Roland Baron

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/375368/publications.pdf

Version: 2024-02-01

85	6,002	147726	74108
papers	citations	31 h-index	75 g-index

89	89	89	9363
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Marrow aspiration in aged mice: intramedullary osteogenesis, reduced mechano-adaptation, increased marrow fat. Connective Tissue Research, 2022, 63, 97-111.	1.1	0
2	Sfrp4 and the Biology of Cortical Bone. Current Osteoporosis Reports, 2022, 20, 153-161.	1.5	3
3	Insulin-like growth factor binding protein 2 null mice (Igfbp2â^'/â^') are protected against trabecular bone loss after vertical sleeve gastrectomy. Surgical Endoscopy and Other Interventional Techniques, 2022, , .	1.3	0
4	Periosteal stem cells control growth plate stem cells during postnatal skeletal growth. Nature Communications, 2022, 13, .	5.8	23
5	Abaloparatide treatment increases bone formation, bone density and bone strength without increasing bone resorption in a rat model of hindlimb unloading. Bone, 2021, 144, 115801.	1.4	8
6	Characterization of unique functionalities in c-Src domains required for osteoclast podosome belt formation. Journal of Biological Chemistry, 2021, 296, 100790.	1.6	10
7	Inhibition of longevity regulator PAPPâ€A modulates tissue homeostasis via restraint of mesenchymal stromal cells. Aging Cell, 2021, 20, e13313.	3.0	6
8	The role of Zfp467 in mediating the pro-osteogenic and anti-adipogenic effects on bone and bone marrow niche. Bone, 2021, 144, 115832.	1.4	9
9	Synergistic roles of Wnt modulators R-spondin2 and R-spondin3 in craniofacial morphogenesis and dental development. Scientific Reports, 2021, 11, 5871.	1.6	6
10	RANKL regulates male reproductive function. Nature Communications, 2021, 12, 2450.	5.8	14
11	Early B-cell Factor1 (Ebf1) promotes early osteoblast differentiation but suppresses osteoblast function. Bone, 2021, 146, 115884.	1.4	4
12	Plectin stabilizes microtubules during osteoclastic bone resorption by acting as a scaffold for Src and Pyk2. Bone, 2020, 132, 115209.	1.4	12
13	Effects of abaloparatide and teriparatide on bone resorption and bone formation in female mice. Bone Reports, 2020, 13, 100291.	0.2	20
14	Perivascular osteoprogenitors are associated with transcortical channels of long bones. Stem Cells, 2020, 38, 769-781.	1.4	19
15	Both NPYâ€Expressing and CARTâ€Expressing Neurons Increase Energy Expenditure and Trabecular Bone Mass in Response to AP1 Antagonism, But Have Opposite Effects on Bone Resorption. Journal of Bone and Mineral Research, 2020, 35, 1107-1118.	3.1	2
16	Irisin directly stimulates osteoclastogenesis and bone resorption in vitro and in vivo. ELife, 2020, 9, .	2.8	68
17	Propranolol Promotes Bone Formation and Limits Resorption Through Novel Mechanisms During Anabolic Parathyroid Hormone Treatment in Female C57BL/6J Mice. Journal of Bone and Mineral Research, 2020, 37, 954-971.	3.1	5
18	Mesenchymal Cell-Derived Juxtacrine Wnt1 Signaling Regulates Osteoblast Activity and Osteoclast Differentiation. Journal of Bone and Mineral Research, 2019, 34, 1129-1142.	3.1	29

