

Juha Tuukkanen

List of Publications by Year in descending order

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173
papers

7,817
citations

47006

47
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80
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178
all docs

178
docs citations

178
times ranked

8599
citing authors

#	ARTICLE	IF	CITATIONS
1	Cloning of a novel bacteria-binding receptor structurally related to scavenger receptors and expressed in a subset of macrophages. <i>Cell</i> , 1995, 80, 603-609.	28.9	447
2	Evidence for the presence of a proton pump of the vacuolar H(+)-ATPase type in the ruffled borders of osteoclasts.. <i>Journal of Cell Biology</i> , 1990, 111, 1305-1311.	5.2	360
3	Osteoblast-derived WNT16 represses osteoclastogenesis and prevents cortical bone fragility fractures. <i>Nature Medicine</i> , 2014, 20, 1279-1288.	30.7	303
4	Autoimmune Regulator Is Expressed in the Cells Regulating Immune Tolerance in Thymus Medulla. <i>Biochemical and Biophysical Research Communications</i> , 1999, 257, 821-825.	2.1	263
5	Effect of porosity on the osteointegration and bone ingrowth of a weight-bearing nickel–titanium bone graft substitute. <i>Biomaterials</i> , 2003, 24, 4691-4697.	11.4	242
6	Comparison of three-point bending test and peripheral quantitative computed tomography analysis in the evaluation of the strength of mouse femur and tibia. <i>Bone</i> , 1998, 23, 155-161.	2.9	208
7	The mechanical strength of bone in different rat models of experimental osteoporosis. <i>Bone</i> , 1994, 15, 523-532.	2.9	170
8	In vivo biocompatibility evaluation of nickel-titanium shape memory metal alloy: Muscle and perineural tissue responses and capsule membrane thickness. <i>Journal of Biomedical Materials Research Part B</i> , 1998, 41, 481-488.	3.1	154
9	Omeprazole, a specific inhibitor of H+K+-ATPase, inhibits bone resorption in vitro. <i>Calcified Tissue International</i> , 1986, 38, 123-125.	3.1	152
10	Organization of osteoclast microfilaments during the attachment to bone surface in vitro. <i>Journal of Bone and Mineral Research</i> , 1989, 4, 817-825.	2.8	152
11	Adenoviral VEGF gene transfer induces angiogenesis and promotes bone formation in healing osseous tissues. <i>Journal of Gene Medicine</i> , 2003, 5, 560-566.	2.8	125
12	Carbonic Anhydrase II Plays a Major Role in Osteoclast Differentiation and Bone Resorption by Effecting the Steady State Intracellular pH and Ca ²⁺ . <i>Experimental Cell Research</i> , 1998, 242, 128-137.	2.6	122
13	Estrogen receptor- α in osteocytes is important for trabecular bone formation in male mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2294-2299.	7.1	118
14	Effect of nickel–titanium shape memory metal alloy on bone formation. <i>Biomaterials</i> , 2001, 22, 2475-2480.	11.4	116
15	Induced repatterning of type XVIII collagen expression in ureter bud from kidney to lung type: association with sonic hedgehog and ectopic surfactant protein C. <i>Development (Cambridge)</i> , 2001, 128, 1573-1585.	2.5	110
16	Effects of 2,3,7,8-Tetrachlorodibenzo-p-Dioxin on Bone in Two Rat Strains with Different Aryl Hydrocarbon Receptor Structures. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 1812-1820.	2.8	107
17	Behaviour of Nitinol in osteoblast-like ROS-17 cell cultures. <i>Biomaterials</i> , 2002, 23, 645-650.	11.4	101
18	Bone-Resorbing Osteoclasts Contain Gap-Junctional Connexin-43. <i>Journal of Bone and Mineral Research</i> , 2010, 15, 919-926.	2.8	100

