

Johannes P T M Van Leeuwen

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3488159/johannes-p-t-m-van-leeuwen-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

236
papers

15,999
citations

68
h-index

120
g-index

256
ext. papers

17,333
ext. citations

6
avg, IF

6.06
L-index

#	Paper	IF	Citations
236	Cell Surface Glycoprotein CD24 Marks Bone Marrow-Derived Human Mesenchymal Stem/Stromal Cells with Reduced Proliferative and Differentiation Capacity In Vitro. <i>Stem Cells and Development</i> , 2021 , 30, 325-336	4.4	0
235	A bibliometric overview of craniosynostosis research development. <i>European Journal of Medical Genetics</i> , 2021 , 64, 104224	2.6	2
234	Identification of osteolineage cell-derived extracellular vesicle cargo implicated in hematopoietic support. <i>FASEB Journal</i> , 2020 , 34, 5435-5452	0.9	5
233	Two-day-treatment of Activin-A leads to transient change in SV-HFO osteoblast gene expression and reduction in matrix mineralization. <i>Journal of Cellular Physiology</i> , 2020 , 235, 4865-4877	7	3
232	Sorting living mesenchymal stem cells using a TWIST1 RNA-based probe depends on incubation time and uptake capacity. <i>Cytotechnology</i> , 2020 , 72, 37-45	2.2	1
231	Follistatin Effects in Migration, Vascularization, and Osteogenesis and Bone Repair. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 38	5.8	8
230	Human mesenchymal stromal cells in adhesion to cell-derived extracellular matrix and titanium: Comparative kinome profile analysis. <i>Journal of Cellular Physiology</i> , 2019 , 234, 2984-2996	7	15
229	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	0.9	10
228	Hydroxychloroquine decreases human MSC-derived osteoblast differentiation and mineralization in vitro. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 873-882	5.6	5
227	Human Osteoblast-Derived Extracellular Matrix with High Homology to Bone Proteome Is Osteopromotive. <i>Tissue Engineering - Part A</i> , 2018 , 24, 1377-1389	3.9	13
226	Collagen I derived recombinant protein microspheres as novel delivery vehicles for bone morphogenetic protein-2. <i>Materials Science and Engineering C</i> , 2018 , 84, 271-280	8.3	16
225	NELL-1, HMGB1, and CCN2 Enhance Migration and Vasculogenesis, But Not Osteogenic Differentiation Compared to BMP2. <i>Tissue Engineering - Part A</i> , 2018 , 24, 207-218	3.9	18
224	Comparative proteomic profiling of human osteoblast-derived extracellular matrices identifies proteins involved in mesenchymal stromal cell osteogenic differentiation and mineralization. <i>Journal of Cellular Physiology</i> , 2018 , 233, 387-395	7	16
223	A comparison of UVb compact lamps in enabling cutaneous vitamin D synthesis in growing bearded dragons. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018 , 102, 308-316	2.6	7
222	Hydroxychloroquine affects bone resorption both in vitro and in vivo. <i>Journal of Cellular Physiology</i> , 2018 , 233, 1424-1433	7	17
221	Using the Connectivity Map to discover compounds influencing human osteoblast differentiation. <i>Journal of Cellular Physiology</i> , 2018 , 233, 4895-4906	7	17
220	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	6.3	32

219	Zika virus infection perturbs osteoblast function. <i>Scientific Reports</i> , 2018 , 8, 16975	4.9	5
218	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	4.7	9
217	Serum Phosphate Is Associated With Fracture Risk: The Rotterdam Study and MrOS. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 1182-1193	6.3	31
216	Vitamin D endocrinology of bone mineralization. <i>Molecular and Cellular Endocrinology</i> , 2017 , 453, 46-51	4.4	41
215	Identification of Three Early Phases of Cell-Fate Determination during Osteogenic and Adipogenic Differentiation by Transcription Factor Dynamics. <i>Stem Cell Reports</i> , 2017 , 8, 947-960	8	50
214	Molecular characterization of human osteoblast-derived extracellular vesicle mRNA using next-generation sequencing. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017 , 1864, 1133-1149	4.9	15
213	Osteoclastogenic capacity of peripheral blood mononuclear cells is not different between women with and without osteoporosis. <i>Bone</i> , 2017 , 95, 108-114	4.7	5
212	25-Hydroxyvitamin D and osteoarthritis: A meta-analysis including new data. <i>Seminars in Arthritis and Rheumatism</i> , 2016 , 45, 539-46	5.3	24
211	Paracrine Signaling by Extracellular Vesicles via Osteoblasts. <i>Current Molecular Biology Reports</i> , 2016 , 2, 48-55	2	17
210	Adverse Effects of Diabetes Mellitus on the Skeleton of Aging Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016 , 71, 290-9	6.4	9
209	Lifelong challenge of calcium homeostasis in male mice lacking TRPV5 leads to changes in bone and calcium metabolism. <i>Oncotarget</i> , 2016 , 7, 24928-41	3.3	1
208	Inflammatory Niche Signalling Drives Genotoxic Stress in Hematopoietic Stem Cells and Predicts Leukemic Evolution in Human Leukemia Predisposition Syndromes. <i>Blood</i> , 2016 , 128, 428-428	2.2	
207	Novel Compound Heterozygous Mutations in the CYP27B1 Gene Lead to Pseudovitamin D-Deficient Rickets. <i>Calcified Tissue International</i> , 2016 , 99, 326-31	3.9	3
206	Osteoblasts secrete miRNA-containing extracellular vesicles that enhance expansion of human umbilical cord blood cells. <i>Scientific Reports</i> , 2016 , 6, 32034	4.9	16
205	Mesenchymal Inflammation Drives Genotoxic Stress in Hematopoietic Stem Cells and Predicts Disease Evolution in Human Pre-leukemia. <i>Cell Stem Cell</i> , 2016 , 19, 613-627	18	199
204	Proteomic signatures of extracellular vesicles secreted by nonmineralizing and mineralizing human osteoblasts and stimulation of tumor cell growth. <i>FASEB Journal</i> , 2015 , 29, 274-85	0.9	55
203	The diet of free-roaming Australian Central Bearded Dragons (<i>Pogona vitticeps</i>). <i>Zoo Biology</i> , 2015 , 34, 271-7	1.6	14
202	Dexamethasone in osteogenic medium strongly induces adipocyte differentiation of mouse bone marrow stromal cells and increases osteoblast differentiation. <i>BMC Cell Biology</i> , 2015 , 16, 9		52

