

Reinhold G Erben

List of Publications by Year in Descending Order

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

164
papers

7,261
citations

46
h-index

80
g-index

176
ext. papers

8,173
ext. citations

5.6
avg, IF

6.05
L-index

#	Paper	IF	Citations
164	Thioredoxin 1 is upregulated in the bone and bone marrow following experimental myocardial infarction: evidence for a remote organ response. <i>Histochemistry and Cell Biology</i> , 2021 , 155, 89-99	2.4	0
163	Aldosterone Is Positively Associated With Circulating FGF23 Levels in Chronic Kidney Disease Across Four Species, and May Drive FGF23 Secretion Directly. <i>Frontiers in Physiology</i> , 2021 , 12, 649921	4.6	4
162	Randomized Trial of Etelcalcetide for Cardiac Hypertrophy in Hemodialysis. <i>Circulation Research</i> , 2021 , 128, 1616-1625	15.7	9
161	The bone is the major source of high circulating intact fibroblast growth factor-23 in acute murine polymicrobial sepsis induced by cecum ligation puncture. <i>PLoS ONE</i> , 2021 , 16, e0251317	3.7	1
160	The Role of Natriuretic Peptides in the Regulation of Cardiac Tolerance to Ischemia/Reperfusion and Postinfarction Heart Remodeling. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2021 , 26, 131-148	2.6	6
159	FGF23 and Vitamin D Metabolism.. <i>JBMR Plus</i> , 2021 , 5, e10558	3.9	2
158	Effects of FGF23 in the distal nephron 2021 , 23-30		1
157	No Role of Osteocytic Osteolysis in the Development and Recovery of the Bone Phenotype Induced by Severe Secondary Hyperparathyroidism in Vitamin D Receptor Deficient Mice. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
156	Ablation of Vitamin D Signaling Compromises Cerebrovascular Adaptation to Carotid Artery Occlusion in Mice. <i>Cells</i> , 2020 , 9,	7.9	5
155	Enhancer and super-enhancer dynamics in repair after ischemic acute kidney injury. <i>Nature Communications</i> , 2020 , 11, 3383	17.4	17
154	Skeletal effects of plyometric exercise and metformin in ovariectomized rats. <i>Bone</i> , 2020 , 132, 115193	4.7	5
153	Bone histomorphometry in rodents 2020 , 1899-1922		1
152	Vitamin D and Cardiovascular Disease, with Emphasis on Hypertension, Atherosclerosis, and Heart Failure. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	42
151	A Laser Capture Microdissection Protocol That Yields High Quality RNA from Fresh-frozen Mouse Bones. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	1
150	Physiologie und Pathophysiologie von FGF23 und Klotho. <i>Der Nephrologe</i> , 2019 , 14, 302-304	0.1	1
149	Histomorphometry in Rodents. <i>Methods in Molecular Biology</i> , 2019 , 1914, 411-435	1.4	10
148	Biomechanical and Bone Material Properties of Schnurri-3 Null Mice. <i>JBMR Plus</i> , 2019 , 3, e10226	3.9	1