#	Article	IF	Citations
19	Zfp423 Regulates Skeletal Muscle Regeneration and Proliferation. Molecular and Cellular Biology, 2019, 39, .	1.1	12
20	Increased Cellular Presence After Sciatic Neurectomy Improves the Bone Mechano-adaptive Response in Aged Mice. Calcified Tissue International, 2019, 105, 316-330.	1.5	6
21	Sfrp4 repression of the Ror2/Jnk cascade in osteoclasts protects cortical bone from excessive endosteal resorption. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14138-14143.	3.3	32
22	Î”FosB Requires Galanin, but not Leptin, to Increase Bone Mass via the Hypothalamus, but both are needed to increase Energy expenditure. Journal of Bone and Mineral Research, 2019, 34, 1707-1720.	3.1	12
23	Abaloparatide improves cortical geometry and trabecular microarchitecture and increases vertebral and femoral neck strength in a rat model of male osteoporosis. Bone, 2019, 124, 148-157.	1.4	19
24	Bone adaptation compensates resorption when sciatic neurectomy is followed by low magnitude induced loading. Bone, 2019, 120, 487-494.	1.4	11
25	Abaloparatide, a novel osteoanabolic PTHrP analog, increases cortical and trabecular bone mass and architecture in orchiectomized rats by increasing bone formation without increasing bone resorption. Bone, 2019, 120, 148-155.	1.4	30
26	Cathepsin Kâ€“deficient osteocytes prevent lactation-induced bone loss and parathyroid hormone suppression. Journal of Clinical Investigation, 2019, 129, 3058-3071.	3.9	48
27	Irisin Mediates Effects on Bone via Î±V Integrin Receptors. FASEB Journal, 2019, 33, 15.2.	0.2	0
28	High fat diet attenuates hyperglycemia, body composition changes, and bone loss in male streptozotocinâ€induced type 1 diabetic mice. Journal of Cellular Physiology, 2018, 233, 1585-1600.	2.0	17
29	The Actin-Binding Protein PPP1r18 Regulates Maturation, Actin Organization, and Bone Resorption Activity of Osteoclasts. Molecular and Cellular Biology, 2018, 38, .	1.1	14
30	Kit W-sh Mutation Prevents Cancellous Bone Loss during Calcium Deprivation. Calcified Tissue International, 2018, 102, 93-104.	1.5	3
31	Irisin Mediates Effects on Bone and Fat via Î±V Integrin Receptors. Cell, 2018, 175, 1756-1768.e17.	13.5	372
32	Loss of GsÎ± in osteocytes leads to osteopenia due to sclerostin induced suppression of osteoblast activity. Bone, 2018, 117, 138-148.	1.4	14
33	Functional Characterization of a GGPPS Variant Identified in Atypical Femoral Fracture Patients and Delineation of the Role of GGPPS in Bone-Relevant Cell Types. Journal of Bone and Mineral Research, 2018, 33, 2091-2098.	3.1	21
34	PRMT5 inhibition promotes osteogenic differentiation of mesenchymal stromal cells and represses basal interferon stimulated gene expression. Bone, 2018, 117, 37-46.	1.4	23
35	Brain to bone: What is the contribution of the brain to skeletal homeostasis?. Bone, 2018, 115, 31-42.	1.4	32
36	Targeting WNT signaling in the treatment of osteoporosis. Current Opinion in Pharmacology, 2018, 40, 134-141.	1.7	76

