

Reinhold G Erben

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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	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
163	Impaired insulin secretory capacity in mice lacking a functional vitamin D receptor. <i>FASEB Journal</i> , 2003 , 17, 509-11	0.9	284
162	Embedding of bone samples in methacrylate: an improved method suitable for bone histomorphometry, histochemistry, and immunohistochemistry. <i>Journal of Histochemistry and Cytochemistry</i> , 1997 , 45, 307-13	3.4	254
161	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
160	FGF23 regulates renal sodium handling and blood pressure. <i>EMBO Molecular Medicine</i> , 2014 , 6, 744-59	12	220
159	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
158	Effect of surface finish on the osseointegration of laser-treated titanium alloy implants. <i>Biomaterials</i> , 2004 , 25, 4057-64	15.6	175
157	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
156	Trabecular and endocortical bone surfaces in the rat: modeling or remodeling?. <i>The Anatomical Record</i> , 1996 , 246, 39-46		153
155	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
154	Vitamin D is a regulator of endothelial nitric oxide synthase and arterial stiffness in mice. <i>Molecular Endocrinology</i> , 2014 , 28, 53-64		150
153	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	140
152	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
151	Genetic evidence of serum phosphate-independent functions of FGF-23 on bone. <i>PLoS Genetics</i> , 2008 , 4, e1000154	6	140
150	FGF23 promotes renal calcium reabsorption through the TRPV5 channel. <i>EMBO Journal</i> , 2014 , 33, 229-46	3	132
149	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
148	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

147	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
146	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
145	Cartilage repair: past and future--lessons for regenerative medicine. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 792-810	5.6	116
144	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
143	NADPH oxidase 4 limits bone mass by promoting osteoclastogenesis. <i>Journal of Clinical Investigation</i> , 2013 , 123, 4731-8	15.9	108
142	Prevention of glucocorticoid-induced bone loss in mice by inhibition of RANKL. <i>Arthritis and Rheumatism</i> , 2009 , 60, 1427-37		104
141	EBF2 regulates osteoblast-dependent differentiation of osteoclasts. <i>Developmental Cell</i> , 2005 , 9, 757-67	10.2	95
140	Estrogen Regulates Bone Turnover by Targeting RANKL Expression in Bone Lining Cells. <i>Scientific Reports</i> , 2017 , 7, 6460	4.9	91
139	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
138	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
137	FGF23-Klotho signaling axis in the kidney. <i>Bone</i> , 2017 , 100, 62-68	4.7	82
136	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
135	Update on FGF23 and Klotho signaling. <i>Molecular and Cellular Endocrinology</i> , 2016 , 432, 56-65	4.4	80
134	Short-term treatment of rats with high dose 1,25-dihydroxyvitamin D ₃ stimulates bone formation and increases the number of osteoblast precursor cells in bone marrow. <i>Endocrinology</i> , 1997 , 138, 4629-35	4.8	74
133	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
132	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
131	The EGFR network in bone biology and pathology. <i>Trends in Endocrinology and Metabolism</i> , 2009 , 20, 517-24	8.8	66
130	Excessive Osteocytic Fgf23 Secretion Contributes to Pyrophosphate Accumulation and Mineralization Defect in Hyp Mice. <i>PLoS Biology</i> , 2016 , 14, e1002427	9.7	65

129	Experimental Myocardial Infarction Upregulates Circulating Fibroblast Growth Factor-23. <i>Journal of Bone and Mineral Research</i> , 2015 , 30, 1831-9	6.3	61
128	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
127	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
126	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
125	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
124	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
123	Physiological Actions of Fibroblast Growth Factor-23. <i>Frontiers in Endocrinology</i> , 2018 , 9, 267	5.7	52
122	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
121	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
120	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
119	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
118	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
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	FGF-23/Klotho 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
115	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
114	Long-term Fgf23 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
113	Klotho 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
112	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

111	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
110	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
109	Deletion of PTH rescues skeletal abnormalities and high osteopontin levels in Klotho ^{-/-} mice. <i>PLoS Genetics</i> , 2012 , 8, e1002726	6	37
108	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
107	Vitamin D metabolites prevent vertebral osteopenia in ovariectomized rats. <i>Calcified Tissue International</i> , 1992 , 50, 228-36	3.9	37
106	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
105	Orchiectomy upregulates free soluble RANKL in bone marrow of aged rats. <i>Bone</i> , 2009 , 45, 677-81	4.7	35
104	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
103	Klotho expression in long bones regulates FGF23 production during renal failure. <i>FASEB Journal</i> , 2017 , 31, 2050-2064	0.9	31
102	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
101	Histomorphometry in rodents. <i>Methods in Molecular Biology</i> , 2012 , 816, 279-303	1.4	31
100	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
99	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
98	Fgf23 and parathyroid hormone signaling interact in kidney and bone. <i>Molecular and Cellular Endocrinology</i> , 2016 , 436, 224-39	4.4	29
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	Pleiotropic Actions of FGF23. <i>Toxicologic Pathology</i> , 2017 , 45, 904-910	2.1	29
95	Mice lacking the orphan receptor ror1 have distinct skeletal abnormalities and are growth retarded. <i>Developmental Dynamics</i> , 2010 , 239, 2266-77	2.9	29
94	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