201	Connectivity Map-based discovery of parabendazole reveals targetable human osteogenic pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 12711-6	11.5	47
200	Thrombin receptor deficiency leads to a high bone mass phenotype by decreasing the RANKL/OPG ratio. <i>Bone</i> , 2015 , 72, 14-22	4.7	17
199	Supporting data of spatiotemporal proliferation of human stromal cells adjusts to nutrient availability and leads to stanniocalcin-1 expression in vitro and in vivo. <i>Data in Brief</i> , 2015 , 5, 84-94	1.2	1
198	THE INFLUENCE OF ULTRAVIOLET-B RADIATION ON THE GROWTH OF MARABOU STORK (LEPTOPTILOS CRUMENIFERUS) NESTLINGS IN RELATION TO PLASMA CALCIUM, PHOSPHORUS, AND VITAMIN D3 CONCENTRATIONS. <i>Journal of Zoo and Wildlife Medicine</i> , 2015 , 46, 682-90	0.9	4
197	Spatiotemporal proliferation of human stromal cells adjusts to nutrient availability and leads to stanniocalcin-1 expression in vitro and in vivo. <i>Biomaterials</i> , 2015 , 61, 190-202	15.6	9
196	UV exposure inhibits intestinal tumor growth and progression to malignancy in intestine-specific Apc mutant mice kept on low vitamin D diet. <i>International Journal of Cancer</i> , 2015 , 136, 271-7	7.5	23
195	EVpedia: a community web portal for extracellular vesicles research. <i>Bioinformatics</i> , 2015 , 31, 933-9	7.2	256
194	Identification of microRNAs in human plasma. <i>Methods in Molecular Biology</i> , 2015 , 1226, 71-85	1.4	1
193	Vitamin D endocrine system and osteoblasts. <i>BoneKEy Reports</i> , 2014 , 3, 493		46
192	Cancer and bone: a complex complex. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 561, 159-66	4.1	30
191	A human vitamin D receptor mutation causes rickets and impaired Th1/Th17 responses. <i>Bone</i> , 2014 , 69, 6-11	4.7	8
190	Genetic manipulation of the ghrelin signaling system in male mice reveals bone compartment specificity of acylated and unacylated ghrelin in the regulation of bone remodeling. <i>Endocrinology</i> , 2014 , 155, 4287-95	4.8	13
189	Extracellular vesicles: specialized bone messengers. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 561, 38-45	4.1	20
188	Calcifying vascular smooth muscle cells and osteoblasts: independent cell types exhibiting extracellular matrix and biomineralization-related mimics. <i>BMC Genomics</i> , 2014 , 15, 965	4.5	64
187	Vitamin D and gene networks in human osteoblasts. <i>Frontiers in Physiology</i> , 2014 , 5, 137	4.6	68
186	Ghrelin and bone. <i>BioFactors</i> , 2014 , 40, 41-8	6.1	38
185	Bioinformatics-based selection of a model cell type for in vitro biomaterial testing. <i>Biomaterials</i> , 2013 , 34, 5552-61	15.6	10
184	Oxygen-induced transcriptional dynamics in human osteoblasts are most prominent at the onset of mineralization. <i>Journal of Cellular Physiology</i> , 2013 , 228, 1863-72	7	5