#	Article	IF	Citations
37	Cortical Bone Loss in a Spontaneous Murine Model of Systemic Lupus Erythematosus. Calcified Tissue International, 2018, 103, 686-697.	1.5	7
38	Inhibition of microRNA-138 enhances bone formation in multiple myeloma bone marrow niche. Leukemia, 2018, 32, 1739-1750.	3.3	34
39	Neuronal hypothalamic regulation of body metabolism and bone density is galanin dependent. Journal of Clinical Investigation, 2018, 128, 2626-2641.	3.9	32
40	Parathyroid Hormone Directs Bone Marrow Mesenchymal Cell Fate. Cell Metabolism, 2017, 25, 661-672.	7.2	308
41	Inhibition of osteoclast differentiation and collagen antibody-induced arthritis by CTHRC1. Bone, 2017, 97, 153-167.	1.4	28
42	SMURF2 regulates bone homeostasis by disrupting SMAD3 interaction with vitamin D receptor in osteoblasts. Nature Communications, 2017, 8, 14570.	5.8	52
43	An update on osteoporosis pathogenesis, diagnosis, and treatment. Bone, 2017, 98, 37.	1.4	11
44	Klotho expression in long bones regulates FGF23 production during renal failure. FASEB Journal, 2017, 31, 2050-2064.	0.2	39
45	ZFP521 regulates murine hematopoietic stem cell function and facilitates MLL-AF9 leukemogenesis in mouse and human cells. Blood, 2017, 130, 619-624.	0.6	20
46	Klotho expression in osteocytes regulates bone metabolism and controls bone formation. Kidney International, 2017, 92, 599-611.	2.6	86
47	Spontaneous mutation of Dock7 results in lower trabecular bone mass and impaired periosteal expansion in aged female Misty mice. Bone, 2017, 105, 103-114.	1.4	15
48	A novel role for dopamine signaling in the pathogenesis of bone loss from the atypical antipsychotic drug risperidone in female mice. Bone, 2017, 103, 168-176.	1.4	38
49	Metformin Affects Cortical Bone Mass and Marrow Adiposity in Diet-Induced Obesity in Male Mice. Endocrinology, 2017, 158, 3369-3385.	1.4	54
50	Renal Fanconi Syndrome and Hypophosphatemic Rickets in the Absence of Xenotropic and Polytropic Retroviral Receptor in the Nephron. Journal of the American Society of Nephrology: JASN, 2017, 28, 1073-1078.	3.0	57
51	Hypothalamic Î”FosB prevents age-related metabolic decline and functions via SNS. Aging, 2017, 9, 353-369.	1.4	5
52	Bone Formation and the Wnt Signaling Pathway. New England Journal of Medicine, 2016, 375, 1902-1903.	13.9	19
53	SIKs control osteocyte responses to parathyroid hormone. Nature Communications, 2016, 7, 13176.	5.8	124
54	The Actin-Binding Protein Cofilin and Its Interaction With Cortactin Are Required for Podosome Patterning in Osteoclasts and Bone Resorption In Vivo and In Vitro. Journal of Bone and Mineral Research, 2016, 31, 1701-1712.	3.1	37

#	Article	IF	Citations
55	MEKK2 mediates an alternative Î²-catenin pathway that promotes bone formation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1226-35.	3.3	47
56	Sustained Modeling-Based Bone Formation During Adulthood in Cynomolgus Monkeys May Contribute to Continuous BMD Gains With Denosumab. Journal of Bone and Mineral Research, 2015, 30, 1280-1289.	3.1	94
57	The Crosstalk between Osteoclasts and Osteoblasts Is Dependent upon the Composition and Structure of Biphasic Calcium Phosphates. PLoS ONE, 2015, 10, e0132903.	1.1	40
58	CHMP5 controls bone turnover rates by dampening NF-ÎºB activity in osteoclasts. Journal of Experimental Medicine, 2015, 212, 1283-1301.	4.2	56
59	Specific bone cells produce DLL4 to generate thymus-seeding progenitors from bone marrow. Journal of Experimental Medicine, 2015, 212, 759-774.	4.2	122
60	A new WNT on the bone: WNT16, cortical bone thickness, porosity and fractures. BoneKEy Reports, 2015, 4, 669.	2.7	60
61	Loss of BMPR2 leads to high bone mass due to increased osteoblast activity. Journal of Cell Science, 2015, 128, 1308-1315.	1.2	50
62	TGIF Governs a Feed-Forward Network that Empowers Wnt Signaling to Drive Mammary Tumorigenesis. Cancer Cell, 2015, 27, 547-560.	7.7	54
63	Propranolol Attenuates Risperidone-Induced Trabecular Bone Loss in Female Mice. Endocrinology, 2015, 156, 2374-2383.	1.4	35
64	Igfbp2 Deletion in Ovariectomized Mice Enhances Energy Expenditure but Accelerates Bone Loss. Endocrinology, 2015, 156, 4129-4140.	1.4	24
65	Protein tyrosine phosphatases Îµ and Î± perform nonredundant roles in osteoclasts. Molecular Biology of the Cell, 2014, 25, 1808-1818.	0.9	15
66	Osteoblast-derived WNT16 represses osteoclastogenesis and prevents cortical bone fragility fractures. Nature Medicine, 2014, 20, 1279-1288.	15.2	303
67	Stk11 (Lkb1) deletion in the osteoblast lineage leads to high bone turnover, increased trabecular bone density and cortical porosity. Bone, 2014, 69, 98-108.	1.4	15
68	Dynamin and endocytosis are required for the fusion of osteoclasts and myoblasts. Journal of Cell Biology, 2014, 207, 73-89.	2.3	75
69	Engineered nanomedicine for myeloma and bone microenvironment targeting. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10287-10292.	3.3	234
70	Direct Transcriptional Repression of Zfp423 by Zfp521 Mediates a Bone Morphogenic Protein-Dependent Osteoblast versus Adipocyte Lineage Commitment Switch. Molecular and Cellular Biology, 2014, 34, 3076-3085.	1.1	78
71	Inhibiting stromal cell heparan sulfate synthesis improves stem cell mobilization and enables engraftment without cytotoxic conditioning. Blood, 2014, 124, 2937-2947.	0.6	39
72	WNT signaling in bone homeostasis and disease: from human mutations to treatments. Nature Medicine, 2013, 19, 179-192.	15.2	1,622