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19	Dioxins interfere with differentiation of osteoblasts and osteoclasts. <i>Bone</i> , 2009, 44, 1134-1142.	2.9	91
20	Bone healing and mineralization, implant corrosion, and trace metals after nickel-titanium shape memory metal intramedullary fixation. , 1999, 47, 472-480.		87
21	A metaphyseal defect model of the femur for studies of murine bone healing. <i>Bone</i> , 2001, 28, 423-429.	2.9	84
22	Osteogenic Differentiation of Human Mesenchymal Stem cells in a 3D Woven Scaffold. <i>Scientific Reports</i> , 2018, 8, 10457.	3.3	83
23	Effects of In Utero and Lactational TCDD Exposure on Bone Development in Differentially Sensitive Rat Lines. <i>Toxicological Sciences</i> , 2005, 85, 1003-1012.	3.1	82
24	Estrogen deposits extra mineral into bones of female rats in puberty, but simultaneously seems to suppress the responsiveness of female skeleton to mechanical loading. <i>Bone</i> , 2003, 32, 642-651.	2.9	80
25	Melt Spinning of Poly(lactic acid) and Hydroxyapatite Composite Fibers: Influence of the Filler Content on the Fiber Properties. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6864-6872.	8.0	77
26	Bone modeling and cell-material interface responses induced by nickel-titanium shape memory alloy after periosteal implantation. <i>Biomaterials</i> , 1999, 20, 1309-1317.	11.4	75
27	Changes induced in growing rat bone by immobilization and remobilization. <i>Bone</i> , 1991, 12, 113-118.	2.9	74
28	Bone modeling controlled by a nickel-titanium shape memory alloy intramedullary nail. <i>Biomaterials</i> , 2002, 23, 2535-2543.	11.4	72
29	Osteoclasts and Remodeling Based Bone Formation. <i>Current Stem Cell Research and Therapy</i> , 2016, 11, 626-633.	1.3	70
30	Effect of bioactive extruded PLA/HA composite films on focal adhesion formation of preosteoblastic cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 409-416.	5.0	69
31	Femoral Neck Response to Exercise and Subsequent Deconditioning in Young and Adult Rats. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 1292-1299.	2.8	67
32	Biocompatibility and strength properties of nitinol shape memory alloy suture in rabbit tendon. <i>Biomaterials</i> , 2004, 25, 353-358.	11.4	66
33	Exercise can provide protection against bone loss and prevent the decrease in mechanical strength of femoral neck in ovariectomized rats. <i>Journal of Bone and Mineral Research</i> , 1994, 9, 1559-1564.	2.8	66
34	Progression of human aortic valve stenosis is associated with tenascin-C expression. <i>Journal of the American College of Cardiology</i> , 2002, 39, 96-101.	2.8	65
35	Expression Profiles of mRNAs for Osteoblast and Osteoclast Proteins as Indicators of Bone Loss in Mouse Immobilization Osteopenia Model. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 1934-1942.	2.8	62
36	The Bone Gain Induced by Exercise in Puberty Is Not Preserved Through a Virtually Life-Long Deconditioning: A Randomized Controlled Experimental Study in Male Rats. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 544-552.	2.8	61

