

Johannes P T M Van Leeuwen

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#	Paper	IF	Citations
236	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
235	Genetics and biology of vitamin D receptor polymorphisms. <i>Gene</i> , 2004 , 338, 143-56	3.8	1047
234	Homocysteine levels and the risk of osteoporotic fracture. <i>New England Journal of Medicine</i> , 2004 , 350, 2033-41	59.2	593
233	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
232	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
231	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
230	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
229	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
228	EVpedia: a community web portal for extracellular vesicles research. <i>Bioinformatics</i> , 2015 , 31, 933-9	7.2	256
227	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
226	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
225	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
224	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
223	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
222	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
221	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
220	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

219	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
218	Coordinated control of renal Ca ²⁺ transport proteins by parathyroid hormone. <i>Kidney International</i> , 2005 , 68, 1708-21	9.9	162
217	MicroRNA functions in osteogenesis and dysfunctions in osteoporosis. <i>Current Osteoporosis Reports</i> , 2013 , 11, 72-82	5.4	159
216	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
215	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
214	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
213	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
212	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
211	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
210	The epithelial Ca ²⁺ 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
209	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
208	The activin A-follistatin system: potent regulator of human extracellular matrix mineralization. <i>FASEB Journal</i> , 2007 , 21, 2949-60	0.9	139
207	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
206	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
205	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
204	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
203	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
202	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

201	Evidence that both 1 α ,25-dihydroxyvitamin D ₃ and 24-hydroxylated D ₃ enhance human osteoblast differentiation and mineralization. <i>Journal of Cellular Biochemistry</i> , 2006 , 99, 922-35	4.7	119
200	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
199	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
198	Identification of acid-sensing ion channels in bone. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 337, 349-54	3.4	115
197	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
196	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
195	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
194	Mechanical control of human osteoblast apoptosis and proliferation in relation to differentiation. <i>Calcified Tissue International</i> , 2003 , 72, 505-12	3.9	111
193	Osteoblast differentiation and control by vitamin D and vitamin D metabolites. <i>Current Pharmaceutical Design</i> , 2004 , 10, 2535-55	3.3	110
192	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
191	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
190	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
189	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
188	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
187	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
186	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
185	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
184	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

183	Klotho prevents renal calcium loss. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 2371-9	12.7	93
182	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
181	Vitamin D binding protein genotype and osteoporosis. <i>Calcified Tissue International</i> , 2009 , 85, 85-93	3.9	89
180	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
179	Interaction between the vitamin D receptor gene and collagen type I alpha1 gene in susceptibility for fracture. <i>Journal of Bone and Mineral Research</i> , 2001 , 16, 379-85	6.3	87
178	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
177	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
176	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
175	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
174	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
173	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
172	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
171	Hypervitaminosis D mediates compensatory Ca ²⁺ hyperabsorption in TRPV5 knockout mice. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 3188-95	12.7	74
170	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
169	Vitamin D and gene networks in human osteoblasts. <i>Frontiers in Physiology</i> , 2014 , 5, 137	4.6	68
168	Iodothyronine deiodinase enzyme activities in bone. <i>Bone</i> , 2008 , 43, 126-134	4.7	67
167	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
166	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, 446-56	4.7	66

165	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
164	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
163	The importance of oestrogens in males. <i>Clinical Endocrinology</i> , 2003 , 58, 529-42	3.4	64
162	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
161	Anti-tumor effects of 1,25-dihydroxyvitamin D3 and vitamin D analogs. <i>Current Pharmaceutical Design</i> , 2000 , 6, 717-32	3.3	63
160	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
159	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
158	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
157	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
156	TNF blockade requires 1,25(OH)2D3 to control human Th17-mediated synovial inflammation. <i>Annals of the Rheumatic Diseases</i> , 2012 , 71, 606-12	2.4	59
155	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
154	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
153	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
152	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
151	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
150	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
149	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
148	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