93	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
92	Transgenic overexpression of the extra-large Gs β variant XL β enhances Gs β mediated responses in the mouse renal proximal tubule in vivo. <i>Endocrinology</i> , 2011 , 152, 1222-33	4.8	25
91	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
90	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
89	Klotho Lacks an FGF23-Independent Role in Mineral Homeostasis. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 2049-2061	6.3	24
88	Vitamin D endocrine system and osteocytes. <i>BoneKey Reports</i> , 2014 , 3, 494		24
87	Potential of resveratrol analogues as antagonists of osteoclasts and promoters of osteoblasts. <i>Calcified Tissue International</i> , 2010 , 87, 437-49	3.9	24
86	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
85	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
84	β Integrins Mediate Attachment of Mesenchymal Stem Cells to Cartilage Lesions. <i>BioResearch Open Access</i> , 2015 , 4, 39-53	2.4	23
83	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
82	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
81	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
80	Skeletal effects of cyclosporin A are gender related in rats. <i>Endocrinology</i> , 2003 , 144, 40-9	4.8	22
79	1 Alpha-hydroxyvitamin D ₂ and 1 alpha-hydroxyvitamin D ₃ 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
78	Introducing the first polymer-free leflunomide eluting stent. <i>Atherosclerosis</i> , 2008 , 200, 126-34	3.1	21
77	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
76	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

75	Tracking mesenchymal stem cell contributions to regeneration in an immunocompetent cartilage regeneration model. <i>JCI Insight</i> , 2017 , 2,	9.9	19
74	FGF23 regulation of renal tubular solute transport. <i>Current Opinion in Nephrology and Hypertension</i> , 2015 , 24, 450-6	3.5	19
73	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
72	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
71	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
70	Enhancer and super-enhancer dynamics in repair after ischemic acute kidney injury. <i>Nature Communications</i> , 2020 , 11, 3383	17.4	17
69	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
68	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
67	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
66	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
65	Histological assessment of cellular half-life in tissues in vivo. <i>Histochemistry and Cell Biology</i> , 2008 , 130, 1041-6	2.4	15
64	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
63	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
62	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
61	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
60	Bone-Labeling Techniques99-118		12
59	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
58	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

57	Long-term parenteral administration of 2-hydroxypropyl- β -cyclodextrin causes bone loss. <i>Toxicologic Pathology</i> , 2012 , 40, 742-50	2.1	11
56	Histomorphometry in Rodents. <i>Methods in Molecular Biology</i> , 2019 , 1914, 411-435	1.4	10
55	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
54	Estradiol release kinetics determine tissue response in ovariectomized rats. <i>Endocrinology</i> , 2012 , 153, 1725-33	4.8	10
53	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
52	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
51	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
50	Long-term sensitivity of uterus and hypothalamus/pituitary axis to 17 β -estradiol is higher than that of bone in rats. <i>Journal of Bone and Mineral Research</i> , 2004 , 19, 1827-32	6.3	10
49	Osteopenia caused by ovariectomy in young female rats and prophylactic effects of 1,25-dihydroxyvitamin D ₃ . <i>Transboundary and Emerging Diseases</i> , 1991 , 38, 54-60		10
48	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
47	Randomized Trial of Etelcalcetide for Cardiac Hypertrophy in Hemodialysis. <i>Circulation Research</i> , 2021 , 128, 1616-1625	15.7	9
46	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
45	Gender- and dose-related effects of cyclosporin A on hepatic and bone metabolism. <i>Bone</i> , 2012 , 50, 140-8	4.7	8
44	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
43	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
42	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
41	A non-functioning vitamin D receptor predisposes to leukaemoid reactions in mice. <i>Hematological Oncology</i> , 2010 , 28, 185-91	1.3	8
40	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

39	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
38	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
37	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
36	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
35	Ablation of Vitamin D Signaling Compromises Cerebrovascular Adaptation to Carotid Artery Occlusion in Mice. <i>Cells</i> , 2020 , 9,	7.9	5
34	The PPAR α Agonist Fenofibrate Improves the Musculoskeletal Effects of Exercise in Ovariectomized Rats. <i>Endocrinology</i> , 2016 , 157, 3924-3934	4.8	5
33	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
32	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
31	Role of vitamin D metabolites in the prevention of the osteopenia induced by ovariectomy in the axial and appendicular skeleton of the rat. <i>European Journal of Nutrition</i> , 1990 , 29, 229-48		5
30	Skeletal effects of plyometric exercise and metformin in ovariectomized rats. <i>Bone</i> , 2020 , 132, 115193	4.7	5
29	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
28	Effect of etelcalcetide on cardiac hypertrophy in hemodialysis patients: a randomized controlled trial (ETECAR-HD). <i>Trials</i> , 2019 , 20, 601	2.8	4
27	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
26	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
25	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
24	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	0.5	3
23	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
22	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

21	Bone-Labeling Techniques 2003 , 99-117		3
20	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
19	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
18	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
17	FGF23 and Vitamin D Metabolism.. <i>JBMR Plus</i> , 2021 , 5, e10558	3.9	2
16	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
15	Physiologie und Pathophysiologie von FGF23 und Klotho. <i>Der Nephrologe</i> , 2019 , 14, 302-304	0.1	1
14	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
13	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
12	Biomechanical and Bone Material Properties of Schnurri-3 Null Mice. <i>JBMR Plus</i> , 2019 , 3, e10226	3.9	1
11	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
10	Bone histomorphometry in rodents 2020 , 1899-1922		1
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