147	Intra-articularly injected mesenchymal stem cells promote cartilage regeneration, but do not permanently engraft in distant organs. <i>Scientific Reports</i> , 2019 , 9, 10153	4.9	35
146	Effect of etelcalcetide on cardiac hypertrophy in hemodialysis patients: a randomized controlled trial (ETECAR-HD). <i>Trials</i> , 2019 , 20, 601	2.8	4
145	Age-related sex differences in the expression of important disease-linked mitochondrial proteins in mice. <i>Biology of Sex Differences</i> , 2019 , 10, 56	9.3	2
144	Physiological Actions of Fibroblast Growth Factor-23. <i>Frontiers in Endocrinology</i> , 2018 , 9, 267	5.7	52
143	Augmented Fibroblast Growth Factor-23 Secretion in Bone Locally Contributes to Impaired Bone Mineralization in Chronic Kidney Disease in Mice. <i>Frontiers in Endocrinology</i> , 2018 , 9, 311	5.7	10
142	Selective inhibition of receptor activator of NF- κ B ligand (RANKL) in hematopoietic cells improves outcome after experimental myocardial infarction. <i>Journal of Molecular Medicine</i> , 2018 , 96, 559-573	5.5	2
141	Lack of vitamin D signalling per se does not aggravate cardiac functional impairment induced by myocardial infarction in mice. <i>PLoS ONE</i> , 2018 , 13, e0204803	3.7	2
140	Klotho effects on mineral homeostasis are fibroblast growth factor-23 dependent. <i>Current Opinion in Nephrology and Hypertension</i> , 2018 , 27, 229-235	3.5	14
139	UCP2 up-regulation within the course of autoimmune encephalomyelitis correlates with T-lymphocyte activation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 1002-1012	6.9	4
138	Klotho expression in long bones regulates FGF23 production during renal failure. <i>FASEB Journal</i> , 2017 , 31, 2050-2064	0.9	31
137	Acute Parathyroid Hormone Injection Increases C-Terminal but Not Intact Fibroblast Growth Factor 23 Levels. <i>Endocrinology</i> , 2017 , 158, 1130-1139	4.8	23
136	Klotho Lacks an FGF23-Independent Role in Mineral Homeostasis. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 2049-2061	6.3	24
135	Effects of Hypertrophy Exercise in Bone Turnover Markers and Structure in Growing Male Rats. <i>International Journal of Sports Medicine</i> , 2017 , 38, 418-425	3.6	
134	Application of Histopathology and Bone Histomorphometry for Understanding Test Article-Related Bone Changes and Assessing Potential Bone Liabilities. <i>Molecular and Integrative Toxicology</i> , 2017 , 253-278	9.5	3
133	Tracking mesenchymal stem cell contributions to regeneration in an immunocompetent cartilage regeneration model. <i>JCI Insight</i> , 2017 , 2,	9.9	19
132	Genetic Ablation of Fgf23 or Klotho Does not Modulate Experimental Heart Hypertrophy Induced by Pressure Overload. <i>Scientific Reports</i> , 2017 , 7, 11298	4.9	37
131	Local microRNA Modulation is a Suitable Way to Prevent In-Stent Restenosis and Coronary Allograft Arteriosclerosis. <i>Transplantation</i> , 2017 , 101, S28	1.8	
130	Estrogen Regulates Bone Turnover by Targeting RANKL Expression in Bone Lining Cells. <i>Scientific Reports</i> , 2017 , 7, 6460	4.9	91

