 1999, 14, 1394-1403.	3.1	115
102	Chaotic Hierarchy in a Model of Competing Populations. Journal of Theoretical Biology, 1993, 165, 593-607.	0.8	17
103	Devil's staircase and chaos from macroeconomic mode interaction. Journal of Economic Dynamics and Control, 1993, 17, 759-769.	0.9	7
104	Phase diagrams for periodically driven Gunn diodes. Physica D: Nonlinear Phenomena, 1993, 66, 143-153.	1.3	16
105	Nonlinear mode-interaction in the macroeconomy. Annals of Operations Research, 1992, 37, 185-215.	2.6	47
106	Generic bifurcation structures of Arnolâ€™s tongues in forced oscillators. Physical Review A, 1991, 44, 3503-3510.	1.0	20