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37	Effect of Modified Pectin Molecules on the Growth of Bone Cells. <i>Biomacromolecules</i> , 2007, 8, 509-515.	5.4	59
38	p38 Kinase rescues failing myocardium after myocardial infarction: evidence for angiogenic and anti-apoptotic mechanisms. <i>FASEB Journal</i> , 2006, 20, 1907-1909.	0.5	58
39	In Utero/Lactational 2,3,7,8-Tetrachlorodibenzo-p-dioxin Exposure Impairs Molar Tooth Development in Rats. <i>Toxicology and Applied Pharmacology</i> , 2001, 174, 216-224.	2.8	57
40	High Dietary Phosphate Intake Reduces Bone Strength in the Growing Rat Skeleton. <i>Journal of Bone and Mineral Research</i> , 2006, 22, 83-92.	2.8	57
41	Effects of developmental exposure to perfluorooctanoic acid (PFOA) on long bone morphology and bone cell differentiation. <i>Toxicology and Applied Pharmacology</i> , 2016, 301, 14-21.	2.8	55
42	Perfluoroalkyl substances in human bone: concentrations in bones and effects on bone cell differentiation. <i>Scientific Reports</i> , 2017, 7, 6841.	3.3	55
43	rab5 GTPase Regulates Adenovirus Endocytosis. <i>Journal of Virology</i> , 1999, 73, 9664-9668.	3.4	54
44	<i>Chlamydia pneumoniae</i> Inhibits Apoptosis in Human Epithelial and Monocyte Cell Lines. <i>Scandinavian Journal of Immunology</i> , 2002, 55, 390-398.	2.7	52
45	Wnt-4 signaling is involved in the control of smooth muscle cell fate via Bmp-4 in the medullary stroma of the developing kidney. <i>Developmental Biology</i> , 2006, 293, 473-483.	2.0	51
46	Differentiation of Osteoblasts on Pectin-Coated Titanium. <i>Biomacromolecules</i> , 2008, 9, 2369-2376.	5.4	51
47	The role of membrane ER α signaling in bone and other major estrogen responsive tissues. <i>Scientific Reports</i> , 2016, 6, 29473.	3.3	51
48	Mechanical properties in long bones of rat osteopetrotic mutations. <i>Journal of Biomechanics</i> , 2002, 35, 161-165.	2.1	50
49	Type XIII Collagen Strongly Affects Bone Formation in Transgenic Mice. <i>Journal of Bone and Mineral Research</i> , 2005, 20, 1381-1393.	2.8	50
50	The bone-sparing effects of estrogen and WNT16 are independent of each other. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14972-14977.	7.1	50
51	Effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin exposure on bone material properties. <i>Journal of Biomechanics</i> , 2010, 43, 1097-1103.	2.1	47
52	Long-term effects of ovariectomy on the mechanical properties and chemical composition of rat bone. <i>Bone</i> , 1997, 20, 207-212.	2.9	46
53	Long-Term Administration of Clodronate Does Not Prevent Fracture Healing in Rats. <i>Clinical Orthopaedics and Related Research</i> , 2003, 408, 268-278.	1.5	46
54	Physical Exercise Improves Properties of Bone and Its Collagen Network in Growing and Maturing Mice. <i>Calcified Tissue International</i> , 2009, 85, 247-256.	3.1	45

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55	A Novel Component of Epidermal Cellâ€“Matrix and Cellâ€“Cell Contacts: Transmembrane Protein Type XIII Collagen. <i>Journal of Investigative Dermatology</i> , 1999, 113, 635-642.	0.7	44
56	Mineral Density and Bone Strength Are Dissociated in Long Bones of Rat Osteopetrotic Mutations. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 1905-1911.	2.8	44
57	Severe Extracellular Matrix Abnormalities and Chondrodysplasia in Mice Lacking Collagen Prolyl 4-Hydroxylase Isoenzyme II in Combination with a Reduced Amount of Isoenzyme I. <i>Journal of Biological Chemistry</i> , 2015, 290, 16964-16978.	3.4	43
58	Ovariectomy-Induced Bone Loss Can be Affected by Different Intensities of Treadmill Running Exercise in Rats. <i>Calcified Tissue International</i> , 1997, 60, 441-448.	3.1	42
59	Connexin-mimetic peptide Gap 27 decreases osteoclastic activity. <i>BMC Musculoskeletal Disorders</i> , 2001, 2, 10.	1.9	41
60	Expression of the Hutchinson-Gilford Progeria Mutation during Osteoblast Development Results in Loss of Osteocytes, Irregular Mineralization, and Poor Biomechanical Properties. <i>Journal of Biological Chemistry</i> , 2012, 287, 33512-33522.	3.4	39
61	The effect of training on the recovery from immobilizationâ€“induced bone loss in rats. <i>Acta Physiologica Scandinavica</i> , 1992, 145, 407-411.	2.2	38
62	Urinary Bladder Transitional Cell Carcinogenesis Is Associated with Down-Regulation of NF1 Tumor Suppressor Gene in Vivo and in Vitro. <i>American Journal of Pathology</i> , 1999, 154, 755-765.	3.8	38
63	Immunolocalization of EMMPRIN (Cd147) in the Human Eye and Detection of Soluble Form of EMMPRIN in Ocular Fluids. <i>Current Eye Research</i> , 2006, 31, 917-924.	1.5	38
64	Native bovine bone morphogenetic protein improves the potential of biocoral to heal segmental canine ulnar defects. <i>International Orthopaedics</i> , 2000, 24, 289-294.	1.9	37
65	Estrogen receptor- β expression in neuronal cells affects bone mass. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 983-988.	7.1	37
66	Porcupine inhibitors impair trabecular and cortical bone mass and strength in mice. <i>Journal of Endocrinology</i> , 2018, 238, 13-23.	2.6	37
67	Effects of Recombinant Human Osteogenic Protein-1 on the Differentiation of Osteoclast-Like Cells and Bone Resorption. <i>Biochemical and Biophysical Research Communications</i> , 1995, 209, 433-443.	2.1	36
68	Femoral neck strength of mouse in two loading configurations. <i>Journal of Biomechanics</i> , 1998, 31, 723-729.	2.1	36
69	Femoral Neck Is a Sensitive Indicator of Bone Loss in Immobilized Hind Limb of Mouse. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 1708-1713.	2.8	36
70	Dioxin-Sensitive Proteins in Differentiating Osteoblasts: Effects on Bone Formation In Vitro. <i>Toxicological Sciences</i> , 2009, 108, 330-343.	3.1	36
71	New insights to the role of aryl hydrocarbon receptor in bone phenotype and in dioxin-induced modulation of bone microarchitecture and material properties. <i>Toxicology and Applied Pharmacology</i> , 2013, 273, 219-226.	2.8	36
72	Osteoclasts secrete osteopontin into resorption lacunae during bone resorption. <i>Histochemistry and Cell Biology</i> , 2019, 151, 475-487.	1.7	36