129	Pleiotropic Actions of FGF23. <i>Toxicologic Pathology</i> , 2017 , 45, 904-910	2.1	29
128	FGF23-Klotho signaling axis in the kidney. <i>Bone</i> , 2017 , 100, 62-68	4.7	82
127	KidneyBone: Interaction. <i>Molecular and Integrative Toxicology</i> , 2017 , 335-362	0.5	
126	The PPAR α Agonist Fenofibrate Improves the Musculoskeletal Effects of Exercise in Ovariectomized Rats. <i>Endocrinology</i> , 2016 , 157, 3924-3934	4.8	5
125	Fgf23 and parathyroid hormone signaling interact in kidney and bone. <i>Molecular and Cellular Endocrinology</i> , 2016 , 436, 224-39	4.4	29
124	193 Lack of Fibroblast Growth Factor-23 (FGF23) Preserves Cardiac Function in a Murine Model of Acute Myocardial Infarction. <i>Heart</i> , 2016 , 102, A131.1-A131	5.1	1
123	Skeletal effects of a gastrin receptor antagonist in H+/K+ATPase beta subunit KO mice. <i>Journal of Endocrinology</i> , 2016 , 230, 251-62	4.7	8
122	The expression of UCP3 directly correlates to UCP1 abundance in brown adipose tissue. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016 , 1857, 72-78	4.6	38
121	Stanozolol Decreases Bone Turnover Markers, Increases Mineralization, and Alters Femoral Geometry in Male Rats. <i>Calcified Tissue International</i> , 2016 , 98, 609-18	3.9	1
120	Parathyroid hormone 1 receptor is essential to induce FGF23 production and maintain systemic mineral ion homeostasis. <i>FASEB Journal</i> , 2016 , 30, 428-40	0.9	51
119	Excessive Osteocytic Fgf23 Secretion Contributes to Pyrophosphate Accumulation and Mineralization Defect in Hyp Mice. <i>PLoS Biology</i> , 2016 , 14, e1002427	9.7	65
118	Update on FGF23 and Klotho signaling. <i>Molecular and Cellular Endocrinology</i> , 2016 , 432, 56-65	4.4	80
117	Transcript-activated collagen matrix as sustained mRNA delivery system for bone regeneration. <i>Journal of Controlled Release</i> , 2016 , 239, 137-48	11.7	45
116	FGF23 Regulates Bone Mineralization in a 1,25(OH) $_2$ D $_3$ and Klotho-Independent Manner. <i>Journal of Bone and Mineral Research</i> , 2016 , 31, 129-42	6.3	82
115	Osteoblast-specific overexpression of amphiregulin leads to transient increase in femoral cancellous bone mass in mice. <i>Bone</i> , 2015 , 81, 36-46	4.7	6
114	FGF23 neutralization improves bone quality and osseointegration of titanium implants in chronic kidney disease mice. <i>Scientific Reports</i> , 2015 , 5, 8304	4.9	29
113	Local MicroRNA Modulation Using a Novel Anti-miR-21-Eluting Stent Effectively Prevents Experimental In-Stent Restenosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 1945-53	9.4	87
112	α Integrins Mediate Attachment of Mesenchymal Stem Cells to Cartilage Lesions. <i>BioResearch Open Access</i> , 2015 , 4, 39-53	2.4	23

111	Experimental Myocardial Infarction Upregulates Circulating Fibroblast Growth Factor-23. <i>Journal of Bone and Mineral Research</i> , 2015 , 30, 1831-9	6.3	61
110	Amphiregulin lacks an essential role for the bone anabolic action of parathyroid hormone. <i>Molecular and Cellular Endocrinology</i> , 2015 , 417, 158-65	4.4	5
109	Hypothesis: Coupling between Resorption and Formation in Cancellous bone Remodeling is a Mechanically Controlled Event. <i>Frontiers in Endocrinology</i> , 2015 , 6, 82	5.7	12
108	FGF23 regulation of renal tubular solute transport. <i>Current Opinion in Nephrology and Hypertension</i> , 2015 , 24, 450-6	3.5	19
107	Impact of long-term exposure to the tyrosine kinase inhibitor imatinib on the skeleton of growing rats. <i>PLoS ONE</i> , 2015 , 10, e0131192	3.7	27
106	FGF23 regulates renal sodium handling and blood pressure. <i>EMBO Molecular Medicine</i> , 2014 , 6, 744-59	12	220
105	Vitamin D is a regulator of endothelial nitric oxide synthase and arterial stiffness in mice. <i>Molecular Endocrinology</i> , 2014 , 28, 53-64		150
104	White paper on how to go forward with cell-based advanced therapies in Europe. <i>Tissue Engineering - Part A</i> , 2014 , 20, 2549-54	3.9	22
103	Effects of the amount and source of dietary protein on bone status in rats. <i>Food and Function</i> , 2014 , 5, 716-23	6.1	3
102	Postnatal establishment of allelic G β silencing as a plausible explanation for delayed onset of parathyroid hormone resistance owing to heterozygous G β disruption. <i>Journal of Bone and Mineral Research</i> , 2014 , 29, 749-60	6.3	53
101	Increased osteopontin contributes to inhibition of bone mineralization in FGF23-deficient mice. <i>Journal of Bone and Mineral Research</i> , 2014 , 29, 693-704	6.3	67
100	The kidney is the principal organ mediating klotho effects. <i>Journal of the American Society of Nephrology: JASN</i> , 2014 , 25, 2169-75	12.7	189
99	FGF23 promotes renal calcium reabsorption through the TRPV5 channel. <i>EMBO Journal</i> , 2014 , 33, 229-463	6.3	132
98	Vitamin D endocrine system and osteocytes. <i>BoneKEy Reports</i> , 2014 , 3, 494		24
97	Differences in triglyceride and cholesterol metabolism and resistance to obesity in male and female vitamin D receptor knockout mice. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2013 , 97, 675-83	2.6	29
96	Human placental alkaline phosphatase as a tracking marker for bone marrow mesenchymal stem cells. <i>BioResearch Open Access</i> , 2013 , 2, 346-55	2.4	11
95	Roux-en-Y gastric bypass surgery but not vertical sleeve gastrectomy decreases bone mass in male rats. <i>Endocrinology</i> , 2013 , 154, 2015-24	4.8	55
94	NADPH oxidase 4 limits bone mass by promoting osteoclastogenesis. <i>Journal of Clinical Investigation</i> , 2013 , 123, 4731-8	15.9	108