183	Effect of calcium and cholecalciferol supplementation on several parameters of calcium status in plasma and urine of captive Asian (<i>Elephas maximus</i>) and African elephants (<i>Loxodonta africana</i>). <i>Journal of Zoo and Wildlife Medicine</i> , 2013 , 44, 529-40	0.9	11
182	1 α ,25-dihydroxyvitamin D3 and rosiglitazone synergistically enhance osteoblast-mediated mineralization. <i>Gene</i> , 2013 , 512, 438-43	3.8	14
181	The vitamin D analog ZK191784 normalizes decreased bone matrix mineralization in mice lacking the calcium channel TRPV5. <i>Journal of Cellular Physiology</i> , 2013 , 228, 402-7	7	5
180	A small molecule approach to engineering vascularized tissue. <i>Biomaterials</i> , 2013 , 34, 3053-63	15.6	30
179	Blood vitamin D(3) metabolite concentrations of adult female bearded dragons (<i>Pogona vitticeps</i>) remain stable after ceasing UVb exposure. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2013 , 165, 196-200	2.3	13
178	TRPV4 deficiency causes sexual dimorphism in bone metabolism and osteoporotic fracture risk. <i>Bone</i> , 2013 , 57, 443-54	4.7	28
177	MicroRNA functions in osteogenesis and dysfunctions in osteoporosis. <i>Current Osteoporosis Reports</i> , 2013 , 11, 72-82	5.4	159
176	High content imaging in the screening of biomaterial-induced MSC behavior. <i>Biomaterials</i> , 2013 , 34, 1498-505	5.6	17
175	High bone mineral density and fracture risk in type 2 diabetes as skeletal complications of inadequate glucose control: the Rotterdam Study. <i>Diabetes Care</i> , 2013 , 36, 1619-28	14.6	240
174	Activin A suppresses osteoblast mineralization capacity by altering extracellular matrix (ECM) composition and impairing matrix vesicle (MV) production. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 2890-900	7.6	48
173	1 α ,25-dihydroxyvitamin D3 stimulates activin A production to fine-tune osteoblast-induced mineralization. <i>Journal of Cellular Physiology</i> , 2013 , 228, 2167-74	7	30
172	A3.1 1.25(OH)2D3 Inhibits Th17 Polarisation and ROR γ Expression through GATA3-Dependent and -Independent Mechanisms. <i>Annals of the Rheumatic Diseases</i> , 2013 , 72, A13.2-A13	2.4	
171	A calcium-induced signaling cascade leading to osteogenic differentiation of human bone marrow-derived mesenchymal stromal cells. <i>Biomaterials</i> , 2012 , 33, 3205-15	15.6	304
170	Decreased oxygen tension lowers reactive oxygen species and apoptosis and inhibits osteoblast matrix mineralization through changes in early osteoblast differentiation. <i>Journal of Cellular Physiology</i> , 2012 , 227, 1309-18	7	42
169	The transient receptor potential channel TRPV6 is dynamically expressed in bone cells but is not crucial for bone mineralization in mice. <i>Journal of Cellular Physiology</i> , 2012 , 227, 1951-9	7	33
168	IFN γ impairs extracellular matrix formation leading to inhibition of mineralization by effects in the early stage of human osteoblast differentiation. <i>Journal of Cellular Physiology</i> , 2012 , 227, 2668-76	7	21
167	Bone fragility and decline in stem cells in prematurely aging DNA repair deficient trichothiodystrophy mice. <i>Age</i> , 2012 , 34, 845-61		18
166	5-HIAA excretion is not associated with bone metabolism in carcinoid syndrome patients. <i>Bone</i> , 2012 , 50, 1260-5	4.7	11

165	In vitro cytotoxicity evaluation of porous TiO ₂ Ag antibacterial coatings for human fetal osteoblasts. <i>Acta Biomaterialia</i> , 2012 , 8, 4191-7	10.8	117
164	An age-dependent interaction with leptin unmasks ghrelin's bone-protective effects. <i>Endocrinology</i> , 2012 , 153, 3593-602	4.8	34
163	Evidence of vitamin D and interferon- γ cross-talk in human osteoblasts with 1,25-dihydroxyvitamin D ₃ being dominant over interferon- γ in stimulating mineralization. <i>Journal of Cellular Physiology</i> , 2012 , 227, 3258-66	7	16
162	TNF blockade requires 1,25(OH) ₂ D ₃ to control human Th17-mediated synovial inflammation. <i>Annals of the Rheumatic Diseases</i> , 2012 , 71, 606-12	2.4	59
161	Better knowledge on vitamin D and calcium in older people is associated with a higher serum vitamin D level and a higher daily dietary calcium intake. <i>Health Education Journal</i> , 2012 , 71, 474-482	1.5	6
160	Diverse effects of cyclic AMP variants on osteogenic and adipogenic differentiation of human mesenchymal stromal cells. <i>Tissue Engineering - Part A</i> , 2012 , 18, 1431-42	3.9	12
159	Effects of dexamethasone-loaded PLGA microspheres on human fetal osteoblasts. <i>Journal of Biomaterials Applications</i> , 2012 , 27, 477-83	2.9	12
158	Characterization of vitamin D-deficient klotho(-/-) mice: do increased levels of serum 1,25(OH) ₂ D ₃ cause disturbed calcium and phosphate homeostasis in klotho(-/-) mice?. <i>Nephrology Dialysis Transplantation</i> , 2012 , 27, 4061-8	4.3	17
157	1,25(OH) ₂ D ₃ modulates gene expression involved in cytokine production, proliferation, survival and migration of TH17 cells from patients with rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2012 , 71, A17.1-A17	2.4	
156	Age-related skeletal dynamics and decrease in bone strength in DNA repair deficient male trichothiodystrophy mice. <i>PLoS ONE</i> , 2012 , 7, e35246	3.7	13
155	Unraveling the human bone microenvironment beyond the classical extracellular matrix proteins: a human bone protein library. <i>Journal of Proteome Research</i> , 2011 , 10, 4725-33	5.6	33
154	Basic techniques in human mesenchymal stem cell cultures: differentiation into osteogenic and adipogenic lineages, genetic perturbations, and phenotypic analyses. <i>Current Protocols in Stem Cell Biology</i> , 2011 , Chapter 1, Unit1H.3	2.8	33
153	Opposing actions of rosiglitazone and resveratrol on mineralization in human vascular smooth muscle cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 51, 862-71	5.8	7
152	Analysis of osteoarthritis in a mouse model of the progeroid human DNA repair syndrome trichothiodystrophy. <i>Age</i> , 2011 , 33, 247-60		10
151	GPM6B regulates osteoblast function and induction of mineralization by controlling cytoskeleton and matrix vesicle release. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 2045-51	6.3	39
150	Osteoarthritis induction leads to early and temporal subchondral plate porosity in the tibial plateau of mice: an in vivo microfocal computed tomography study. <i>Arthritis and Rheumatism</i> , 2011 , 63, 2690-9		122
149	Pro-osteogenic trophic effects by PKA activation in human mesenchymal stromal cells. <i>Biomaterials</i> , 2011 , 32, 6089-98	15.6	27
148	Vitamin D suppresses the pathogenic behaviour of primary Th17 cells from patients with early rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2011 , 70, A47-A47	2.4	5