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73	TGF- β 1 secretion of ROS-17/2.8 cultures on NiTi implant material. <i>Biomaterials</i> , 2002, 23, 3341-3346.	11.4	35
74	Effect of running exercise on the bone loss induced by orchidectomy in the rat. <i>Calcified Tissue International</i> , 1994, 55, 33-37.	3.1	32
75	Comparison of Radiographic and pQCT Analyses of Healing Rat Tibial Fractures. <i>Calcified Tissue International</i> , 2000, 66, 288-291.	3.1	32
76	Propofol anesthesia induces phase synchronization changes in EEG. <i>Clinical Neurophysiology</i> , 2001, 112, 386-392.	1.5	32
77	Inducible Wnt16 inactivation: WNT16 regulates cortical bone thickness in adult mice. <i>Journal of Endocrinology</i> , 2018, 237, 113-122.	2.6	32
78	Endostatin inhibits VEGF-A induced osteoclastic bone resorption in vitro. <i>BMC Musculoskeletal Disorders</i> , 2006, 7, 56.	1.9	31
79	Peripheral blood monocytes show increased osteoclast differentiation potential compared to bone marrow monocytes. <i>Heliyon</i> , 2018, 4, e00780.	3.2	31
80	Keratinocytes cultured from patients with Hailey-Hailey disease and Darier disease display distinct patterns of calcium regulation. <i>British Journal of Dermatology</i> , 2005, 153, 113-117.	1.5	30
81	Bone resorption by aryl hydrocarbon receptor-expressing osteoclasts is not disturbed by TCDD in short-term cultures. <i>Life Sciences</i> , 2005, 77, 1351-1366.	4.3	30
82	Changes in subchondral bone mineral density and collagen matrix organization in growing horses. <i>Bone</i> , 2008, 43, 1108-1114.	2.9	30
83	Quantitative characterization of changes in bone geometry, mineral density and biomechanical properties in two rat strains with different Ah-receptor structures after long-term exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicology</i> , 2010, 273, 1-11.	4.2	30
84	Multiple miliary osteoma cutis is a distinct disease entity: four case reports and review of the literature. <i>British Journal of Dermatology</i> , 2011, 164, no-no.	1.5	28
85	Female Mice Lacking Estrogen Receptor- β in Hypothalamic Proopiomelanocortin (POMC) Neurons Display Enhanced Estrogenic Response on Cortical Bone Mass. <i>Endocrinology</i> , 2016, 157, 3242-3252.	2.8	28
86	Polarity of Mature Human Odontoblasts. <i>Journal of Dental Research</i> , 2013, 92, 1011-1016.	5.2	26
87	Temporal Trends in Vertebral Size and Shape from Medieval to Modern-Day. <i>PLoS ONE</i> , 2009, 4, e4836.	2.5	26
88	Toxicological Profile of Ultrapure 2,2,3,4,4,5,5-Heptachlorbiphenyl (PCB 180) in Adult Rats. <i>PLoS ONE</i> , 2014, 9, e104639.	2.5	25
89	Calcitonin treatment of immobilization osteoporosis in rats. <i>Acta Physiologica Scandinavica</i> , 1991, 141, 119-124.	2.2	24
90	Clodronate Prevents Osteopenia and Loss of Trabecular Connectivity in Estrogen-Deficient Rats. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 287-296.	2.8	24