93	Micro-osmotic pumps for continuous release of the tyrosine kinase inhibitor bosutinib in juvenile rats and its impact on bone growth. <i>Medical Science Monitor Basic Research</i> , 2013 , 19, 274-8	3.2	7
92	Estradiol release kinetics determine tissue response in ovariectomized rats. <i>Endocrinology</i> , 2012 , 153, 1725-33	4.8	10
91	Gender- and dose-related effects of cyclosporin A on hepatic and bone metabolism. <i>Bone</i> , 2012 , 50, 140-8	4.7	8
90	Normal epidermal growth factor receptor signaling is dispensable for bone anabolic effects of parathyroid hormone. <i>Bone</i> , 2012 , 50, 237-44	4.7	11
89	FGF23 acts directly on renal proximal tubules to induce phosphaturia through activation of the ERK1/2-SGK1 signaling pathway. <i>Bone</i> , 2012 , 51, 621-8	4.7	14
88	Regulation of bone mass and osteoclast function depend on the F-actin modulator SWAP-70. <i>Journal of Bone and Mineral Research</i> , 2012 , 27, 2085-96	6.3	27
87	Human internal mammary artery (IMA) transplantation and stenting: a human model to study the development of in-stent restenosis. <i>Journal of Visualized Experiments</i> , 2012 , e3663	1.6	4
86	Long-term parenteral administration of 2-hydroxypropyl- β -cyclodextrin causes bone loss. <i>Toxicologic Pathology</i> , 2012 , 40, 742-50	2.1	11
85	Deletion of PTH rescues skeletal abnormalities and high osteopontin levels in <i>Klotho</i> ^{-/-} mice. <i>PLoS Genetics</i> , 2012 , 8, e1002726	6	37
84	Long-term <i>Fgf23</i> deficiency does not influence aging, glucose homeostasis, or fat metabolism in mice with a nonfunctioning vitamin D receptor. <i>Endocrinology</i> , 2012 , 153, 1795-805	4.8	40
83	Interaction between exercise, dietary restriction and age-related bone loss in a rodent model of male senile osteoporosis. <i>Gerontology</i> , 2012 , 58, 139-49	5.5	8
82	<i>Klotho</i> lacks a vitamin D independent physiological role in glucose homeostasis, bone turnover, and steady-state PTH secretion in vivo. <i>PLoS ONE</i> , 2012 , 7, e31376	3.7	40
81	Histomorphometry in rodents. <i>Methods in Molecular Biology</i> , 2012 , 816, 279-303	1.4	31
80	Skeletal Effects of the Tyrosine Kinase Inhibitors Imatinib, Dasatinib, and Bosutinib in Young Rats. <i>Blood</i> , 2012 , 120, 4429-4429	2.2	
79	Hematopoietic bone marrow cells participate in endothelial, but not epithelial or mesenchymal cell renewal in adult rats. <i>Journal of Cellular and Molecular Medicine</i> , 2011 , 15, 2232-44	5.6	10
78	In-vivo generation of bone via endochondral ossification by in-vitro chondrogenic priming of adult human and rat mesenchymal stem cells. <i>BMC Musculoskeletal Disorders</i> , 2011 , 12, 31	2.8	161
77	FGF-23/ <i>Klotho</i> signaling is not essential for the phosphaturic and anabolic functions of PTH. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 2026-35	6.3	44
76	Transgenic overexpression of the extra-large <i>Gs</i> ^{variant XL} enhances <i>Gs</i> ^{XL} -mediated responses in the mouse renal proximal tubule in vivo. <i>Endocrinology</i> , 2011 , 152, 1222-33	4.8	25