#	Article	IF	Citations
73	Essential Function of Dynamin in the Invasive Properties and Actin Architecture of v-Src Induced Podosomes/Invadosomes. PLoS ONE, 2013, 8, e77956.	1.1	24
74	Nanoparticle Design For Bone-Specific Chemotherapy and Microenvironmental Targeting In Multiple Myeloma. Blood, 2013, 122, 881-881.	0.6	1
75	Update on Bone Anabolics in Osteoporosis Treatment: Rationale, Current Status, and Perspectives. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 311-325.	1.8	285
76	Osteoporosis therapyâ€"dawn of the post-bisphosphonate era. Nature Reviews Endocrinology, 2012, 8, 76-78.	4.3	20
77	Bone Cells Crosstalk: Noncanonical Roring in the Wnt. Cell Metabolism, 2012, 15, 415-417.	7.2	6
78	Energy expenditure and bone formation share a common sensitivity to AP-1 transcription in the hypothalamus. Journal of Bone and Mineral Research, 2012, 27, 1649-1658.	3.1	21
79	Hematopoietic Stem/Progenitor Cell Retention in the Bone Marrow Depends On Tissue Specific Heparan Sulfate Proteoglycans. Blood, 2012, 120, 637-637.	0.6	1
80	The WTX Tumor Suppressor Regulates Mesenchymal Progenitor Cell Fate Specification. Developmental Cell, 2011, 20, 583-596.	3.1	44
81	Denosumab and bisphosphonates: Different mechanisms of action and effects. Bone, 2011, 48, 677-692.	1.4	556
82	Osteocytes Support Hematopoiesis by Altering the Bone Marrow Microenvironment Through GsÎ± Signaling. Blood, 2011, 118, 219-219.	0.6	4
83	Increased Energy Expenditure and Insulin Sensitivity in the High Bone Mass Î”FosB Transgenic Mice. Endocrinology, 2009, 150, 135-143.	1.4	20
84	Doubly Truncated FosB Isoform (Î”2Î”FosB) Induces Osteosclerosis in Transgenic Mice and Modulates Expression and Phosphorylation of Smads in Osteoblasts Independent of Intrinsic AP-1 Activity. Journal of Bone and Mineral Research, 2008, 23, 584-595.	3.1	29
85	Î”FosB Induces Osteosclerosis and Decreases Adipogenesis by Two Independent Cell-Autonomous Mechanisms. Molecular and Cellular Biology, 2004, 24, 2820-2830.	1.1	68