147	Preliminary validation of assays to measure parameters of calcium metabolism in captive Asian and African elephants in western Europe. <i>Journal of Veterinary Diagnostic Investigation</i> , 2011 , 23, 504-10	1.5	5
146	Synergistic induction of local glucocorticoid generation by inflammatory cytokines and glucocorticoids: implications for inflammation associated bone loss. <i>Annals of the Rheumatic Diseases</i> , 2010 , 69, 1185-90	2.4	42
145	Design principles of nuclear receptor signaling: how complex networking improves signal transduction. <i>Molecular Systems Biology</i> , 2010 , 6, 446	12.2	26
144	Proteomic analysis of human osteoblastic cells: relevant proteins and functional categories for differentiation. <i>Journal of Proteome Research</i> , 2010 , 9, 4688-700	5.6	21
143	Effects of vitamin D3 supplementation and UVb exposure on the growth and plasma concentration of vitamin D3 metabolites in juvenile bearded dragons (<i>Pogona vitticeps</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010 , 156, 122-8	2.3	34
142	Oestrogen is important for maintenance of cartilage and subchondral bone in a murine model of knee osteoarthritis. <i>Arthritis Research and Therapy</i> , 2010 , 12, R182	5.7	65
141	The role of body mass index, insulin, and adiponectin in the relation between fat distribution and bone mineral density. <i>Calcified Tissue International</i> , 2010 , 86, 116-25	3.9	57
140	Stimulation of osteogenic differentiation in human osteoprogenitor cells by pulsed electromagnetic fields: an in vitro study. <i>BMC Musculoskeletal Disorders</i> , 2010 , 11, 188	2.8	112
139	The T-13910C polymorphism in the lactase phlorizin hydrolase gene is associated with differences in serum calcium levels and calcium intake. <i>Journal of Bone and Mineral Research</i> , 2010 , 25, 1980-7	6.3	19
138	1,25-dihydroxyvitamin D3 modulates Th17 polarization and interleukin-22 expression by memory T cells from patients with early rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2010 , 62, 132-42		212
137	Stretch-induced inhibition of Wnt/beta-catenin signaling in mineralizing osteoblasts. <i>Journal of Orthopaedic Research</i> , 2010 , 28, 390-6	3.8	24
136	Estrogen modulates iodoacetate-induced gene expression in bovine cartilage explants. <i>Journal of Orthopaedic Research</i> , 2010 , 28, 607-15	3.8	8
135	1Alpha,25-(OH)2D3 acts in the early phase of osteoblast differentiation to enhance mineralization via accelerated production of mature matrix vesicles. <i>Journal of Cellular Physiology</i> , 2010 , 225, 593-600	7	55
134	A new concept underlying stem cell lineage skewing that explains the detrimental effects of thiazolidinediones on bone. <i>Stem Cells</i> , 2010 , 28, 916-27	5.8	62
133	Klotho prevents renal calcium loss. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 2371-9	12.7	93
132	ADAMTS5 ^{-/-} mice have less subchondral bone changes after induction of osteoarthritis through surgical instability: implications for a link between cartilage and subchondral bone changes. <i>Osteoarthritis and Cartilage</i> , 2009 , 17, 636-45	6.2	99
131	Development of osteoarthritic features in estrogen receptor knockout mice. <i>Osteoarthritis and Cartilage</i> , 2009 , 17, 1356-61	6.2	32
130	SIRT1 genetic variation and mortality in type 2 diabetes: interaction with smoking and dietary niacin. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 836-41	7.8	38

129	Evidence for direct effects of prolactin on human osteoblasts: Inhibition of cell growth and mineralization. <i>Journal of Cellular Biochemistry</i> , 2009 , 107, 677-85	4.7	82
128	Systems biology towards life in silico: mathematics of the control of living cells. <i>Journal of Mathematical Biology</i> , 2009 , 58, 7-34	2	66
127	Ageing and vitamin D deficiency: effects on calcium homeostasis and considerations for vitamin D supplementation. <i>British Journal of Nutrition</i> , 2009 , 101, 1597-606	3.6	42
126	Vitamin D binding protein genotype and osteoporosis. <i>Calcified Tissue International</i> , 2009 , 85, 85-93	3.9	89
125	Vitamin D status, bone mineral density, and the development of radiographic osteoarthritis of the knee: The Rotterdam Study. <i>Journal of Clinical Rheumatology</i> , 2009 , 15, 230-7	1.1	95
124	A role for subchondral bone changes in the process of osteoarthritis; a micro-CT study of two canine models. <i>BMC Musculoskeletal Disorders</i> , 2008 , 9, 20	2.8	100
123	Evidence for multiple peroxisome proliferator-activated receptor gamma transcripts in bone: fine-tuning by hormonal regulation and mRNA stability. <i>FEBS Letters</i> , 2008 , 582, 1618-24	3.8	24
122	Cartilage damage pattern in relation to subchondral plate thickness in a collagenase-induced model of osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2008 , 16, 506-14	6.2	92
121	Animal models for osteoarthritis: the effect of ovariectomy and estrogen treatment - a systematic approach. <i>Osteoarthritis and Cartilage</i> , 2008 , 16, 533-41	6.2	131
120	Large-scale analysis of association between polymorphisms in the transforming growth factor beta 1 gene (TGFB1) and osteoporosis: the GENOMOS study. <i>Bone</i> , 2008 , 42, 969-81	4.7	83
119	Iodothyronine deiodinase enzyme activities in bone. <i>Bone</i> , 2008 , 43, 126-134	4.7	67
118	Subclinical hypocalcaemia in captive Asian elephants (<i>Elephas maximus</i>). <i>Veterinary Record</i> , 2008 , 162, 475-9	0.9	11
117	Large-scale analysis of association between LRP5 and LRP6 variants and osteoporosis. <i>JAMA - Journal of the American Medical Association</i> , 2008 , 299, 1277-90	27.4	204
116	Wnt signaling acts and is regulated in a human osteoblast differentiation dependent manner. <i>Journal of Cellular Biochemistry</i> , 2008 , 104, 568-79	4.7	62
115	Bone resorption inhibitor alendronate normalizes the reduced bone thickness of TRPV5(-/-) mice. <i>Journal of Bone and Mineral Research</i> , 2008 , 23, 1815-24	6.3	21
114	Ghrelin and bone. <i>Vitamins and Hormones</i> , 2008 , 77, 239-58	2.5	25
113	Vitamin D receptor gene haplotype is associated with body height and bone size. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 1491-501	5.6	44
112	Long-term fluoxetine administration does not result in major changes in bone architecture and strength in growing rats. <i>Journal of Cellular Biochemistry</i> , 2007 , 101, 360-8	4.7	37