75	Circulating fibroblast growth factor-23 is associated with fat mass and dyslipidemia in two independent cohorts of elderly individuals. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 219-27	9.4	126
74	PTH ablation ameliorates the anomalies of Fgf23-deficient mice by suppressing the elevated vitamin D and calcium levels. <i>Endocrinology</i> , 2011 , 152, 4053-61	4.8	22
73	Sustained inhibition of epsilon protein kinase C inhibits vascular restenosis after balloon injury and stenting. <i>Circulation</i> , 2010 , 122, S170-8	16.7	20
72	Potential of resveratrol analogues as antagonists of osteoclasts and promoters of osteoblasts. <i>Calcified Tissue International</i> , 2010 , 87, 437-49	3.9	24
71	A non-functioning vitamin D receptor predisposes to leukaemoid reactions in mice. <i>Hematological Oncology</i> , 2010 , 28, 185-91	1.3	8
70	Mice lacking the orphan receptor <i>ror1</i> have distinct skeletal abnormalities and are growth retarded. <i>Developmental Dynamics</i> , 2010 , 239, 2266-77	2.9	29
69	Long-term marginal zinc supply is not detrimental to the skeleton of aged female rats. <i>Journal of Nutrition</i> , 2009 , 139, 703-9	4.1	8
68	Cartilage repair: past and future--lessons for regenerative medicine. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 792-810	5.6	116
67	Prevention of glucocorticoid-induced bone loss in mice by inhibition of RANKL. <i>Arthritis and Rheumatism</i> , 2009 , 60, 1427-37		104
66	Estrogen-dependent and C-C chemokine receptor-2-dependent pathways determine osteoclast behavior in osteoporosis. <i>Nature Medicine</i> , 2009 , 15, 417-24	50.5	140
65	Vitamin D-independent therapeutic effects of extracellular calcium in a mouse model of adult-onset secondary hyperparathyroidism. <i>Journal of Bone and Mineral Research</i> , 2009 , 24, 22-32	6.3	8
64	High cortical bone mass phenotype in betacellulin transgenic mice is EGFR dependent. <i>Journal of Bone and Mineral Research</i> , 2009 , 24, 455-67	6.3	30
63	High prevalence of vitamin D insufficiency during late winter and spring in healthy young women in Germany. <i>Journal of Endocrinological Investigation</i> , 2009 , 32, 291-2	5.2	1
62	Orchiectomy upregulates free soluble RANKL in bone marrow of aged rats. <i>Bone</i> , 2009 , 45, 677-81	4.7	35
61	The EGFR network in bone biology and pathology. <i>Trends in Endocrinology and Metabolism</i> , 2009 , 20, 517-24	8.8	66
60	Inhibition of receptor activator of NF-kappaB ligand by denosumab attenuates vascular calcium deposition in mice. <i>American Journal of Pathology</i> , 2009 , 175, 473-8	5.8	121
59	Role of endogenous bone marrow cells in long-term repair mechanisms after myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2008 , 12, 2867-74	5.6	19
58	Introducing the first polymer-free leflunomide eluting stent. <i>Atherosclerosis</i> , 2008 , 200, 126-34	3.1	21