147	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
146	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
145	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
144	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
143	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
142	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
141	Vitamin D endocrine system and osteoblasts. <i>BoneKEy Reports</i> , 2014 , 3, 493		46
140	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
139	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
138	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
137	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
136	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
135	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
134	Vitamin D endocrinology of bone mineralization. <i>Molecular and Cellular Endocrinology</i> , 2017 , 453, 46-51	4.4	41
133	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
132	24,25-Dihydroxyvitamin D(3) and bone metabolism. <i>Steroids</i> , 2001 , 66, 375-80	2.8	40
131	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
130	Ghrelin and bone. <i>BioFactors</i> , 2014 , 40, 41-8	6.1	38

129	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
128	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
127	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
126	Cardioactive peptides of the CNS of the pulmonate snail <i>Lymnaea stagnalis</i> . <i>Experientia</i> , 1981 , 37, 1168-1170		37
125	An age-dependent interaction with leptin unmasks ghrelin's bone-protective effects. <i>Endocrinology</i> , 2012 , 153, 3593-602	4.8	34
124	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
123	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
122	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
121	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
120	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
119	Development of osteoarthritic features in estrogen receptor knockout mice. <i>Osteoarthritis and Cartilage</i> , 2009 , 17, 1356-61	6.2	32
118	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
117	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
116	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
115	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
114	Cancer and bone: a complex complex. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 561, 159-66	4.1	30
113	A small molecule approach to engineering vascularized tissue. <i>Biomaterials</i> , 2013 , 34, 3053-63	15.6	30
112	1,25-dihydroxyvitamin D3 stimulates activin A production to fine-tune osteoblast-induced mineralization. <i>Journal of Cellular Physiology</i> , 2013 , 228, 2167-74	7	30

111	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
110	Vitamin D analogues: from molecule to clinical application. <i>Clinical Endocrinology</i> , 1994 , 40, 285-92	3.4	29
109	TRPV4 deficiency causes sexual dimorphism in bone metabolism and osteoporotic fracture risk. <i>Bone</i> , 2013 , 57, 443-54	4.7	28
108	Pro-osteogenic trophic effects by PKA activation in human mesenchymal stromal cells. <i>Biomaterials</i> , 2011 , 32, 6089-98	15.6	27
107	Design principles of nuclear receptor signaling: how complex networking improves signal transduction. <i>Molecular Systems Biology</i> , 2010 , 6, 446	12.2	26
106	Ghrelin and bone. <i>Vitamins and Hormones</i> , 2008 , 77, 239-58	2.5	25
105	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
104	Stretch-induced inhibition of Wnt/beta-catenin signaling in mineralizing osteoblasts. <i>Journal of Orthopaedic Research</i> , 2010 , 28, 390-6	3.8	24
103	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
102	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
101	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
100	Moderate cholecalciferol supplementation depresses intestinal calcium absorption in growing dogs. <i>Journal of Nutrition</i> , 2002 , 132, 2644-50	4.1	22
99	Bidirectional regulation of the 1,25-dihydroxyvitamin D3 receptor by phorbol ester-activated protein kinase-C in osteoblast-like cells: interaction with adenosine 3',5'-bisphosphate-induced up-regulation of the 1,25-dihydroxyvitamin D3 receptor. <i>Endocrinology</i> , 1992 , 130, 2259-2266	4.8	22
98	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
97	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
96	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
95	Modulation by epidermal growth factor of the basal 1,25(OH) $_2$ D $_3$ receptor level and the heterologous up-regulation of the 1,25(OH) $_2$ D $_3$ receptor in clonal osteoblast-like cells. <i>Calcified Tissue International</i> , 1991 , 49, 35-42	3.9	21
94	Extracellular vesicles: specialized bone messengers. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 561, 38-45	4.1	20

93	Consequences of vitamin D receptor regulation for the 1,25-dihydroxyvitamin D ₃ -induced 24-hydroxylase activity in osteoblast-like cells: initiation of the C24-oxidation pathway. <i>Bone</i> , 1997 , 20, 237-43	4.7	20
92	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
91	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
90	Estrogen receptor and the SERM concept. <i>Journal of Endocrinological Investigation</i> , 1999 , 22, 594-603	5.2	19
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