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91	Osteoblastâ€derived NOTUM reduces cortical bone mass in mice and the <i>NOTUM</i> locus is associated with bone mineral density in humans. FASEB Journal, 2019, 33, 11163-11179.	0.5	24
92	Alteration in the Mechanical Competence and Structural Properties in the Femoral Neck and Vertebrae of Ovariectomized Rats. Journal of Bone and Mineral Research, 1999, 14, 616-623.	2.8	23
93	Long-term voluntary exercise of male mice induces more beneficial effects on cancellous and cortical bone than on the collagenous matrix. Experimental Gerontology, 2009, 44, 708-717.	2.8	23
94	Synergistic effects of tributyltin and 2,3,7,8-tetrachlorodibenzo-p-dioxin on differentiating osteoblasts and osteoclasts. Toxicology and Applied Pharmacology, 2012, 263, 210-217.	2.8	23
95	The role of activation functions 1 and 2 of estrogen receptor-Î± for the effects of estradiol and selective estrogen receptor modulators in male mice. Journal of Bone and Mineral Research, 2013, 28, 1117-1126.	2.8	23
96	Polarity of Osteoblasts and Osteoblast-like UMR-108 Cells. Journal of Bone and Mineral Research, 1999, 14, 1338-1344.	2.8	22
97	Bone morphogenetic proteins 4 and 2/7 induce osteogenic differentiation of mouse skin derived fibroblast and dermal papilla cells. Cell and Tissue Research, 2014, 355, 463-470.	2.9	22
98	Nuclear factor-Î²B signaling contributes to severe, but not moderate, angiotensin II-induced left ventricular remodeling. Journal of Hypertension, 2007, 25, 1927-1939.	0.5	21
99	The effect of oxide thickness on osteoblast attachment and survival on NiTi alloy. Journal of Materials Science: Materials in Medicine, 2007, 18, 959-967.	3.6	21
100	Biocompatibility of solâ€gel-derived titaniaâ€silica coated intramedullary NiTi nails. Acta Biomaterialia, 2009, 5, 785-793.	8.3	21
101	Transgene silencing of the Hutchinson-Gilford progeria syndrome mutation results in a reversible bone phenotype, whereas resveratrol treatment does not show overall beneficial effects. FASEB Journal, 2015, 29, 3193-3205.	0.5	21
102	Effect of exercise on osteoporosis induced by ovariectomy in rats. Calcified Tissue International, 1991, 49, S80-S80.	3.1	20
103	Effect of metal alloy surface stresses on the viability of ROS-17/2.8 osteoblastic cells. Biomaterials, 2002, 23, 3733-3740.	11.4	20
104	Renal insufficiency-induced bone loss is associated with an increase in bone size and preservation of strength in rat proximal femur. Bone, 2006, 39, 353-360.	2.9	20
105	A novel treatment of grade III acromioclavicular joint dislocations with a C-hook implant. Archives of Orthopaedic and Trauma Surgery, 2006, 126, 22-27.	2.4	20
106	Endostatin inhibits endochondral ossification. Journal of Gene Medicine, 2007, 9, 1057-1064.	2.8	20
107	Influence of intensity and changes of physical activity on bone mineral density of immature equine subchondral bone. Equine Veterinary Journal, 2009, 41, 564-571.	1.7	20
108	Enzalutamide Reduces the Bone Mass in the Axial But Not the Appendicular Skeleton in Male Mice. Endocrinology, 2016, 157, 969-977.	2.8	20