57	Genetic evidence of serum phosphate-independent functions of FGF-23 on bone. <i>PLoS Genetics</i> , 2008 , 4, e1000154	6	140
56	Histological assessment of cellular half-life in tissues in vivo. <i>Histochemistry and Cell Biology</i> , 2008 , 130, 1041-6	2.4	15
55	Amelioration of the premature ageing-like features of Fgf-23 knockout mice by genetically restoring the systemic actions of FGF-23. <i>Journal of Pathology</i> , 2008 , 216, 345-55	9.4	46
54	Cortical bone loss in androgen-deficient aged male rats is mainly caused by increased endocortical bone remodeling. <i>Journal of Bone and Mineral Research</i> , 2008 , 23, 694-704	6.3	45
53	Marker tolerant, immunocompetent animals as a new tool for regenerative medicine and long-term cell tracking. <i>BMC Biotechnology</i> , 2007 , 7, 30	3.5	10
52	Utility of human placental alkaline phosphatase as a genetic marker for cell tracking in bone and cartilage. <i>Histochemistry and Cell Biology</i> , 2007 , 127, 669-74	2.4	16
51	Postnatally elevated levels of insulin-like growth factor (IGF)-II fail to rescue the dwarfism of IGF-I-deficient mice except kidney weight. <i>Endocrinology</i> , 2007 , 148, 441-51	4.8	31
50	Detrimental effect of oral contraceptives on parameters of bone mass and geometry in a cohort of 248 young women. <i>Bone</i> , 2007 , 40, 444-50	4.7	58
49	Ablation of vitamin D signaling rescues bone, mineral, and glucose homeostasis in Fgf-23 deficient mice. <i>Matrix Biology</i> , 2007 , 26, 75-84	11.4	151
48	Genetic ablation of vitamin D activation pathway reverses biochemical and skeletal anomalies in Fgf-23-null animals. <i>American Journal of Pathology</i> , 2006 , 169, 2161-70	5.8	128
47	Comparison of the skeletal effects of the progestogens desogestrel and levonorgestrel in oral contraceptive preparations in young women: controlled, open, partly randomized investigation over 13 cycles. <i>Contraception</i> , 2006 , 74, 367-75	2.5	24
46	EBF2 regulates osteoblast-dependent differentiation of osteoclasts. <i>Developmental Cell</i> , 2005 , 9, 757-67	10.2	95
45	Overexpression of human PHEX under the human beta-actin promoter does not fully rescue the Hyp mouse phenotype. <i>Journal of Bone and Mineral Research</i> , 2005 , 20, 1149-60	6.3	55
44	Effect of orthotopic small bowel transplantation on mineral metabolism in an experimental model. <i>British Journal of Surgery</i> , 2005 , 92, 764-71	5.3	
43	Role of the androgen receptor in skeletal homeostasis: the androgen-resistant testicular feminized male mouse model. <i>Journal of Bone and Mineral Research</i> , 2004 , 19, 1462-70	6.3	52
42	Long-term sensitivity of uterus and hypothalamus/pituitary axis to 17beta-estradiol is higher than that of bone in rats. <i>Journal of Bone and Mineral Research</i> , 2004 , 19, 1827-32	6.3	10
41	Effect of surface finish on the osseointegration of laser-treated titanium alloy implants. <i>Biomaterials</i> , 2004 , 25, 4057-64	15.6	175
40	Influence of pores created by laser superfinishing on osseointegration of titanium alloy implants. <i>Journal of Biomedical Materials Research - Part A</i> , 2004 , 69, 444-53	5.4	21