111	Intrinsic differentiation potential of adolescent human tendon tissue: an in-vitro cell differentiation study. <i>BMC Musculoskeletal Disorders</i> , 2007 , 8, 16	2.8	77
110	The activin A-follistatin system: potent regulator of human extracellular matrix mineralization. <i>FASEB Journal</i> , 2007 , 21, 2949-60	0.9	139
109	The catechol-O-methyltransferase Met158 low-activity allele and association with nonvertebral fracture risk in elderly men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 3206-12	5.6	18
108	Long-term serotonin administration leads to higher bone mineral density, affects bone architecture, and leads to higher femoral bone stiffness in rats. <i>Journal of Cellular Biochemistry</i> , 2006 , 97, 1283-91	4.7	55
107	Evidence that both 1alpha,25-dihydroxyvitamin D3 and 24-hydroxylated D3 enhance human osteoblast differentiation and mineralization. <i>Journal of Cellular Biochemistry</i> , 2006 , 99, 922-35	4.7	119
106	Stretch-induced modulation of matrix metalloproteinases in mineralizing osteoblasts via extracellular signal-regulated kinase-1/2. <i>Journal of Orthopaedic Research</i> , 2006 , 24, 1480-8	3.8	24
105	The novel vitamin D analog ZK191784 as an intestine-specific vitamin D antagonist. <i>FASEB Journal</i> , 2006 ,	0.9	14
104	Age-dependent alterations in Ca ²⁺ homeostasis: role of TRPV5 and TRPV6. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 291, F1177-83	4.3	41
103	Ghrelin and unacylated ghrelin stimulate human osteoblast growth via mitogen-activated protein kinase (MAPK)/phosphoinositide 3-kinase (PI3K) pathways in the absence of GHS-R1a. <i>Journal of Endocrinology</i> , 2006 , 188, 37-47	4.7	128
102	Evidence for auto/paracrine actions of vitamin D in bone: 1alpha-hydroxylase expression and activity in human bone cells. <i>FASEB Journal</i> , 2006 , 20, 2417-9	0.9	159
101	The essential role of glucocorticoids for proper human osteoblast differentiation and matrix mineralization. <i>Molecular and Cellular Endocrinology</i> , 2006 , 248, 87-93	4.4	104
100	Large-scale evidence for the effect of the COL1A1 Sp1 polymorphism on osteoporosis outcomes: the GENOMOS study. <i>PLoS Medicine</i> , 2006 , 3, e90	11.6	134
99	The novel vitamin D analog ZK191784 as an intestine-specific vitamin D antagonist. <i>FASEB Journal</i> , 2006 , 20, 2171-3	0.9	13
98	The association between common vitamin D receptor gene variations and osteoporosis: a participant-level meta-analysis. <i>Annals of Internal Medicine</i> , 2006 , 145, 255-64	8	185
97	Estrogen receptor beta (ESR2) polymorphisms in interaction with estrogen receptor alpha (ESR1) and insulin-like growth factor I (IGF1) variants influence the risk of fracture in postmenopausal women. <i>Journal of Bone and Mineral Research</i> , 2006 , 21, 1443-56	6.3	69
96	Common genetic variation of the low-density lipoprotein receptor-related protein 5 and 6 genes determines fracture risk in elderly white men. <i>Journal of Bone and Mineral Research</i> , 2006 , 21, 141-50	6.3	120
95	Promoter and 3' untranslated-region haplotypes in the vitamin d receptor gene predispose to osteoporotic fracture: the rotterdam study. <i>American Journal of Human Genetics</i> , 2005 , 77, 807-23	11	258
94	Identification of acid-sensing ion channels in bone. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 337, 349-54	3.4	115