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109	SERMs have substance-specific effects on bone, and these effects are mediated via ER α -AF-1 in female mice. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E912-E918.	3.5	20
110	Hydroxyapatite as a Nanomaterial for Advanced Tissue Engineering and Drug Therapy. Current Pharmaceutical Design, 2017, 23, 3786-3793.	1.9	20
111	Unilateral Masticatory Function Changes the Proteoglycan Content of Mandibular Condylar Cartilage in Rabbit. Cells Tissues Organs, 2000, 167, 49-57.	2.3	19
112	RSPO3 is important for trabecular bone and fracture risk in mice and humans. Nature Communications, 2021, 12, 4923.	12.8	19
113	The androgen receptor is required for maintenance of bone mass in adult male mice. Molecular and Cellular Endocrinology, 2019, 479, 159-169.	3.2	19
114	Age-related trends in vertebral dimensions. Journal of Anatomy, 2015, 226, 434-439.	1.5	18
115	Bovine bone implant with bovine bone morphogenetic protein in healing a canine ulnar defect. International Orthopaedics, 2001, 25, 5-8.	1.9	17
116	Pectin-coated titanium implants are well-tolerated <i>in vivo</i> . Journal of Biomedical Materials Research - Part A, 2010, 93A, 1404-1409.	4.0	17
117	In utero and lactational exposure to Aroclor 1254 affects bone geometry, mineral density and biomechanical properties of rat offspring. Toxicology Letters, 2011, 207, 82-88.	0.8	17
118	Osteoclasts in the interface with electrospun hydroxyapatite. Colloids and Surfaces B: Biointerfaces, 2015, 135, 774-783.	5.0	17
119	Adhesion and mechanical properties of nanocrystalline hydroxyapatite coating obtained by conversion of atomic layer-deposited calcium carbonate on titanium substrate. Journal of Materials Science: Materials in Medicine, 2018, 29, 111.	3.6	17
120	Clinically relevant doses of vitamin A decrease cortical bone mass in mice. Journal of Endocrinology, 2018, 239, 389-402.	2.6	17
121	Effects of Long-Term Administration of Clodronate on Growing Rat Bone. Calcified Tissue International, 2001, 69, 350-355.	3.1	16
122	The Effect of Perinatal TCDD Exposure on Caries Susceptibility in Rats. Toxicological Sciences, 2006, 91, 568-575.	3.1	16
123	Affecting osteoblastic responses with <i>in vivo</i> engineered potato pectin fragments. Journal of Biomedical Materials Research - Part A, 2012, 100A, 111-119.	4.0	16
124	Preparation and bioactive properties of nanocrystalline hydroxyapatite thin films obtained by conversion of atomic layer deposited calcium carbonate. Biointerphases, 2014, 9, 031008.	1.6	15
125	Prednisolone treatment reduces the osteogenic effects of loading in mice. Bone, 2018, 112, 10-18.	2.9	15
126	Dioxin exposure in contaminated sawmill area: The use of molar teeth and bone of bank vole (<i>Clethrionomys glareolus</i>) and field vole (<i>Microtus agrestis</i>) as biomarkers. Chemosphere, 2007, 68, 951-957.	8.2	14