39	1 Alpha-hydroxyvitamin D2 and 1 alpha-hydroxyvitamin D3 have anabolic effects on cortical bone, but induce intracortical remodeling at toxic doses in ovariectomized rats. <i>Bone</i> , 2004 , 35, 704-10	4.7	22
38	Age at first oral contraceptive use as a major determinant of vertebral bone mass in female endurance athletes. <i>Bone</i> , 2004 , 35, 836-41	4.7	39
37	Homozygous ablation of fibroblast growth factor-23 results in hyperphosphatemia and impaired skeletogenesis, and reverses hypophosphatemia in PheX-deficient mice. <i>Matrix Biology</i> , 2004 , 23, 421-32 ^{11.4}		429
36	Skeletal effects of cyclosporin A are gender related in rats. <i>Endocrinology</i> , 2003 , 144, 40-9	4.8	22
35	Bone-Labeling Techniques 2003 , 99-117		3
34	Impaired insulin secretory capacity in mice lacking a functional vitamin D receptor. <i>FASEB Journal</i> , 2003 , 17, 509-11	0.9	284
33	Regional bone loss after orthotopic liver transplantation in inbred rats: the role of hepatic denervation. <i>Calcified Tissue International</i> , 2002 , 71, 193-202	3.9	3
32	Effect of Zn deficiency and subsequent Zn repletion on bone mineral composition and markers of bone tissue metabolism in 65Zn-labelled, young-adult rats. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2002 , 86, 214-21	2.6	9
31	Prevention of bone loss in ovariectomized rats by combined treatment with risedronate and 1alpha,25-dihydroxyvitamin D3. <i>Journal of Bone and Mineral Research</i> , 2002 , 17, 1498-511	6.3	47
30	Deletion of deoxyribonucleic acid binding domain of the vitamin D receptor abrogates genomic and nongenomic functions of vitamin D. <i>Molecular Endocrinology</i> , 2002 , 16, 1524-37		239
29	1alpha-hydroxyvitamin D2 is less toxic but not bone selective relative to 1alpha-hydroxyvitamin D3 in ovariectomized rats. <i>Journal of Bone and Mineral Research</i> , 2001 , 16, 639-51	6.3	18
28	B lymphopoiesis is upregulated after orchietomy and is correlated with estradiol but not testosterone serum levels in aged male rats. <i>Hormone and Metabolic Research</i> , 2001 , 33, 491-8	3.1	17
27	Partial rescue of PTH/PTHrP receptor knockout mice by targeted expression of the Jansen transgene. <i>Endocrinology</i> , 2001 , 142, 5303-10	4.8	15
26	Testosterone prevents orchidectomy-induced bone loss in estrogen receptor-alpha knockout mice. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 285, 70-6	3.4	69
25	Gene structure and regulation of the murine epithelial calcium channels ECaC1 and 2. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 289, 1287-94	3.4	109
24	Vagus-sparing gastric fundectomy in the rat: development of osteopenia, relationship to urinary phosphate and net acid excretion, serum gastrin and vitamin D. <i>Research in Experimental Medicine</i> , 2000 , 200, 1-16		6
23	Effects of partial and total colectomy on mineral and acidBase homeostasis in the rat: magnesium deficiency, hyperphosphaturia and osteopathy, in the presence of high serum 1,25-dihydroxyvitamin D but normal parathyroid hormone. <i>Clinical Science</i> , 2000 , 98, 649-659	6.5	5
22	Androgen deficiency induces high turnover osteopenia in aged male rats: a sequential histomorphometric study. <i>Journal of Bone and Mineral Research</i> , 2000 , 15, 1085-98	6.3	118