93	Bone mineral density and vertebral fracture history are associated with incident and progressive radiographic knee osteoarthritis in elderly men and women: the Rotterdam Study. <i>Bone</i> , 2005 , 37, 446-58	4.7	66
92	Mechanism and function of high vitamin D receptor levels in genetic hypercalciuric stone-forming rats. <i>Journal of Bone and Mineral Research</i> , 2005 , 20, 447-54	6.3	52
91	Coordinated control of renal Ca(2+) transport proteins by parathyroid hormone. <i>Kidney International</i> , 2005 , 68, 1708-21	9.9	162
90	Estrogen receptor alpha gene polymorphisms are associated with estradiol levels in postmenopausal women. <i>European Journal of Endocrinology</i> , 2005 , 153, 327-34	6.5	96
89	Hypervitaminosis D mediates compensatory Ca2+ hyperabsorption in TRPV5 knockout mice. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 3188-95	12.7	74
88	11beta-Hydroxysteroid dehydrogenase expression and glucocorticoid synthesis are directed by a molecular switch during osteoblast differentiation. <i>Molecular Endocrinology</i> , 2005 , 19, 621-31		78
87	The epithelial Ca2+ channel TRPV5 is essential for proper osteoclastic bone resorption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 17507-12	11.5	144
86	Vitamin D: Cancer and Differentiation 2005 , 1571-1597		6
85	Height in pre- and postmenopausal women is influenced by estrogen receptor alpha gene polymorphisms. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 303-9	5.6	60
84	Estrogen receptor alpha gene polymorphisms and risk of myocardial infarction. <i>JAMA - Journal of the American Medical Association</i> , 2004 , 291, 2969-77	27.4	170
83	Differential genetic effects of ESR1 gene polymorphisms on osteoporosis outcomes. <i>JAMA - Journal of the American Medical Association</i> , 2004 , 292, 2105-14	27.4	238
82	Stretch-induced phosphorylation of ERK1/2 depends on differentiation stage of osteoblasts. <i>Journal of Cellular Biochemistry</i> , 2004 , 93, 542-51	4.7	50
81	Homocysteine levels and the risk of osteoporotic fracture. <i>New England Journal of Medicine</i> , 2004 , 350, 2033-41	59.2	593
80	Genetics and biology of vitamin D receptor polymorphisms. <i>Gene</i> , 2004 , 338, 143-56	3.8	1047
79	Fracture incidence and association with bone mineral density in elderly men and women: the Rotterdam Study. <i>Bone</i> , 2004 , 34, 195-202	4.7	1087
78	Fibroblast growth factor-2 in serum-free medium is a potent mitogen and reduces dedifferentiation of human ear chondrocytes in monolayer culture. <i>Matrix Biology</i> , 2004 , 23, 231-41	11.4	100
77	Osteoblast differentiation and control by vitamin D and vitamin D metabolites. <i>Current Pharmaceutical Design</i> , 2004 , 10, 2535-55	3.3	110
76	Interaction between vitamin D receptor genotype and estrogen receptor alpha genotype influences vertebral fracture risk. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 3777-84	5.6	30

75	Accelerated bone aging in the trichothiodystrophy mouse model. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2003 , 58, 969	6.4	
74	Regulation of the epithelial Ca ²⁺ channels in small intestine as studied by quantitative mRNA detection. <i>American Journal of Physiology - Renal Physiology</i> , 2003 , 285, G78-85	5.1	138
73	Cdx-2 polymorphism in the promoter region of the human vitamin D receptor gene determines susceptibility to fracture in the elderly. <i>Journal of Bone and Mineral Research</i> , 2003 , 18, 1632-41	6.3	102
72	Mechanical control of human osteoblast apoptosis and proliferation in relation to differentiation. <i>Calcified Tissue International</i> , 2003 , 72, 505-12	3.9	111
71	Estrogen receptor alpha gene haplotype is associated with radiographic osteoarthritis of the knee in elderly men and women. <i>Arthritis and Rheumatism</i> , 2003 , 48, 1913-22		113
70	Osteoarthritis of the knee is associated with vertebral and nonvertebral fractures in the elderly: the Rotterdam Study. <i>Arthritis and Rheumatism</i> , 2003 , 49, 648-57		61
69	The importance of oestrogens in males. <i>Clinical Endocrinology</i> , 2003 , 58, 529-42	3.4	64
68	Dietary 135-fold cholecalciferol supplementation severely disturbs the endochondral ossification in growing dogs. <i>Domestic Animal Endocrinology</i> , 2003 , 24, 265-85	2.3	13
67	Association of 5Sestrogen receptor alpha gene polymorphisms with bone mineral density, vertebral bone area and fracture risk. <i>Human Molecular Genetics</i> , 2003 , 12, 1745-54	5.6	147
66	Renal Ca ²⁺ wasting, hyperabsorption, and reduced bone thickness in mice lacking TRPV5. <i>Journal of Clinical Investigation</i> , 2003 , 112, 1906-14	15.9	147
65	Renal Ca ²⁺ wasting, hyperabsorption, and reduced bone thickness in mice lacking TRPV5. <i>Journal of Clinical Investigation</i> , 2003 , 112, 1906-1914	15.9	352
64	Detection of noncollagenous bone proteins in methylmethacrylate-embedded human bone sections. <i>Methods in Molecular Medicine</i> , 2003 , 80, 249-58		1
63	A central dinucleotide within vitamin D response elements modulates DNA binding and transactivation by the vitamin D receptor in cellular response to natural and synthetic ligands. <i>Journal of Biological Chemistry</i> , 2002 , 277, 14539-46	5.4	9
62	ERK activation and alpha v beta 3 integrin signaling through Shc recruitment in response to mechanical stimulation in human osteoblasts. <i>Journal of Cellular Biochemistry</i> , 2002 , 87, 85-92	4.7	63
61	The collagen Ia1 SP1 polymorphism is associated with differences in ultrasound transmission velocity in the calcaneus in postmenopausal women. <i>Calcified Tissue International</i> , 2002 , 70, 450-6	3.9	15
60	A cross-sectional study on biochemical parameters of bone turnover and vitamin d metabolites in healthy dutch children and young adults. <i>Hormone Research in Paediatrics</i> , 2002 , 57, 170-9	3.3	34
59	Moderate cholecalciferol supplementation depresses intestinal calcium absorption in growing dogs. <i>Journal of Nutrition</i> , 2002 , 132, 2644-50	4.1	22
58	1,25-dihydroxyvitamin D(3)-independent stimulatory effect of estrogen on the expression of ECaC1 in the kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2002 , 13, 2102-9	12.7	116