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127	Osteoclastogenesis is Influenced by Modulation of Gap Junctional Communication with Antiarrhythmic Peptides. <i>Calcified Tissue International</i> , 2013, 92, 270-281.	3.1	13
128	Modeling skeletal traits and functions of the upper body: Comparing archaeological and anthropological material. <i>Journal of Anthropological Archaeology</i> , 2013, 32, 347-351.	1.6	12
129	Liver-derived IGF-I regulates cortical bone mass but is dispensable for the osteogenic response to mechanical loading in female mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E138-E144.	3.5	12
130	Compressive loading of the murine tibia reveals site-specific micro-scale differences in adaptation and maturation rates of bone. <i>Osteoporosis International</i> , 2017, 28, 1121-1131.	3.1	12
131	Membrane estrogen receptor $\text{ER}\alpha$ is essential for estrogen signaling in the male skeleton. <i>Journal of Endocrinology</i> , 2018, 239, 303-312.	2.6	12
132	Osteoclasts and a small population of peripheral blood cells share common surface antigens. <i>Calcified Tissue International</i> , 1990, 47, 8-17.	3.1	11
133	Influence of physical activity on vertebral size. <i>Osteoporosis International</i> , 2011, 22, 371-372.	3.1	11
134	Perinatal Exposure to Environmental Contaminants Detected in Canadian Arctic Human Populations Changes Bone Geometry and Biomechanical Properties in Rat Offspring. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2011, 74, 1304-1318.	2.3	11
135	Comparison of the bone modeling effects caused by curved and straight nickel-titanium intramedullary nails. <i>Journal of Materials Science: Materials in Medicine</i> , 2002, 13, 1157-1161.	3.6	10
136	Fibronectin modulates osteoblast behavior on Nitinol. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 787-796.	4.0	10
137	Increased amount of phosphorylated proinflammatory osteopontin in rheumatoid arthritis synovia is associated to decreased tartrate-resistant acid phosphatase 5B/5A ratio. <i>PLoS ONE</i> , 2017, 12, e0182904.	2.5	10
138	Effect of bioactive glass airâ€abrasion on the wettability and osteoblast proliferation on sandblasted and acidâ€etched titanium surfaces. <i>European Journal of Oral Sciences</i> , 2020, 128, 160-169.	1.5	9
139	Osteoblast Attachment on Titanium Coated with Hydroxyapatite by Atomic Layer Deposition. <i>Biomolecules</i> , 2022, 12, 654.	4.0	9
140	Identification of osteoclasts by rhodamine-conjugated peanut agglutinin. <i>Calcified Tissue International</i> , 1986, 39, 161-165.	3.1	8
141	Endostatin Affects Osteoblast Behavior In Vitro, but Collagen XVIII/Endostatin Is Not Essential for Skeletal Development In Vivo. <i>Calcified Tissue International</i> , 2009, 85, 412-420.	3.1	8
142	Influence of physical activity on vertebral strength during late adolescence. <i>Spine Journal</i> , 2013, 13, 184-189.	1.3	8
143	The association between knee breadth and body mass: The Northern Finland Birth Cohort 1966 case study. <i>American Journal of Physical Anthropology</i> , 2019, 170, 196-206.	2.1	8
144	Endocrine, metabolic and apical effects of in utero and lactational exposure to non-dioxin-like 2,2â€,3,4,4â€,5,5â€heptachlorobiphenyl (PCB 180): A postnatal follow-up study in rats. <i>Reproductive Toxicology</i> , 2021, 102, 109-127.	2.9	8

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145	Bone morphogenetic protein 3b expressing reindeer antler. Journal of Biomedical Materials Research Part B, 2002, 59, 78-83.	3.1	7
146	The phase state of NiTi implant material affects osteoclastic attachment. Journal of Biomedical Materials Research - Part A, 2005, 75A, 681-688.	4.0	7
147	Biocompatibility-related surface characteristics of oxidized NiTi. Journal of Biomedical Materials Research - Part A, 2007, 82A, 810-819.	4.0	7
148	Preservation of bone mass and biomechanical properties during winter sleep in the raccoon dog (Nyctereutes procyonoides) as a novel model species. Bone, 2011, 48, 878-884.	2.9	7
149	Gap junctional communication is involved in differentiation of osteoclasts from bone marrow and peripheral blood monocytes. Heliyon, 2018, 4, e00621.	3.2	7
150	Androgen receptor SUMOylation regulates bone mass in male mice. Molecular and Cellular Endocrinology, 2019, 479, 117-122.	3.2	7
151	Development of a Low Temperature Sol-Gel-Derived Titania-Silica Implant Coating. Materials Sciences and Applications, 2010, 01, 118-126.	0.4	6
152	Osteocyte- and late osteoblast-derived NOTUM reduces cortical bone mass in mice. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E967-E975.	3.5	6
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