21	Functional analysis of genes involved in skeletal development. <i>BioFactors</i> , 2000 , 11, 1	6.1	
20	Nephrocalcinosis and hyperlipidemia in rats fed a cholesterol- and fat-rich diet: association with hyperoxaluria, altered kidney and bone minerals, and renal tissue phospholipid-calcium interaction. <i>Urological Research</i> , 2000 , 28, 404-15		25
19	High insulin and low IGF-I plasma levels following pancreas transplantation in rats. Implications for bone and mineral metabolism. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2000 , 60, 175-87	2	4
18	Skeletal effects of zinc deficiency in growing rats. <i>Journal of Trace Elements in Medicine and Biology</i> , 1999 , 13, 21-6	4.1	83
17	Onset and dynamics of osteosclerosis in mice induced by Reilly-Finkel-Biskis (RFB) murine leukemia virus. Increase in bone mass precedes lymphomagenesis. <i>American Journal of Pathology</i> , 1999 , 155, 557-70	5.8	14
16	Skeletal effects of low-dose cyclosporin A in aged male rats: lack of relationship to serum testosterone levels. <i>Journal of Bone and Mineral Research</i> , 1998 , 13, 79-87	6.3	23
15	Gastric fundectomy in the rat: effects on mineral and bone metabolism, with emphasis on the gastrin-calcitonin-parathyroid hormone-vitamin D axis. <i>Calcified Tissue International</i> , 1998 , 63, 433-41	3.9	37
14	Short-term prophylaxis against estrogen depletion-induced bone loss with calcitriol does not provide long-term beneficial effects on cancellous bone mass or structure in ovariectomized rats. <i>Osteoporosis International</i> , 1998 , 8, 82-91	5.3	10
13	Ovariectomy does not alter CD4+/CD8+ ratio in peripheral blood T-lymphocytes in the rat. <i>Hormone and Metabolic Research</i> , 1998 , 30, 50-4	3.1	16
12	Therapeutic efficacy of 1alpha,25-dihydroxyvitamin D3 and calcium in osteopenic ovariectomized rats: evidence for a direct anabolic effect of 1alpha,25-dihydroxyvitamin D3 on bone. <i>Endocrinology</i> , 1998 , 139, 4319-28	4.8	54
11	Ovariectomy augments B lymphopoiesis and generation of monocyte-macrophage precursors in rat bone marrow. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998 , 274, E476-83	6	25
10	Short-term treatment of rats with high dose 1,25-dihydroxyvitamin D3 stimulates bone formation and increases the number of osteoblast precursor cells in bone marrow. <i>Endocrinology</i> , 1997 , 138, 4629-35	4.8	74
9	Embedding of bone samples in methylmethacrylate: an improved method suitable for bone histomorphometry, histochemistry, and immunohistochemistry. <i>Journal of Histochemistry and Cytochemistry</i> , 1997 , 45, 307-13	3.4	254
8	Osteopenia following total gastrectomy in the rat--state of mineral metabolism and bone histomorphometry. <i>European Surgical Research</i> , 1997 , 29, 209-21	1.1	35
7	Prophylactic effects of 1,24,25-trihydroxyvitamin D3 on ovariectomy-induced cancellous bone loss in the rat. <i>Calcified Tissue International</i> , 1997 , 60, 434-40	3.9	17
6	1alpha-hydroxyvitamin D2 partially dissociates between preservation of cancellous bone mass and effects on calcium homeostasis in ovariectomized rats. <i>Calcified Tissue International</i> , 1997 , 60, 449-56	3.9	18
5	Trabecular and endocortical bone surfaces in the rat: modeling or remodeling?. <i>The Anatomical Record</i> , 1996 , 246, 39-46		153
4	Vitamin D metabolites prevent vertebral osteopenia in ovariectomized rats. <i>Calcified Tissue International</i> , 1992 , 50, 228-36	3.9	37

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| 3 | Osteopenia caused by ovariectomy in young female rats and prophylactic effects of 1,25-dihydroxyvitamin D3. <i>Transboundary and Emerging Diseases</i> , 1991 , 38, 54-60 | 10 |
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