57	Interaction between the vitamin D receptor gene and collagen type Ialpha1 gene in susceptibility for fracture. <i>Journal of Bone and Mineral Research</i> , 2001 , 16, 379-85	6.3	87
56	24,25-Dihydroxyvitamin D(3) and bone metabolism. <i>Steroids</i> , 2001 , 66, 375-80	2.8	40
55	Detection of sequence variability of the collagen type IIalpha 1 3Svariable number of tandem repeat. <i>Electrophoresis</i> , 2000 , 21, 3571-7	3.6	3
54	Adjacent genes, for COL2A1 and the vitamin D receptor, are associated with separate features of radiographic osteoarthritis of the knee. <i>Arthritis and Rheumatism</i> , 2000 , 43, 1456-64		76
53	Consequences of vitamin D receptor gene polymorphisms for growth inhibition of cultured human peripheral blood mononuclear cells by 1, 25-dihydroxyvitamin D3. <i>Clinical Endocrinology</i> , 2000 , 52, 211-6 ³⁻⁴		147
52	Contribution of several metabolites of the vitamin D analog 20-epi-22-oxa-24a,26a,27a-tri-homo-1,25-(OH)(2) vitamin D(3) (KH 1060) to the overall biological activity of KH1060 by a shared mechanism of action. <i>Biochemical Pharmacology</i> , 2000 , 59, 621-7	6	12
51	Anti-tumor effects of 1,25-dihydroxyvitamin D3 and vitamin D analogs. <i>Current Pharmaceutical Design</i> , 2000 , 6, 717-32	3.3	63
50	Estrogen receptor polymorphism predicts the onset of natural and surgical menopause. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999 , 84, 3146-50	5.6	188
49	Evidence for involvement of 17beta-estradiol in intestinal calcium absorption independent of 1,25-dihydroxyvitamin D3 level in the Rat. <i>Journal of Bone and Mineral Research</i> , 1999 , 14, 57-64	6.3	84
48	Estrogen receptor and the SERM concept. <i>Journal of Endocrinological Investigation</i> , 1999 , 22, 594-603	5.2	19
47	Distinct effects on the conformation of estrogen receptor alpha and beta by both the antiestrogens ICI 164,384 and ICI 182,780 leading to opposite effects on receptor stability. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 261, 1-5	3.4	56
46	Estrogen Receptor Polymorphism Predicts the Onset of Natural and Surgical Menopause. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999 , 84, 3146-3150	5.6	142
45	Vitamin D and Breast Cancer 1999 , 411-429		
44	Estradiol formation by human osteoblasts via multiple pathways: relation with osteoblast function. <i>Journal of Cellular Biochemistry</i> , 1999 , 75, 528-37	4.7	16
43	Regulation of osteocalcin production and bone resorption by 1,25-dihydroxyvitamin D3 in mouse long bones: interaction with the bone-derived growth factors TGF-beta and IGF-I. <i>Journal of Bone and Mineral Research</i> , 1998 , 13, 36-43	6.3	31
42	Population analysis of the collagen type IIalpha1 3Svariable number of tandem repeat polymorphism by heteroduplex genotyping. <i>Electrophoresis</i> , 1998 , 19, 661-6	3.6	4
41	Lack of associations between serum leptin, a polymorphism in the gene for the beta 3-adrenergic receptor and glucose tolerance in the Dutch population. <i>Clinical Endocrinology</i> , 1998 , 49, 229-34	3.4	20
40	Immunolocalization and quantification of noncollagenous bone matrix proteins in methylmethacrylate-embedded adult human bone in combination with histomorphometry. <i>Bone</i> , 1998 , 22, 367-73	4.7	55

39	Relation of alleles of the collagen type I alpha1 gene to bone density and the risk of osteoporotic fractures in postmenopausal women. <i>New England Journal of Medicine</i> , 1998 , 338, 1016-21	59.2	388
38	Differential expression of estrogen receptors alpha and beta mRNA during differentiation of human osteoblast SV-HFO cells. <i>Endocrinology</i> , 1997 , 138, 5067-70	4.8	274
37	Consequences of vitamin D receptor regulation for the 1,25-dihydroxyvitamin D3-induced 24-hydroxylase activity in osteoblast-like cells: initiation of the C24-oxidation pathway. <i>Bone</i> , 1997 , 20, 237-43	4.7	20
36	Cyclical etidronate in the prevention of bone loss in corticosteroid-treated primary biliary cirrhosis. A prospective, controlled pilot study. <i>Journal of Hepatology</i> , 1997 , 26, 325-30	13.4	107
35	The effect of vitamin D supplementation on the bone mineral density of the femoral neck is associated with vitamin D receptor genotype. <i>Journal of Bone and Mineral Research</i> , 1997 , 12, 1241-5	6.3	111
34	Vitamin D receptor genotype is associated with radiographic osteoarthritis at the knee. <i>Journal of Clinical Investigation</i> , 1997 , 100, 259-63	15.9	104
33	A large-scale population-based study of the association of vitamin D receptor gene polymorphisms with bone mineral density. <i>Journal of Bone and Mineral Research</i> , 1996 , 11, 1241-8	6.3	157
32	Vitamin D receptor gene polymorphisms and osteoporosis. <i>Steroids</i> , 1996 , 61, 154-6	2.8	6
31	Inhibition of insulin- and insulin-like growth factor-I-stimulated growth of human breast cancer cells by 1,25-dihydroxyvitamin D3 and the vitamin D3 analogue EB1089. <i>European Journal of Cancer</i> , 1996 , 32A, 842-8	7.5	45
30	Evidence for coordinated regulation of osteoblast function by 1,25-dihydroxyvitamin D3 and parathyroid hormone. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1996 , 1312, 55-62	4.9	14
29	Conformational change and enhanced stabilization of the vitamin D receptor by the 1,25-dihydroxyvitamin D3 analog KH1060. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 10685-90	11.5	81
28	Case-control analysis of bone resorption markers, disability, and hip fracture risk: the Rotterdam study. <i>BMJ: British Medical Journal</i> , 1996 , 312, 482-3		151
27	Distinct conformations of vitamin D receptor/retinoid X receptor-alpha heterodimers are specified by dinucleotide differences in the vitamin D-responsive elements of the osteocalcin and osteopontin genes. <i>Molecular Endocrinology</i> , 1996 , 10, 1444-1456		48
26	Differential effects of 1,25-dihydroxyvitamin D3-analogs on osteoblast-like cells and on in vitro bone resorption. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1995 , 55, 337-46	5.1	38
25	Vitamin D analogues: from molecule to clinical application. <i>Clinical Endocrinology</i> , 1994 , 40, 285-92	3.4	29
24	Combined effects of 1,25-dihydroxyvitamin D3 and tamoxifen on the growth of MCF-7 and ZR-75-1 human breast cancer cells. <i>Breast Cancer Research and Treatment</i> , 1994 , 29, 161-8	4.4	19
23	Role of extracellular calcium in the regulation of 1,25-dihydroxyvitamin D3 formation in cultured human keratinocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1994 , 1221, 167-70	4.9	5
22	Transforming growth factor beta-induced dissociation between vitamin D receptor level and 1,25-dihydroxyvitamin D3 action in osteoblast-like cells. <i>Bone and Mineral</i> , 1994 , 26, 27-42		19

21	Parathyroid hormone sensitizes long bones to the stimulation of bone resorption by 1,25-dihydroxyvitamin D3. <i>Journal of Bone and Mineral Research</i> , 1992 , 7, 303-9	6.3	10
20	Role of protein kinase C (PKC) in bone resorption: effect of the specific PKC inhibitor 1-alkyl-2-methylglycerol. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 184, 1317-23	3.4	16
19	Regulation of 1,25-dihydroxyvitamin D3 receptor gene expression by parathyroid hormone and cAMP-agonists. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 185, 881-6	3.4	31
18	Bidirectional regulation of the 1,25-dihydroxyvitamin D3 receptor by phorbol ester-activated protein kinase-C in osteoblast-like cells: interaction with adenosine 3'S5Smonophosphate-induced up-regulation of the 1,25-dihydroxyvitamin D3 receptor. <i>Endocrinology</i> , 1992 , 130, 2259-2266	4.8	22
17	Modulation of responsiveness to cAMP stimulating agonists by phorbol ester in fetal rat osteoblasts. <i>Journal of Cellular Physiology</i> , 1991 , 147, 87-92	7	9
16	Modulation by epidermal growth factor of the basal 1,25(OH)2D3 receptor level and the heterologous up-regulation of the 1,25(OH)2D3 receptor in clonal osteoblast-like cells. <i>Calcified Tissue International</i> , 1991 , 49, 35-42	3.9	21
15	The effects of MC903 on 1,25-(OH)2D3 receptor binding, 24-hydroxylase activity and in vitro bone resorption. <i>Bone and Mineral</i> , 1991 , 14, 103-11		11
14	Role of calcium and cAMP in heterologous up-regulation of the 1,25-dihydroxyvitamin D3 receptor in an osteoblast cell line. <i>Cell Calcium</i> , 1990 , 11, 281-9	4	16
13	Vitamin D: a modulator of cell proliferation and differentiation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1990 , 37, 873-6	5.1	89
12	Functional involvement of calcium in the homologous up-regulation of the 1,25-dihydroxyvitamin D3 receptor in osteoblast-like cells. <i>FEBS Letters</i> , 1990 , 270, 165-7	3.8	19
11	Parathyroid hormone-induced ornithine decarboxylase activity in fetal rat osteoblasts. <i>Journal of Bone and Mineral Research</i> , 1989 , 4, 485-92	6.3	7
10	Modulatory function of protein kinase C in the activation of ornithine decarboxylase and in cAMP production in rat osteoblasts. <i>Journal of Cellular Physiology</i> , 1989 , 138, 548-54	7	16
9	Involvement of cAMP and calcium in the induction of ornithine decarboxylase activity in an osteoblast cell line. <i>Journal of Cellular Physiology</i> , 1988 , 135, 488-94	7	13
8	Induction of ornithine decarboxylase activity in isolated chicken osteoblasts by parathyroid hormone: the role of cAMP and calcium. <i>Calcified Tissue International</i> , 1988 , 43, 7-18	3.9	15
7	Independent and interrelated regulation of ornithine decarboxylase by calcium and cAMP in fetal rat osteoblasts. <i>Cell Calcium</i> , 1988 , 9, 181-91	4	9
6	Heterologous up-regulation of the 1,25-dihydroxyvitamin D3 receptor by parathyroid hormone (PTH) and PTH-like peptide in osteoblast-like cells. <i>Biochemical and Biophysical Research Communications</i> , 1988 , 156, 588-94	3.4	42
5	Different roles for calcium and cyclic AMP in the action of PTH: studies in bone explants and isolated bone cells. <i>Bone</i> , 1988 , 9, 93-100	4.7	47
4	A two-receptor model for the action of parathyroid hormone on osteoblasts: a role for intracellular free calcium and cAMP. <i>Cell Calcium</i> , 1985 , 6, 311-26	4	164

- | | | | |
|---|---|-----|----|
| 3 | Ultrastructure of gap junctions in the central nervous system of <i>Lymnaea stagnalis</i> with particular reference to electrotonic coupling between the neuroendocrine caudodorsal cells. <i>Neuroscience</i> , 1985 , 14, 711-21 | 3.9 | 17 |
| 2 | Cardioactive peptides of the CNS of the pulmonate snail <i>Lymnaea stagnalis</i> . <i>Experientia</i> , 1981 , 37, 1168-1170 | | 37 |
| 1 | Antagonistic effects of transforming growth factor-beta on vitamin D3 enhancement of osteocalcin and osteopontin transcription: reduced interactions of vitamin D receptor/retinoid X receptor complexes with vitamin E response elements | | 18 |