

Nathan J Pavlos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/958464/publications.pdf>

Version: 2024-02-01

77
papers

5,003
citations

109137

35
h-index

98622

67
g-index

82
all docs

82
docs citations

82
times ranked

8027
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term exposure of mice to 890 ppm atmospheric CO ₂ alters growth trajectories and elicits hyperactive behaviours in young adulthood. <i>Journal of Physiology</i> , 2022, 600, 1439-1453.	1.3	5
2	Functional Assessment of Calcium-Sensing Receptor Variants Confirms Familial Hypocalciuric Hypercalcemia. <i>Journal of the Endocrine Society</i> , 2022, 6, bvac025.	0.1	3
3	The molecular structure and function of sorting nexin 10 in skeletal disorders, cancers, and other pathological conditions. <i>Journal of Cellular Physiology</i> , 2021, 236, 4207-4215.	2.0	6
4	A missense mutation sheds light on a novel structure-function relationship of RANKL. <i>Journal of Cellular Physiology</i> , 2021, 236, 2800-2816.	2.0	15
5	Membrane Transport Proteins in Osteoclasts: The Ins and Outs. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 644986.	1.8	19
6	Osteoclasts recycle via osteomorphs during RANKL-stimulated bone resorption. <i>Cell</i> , 2021, 184, 1330-1347.e13.	13.5	203
7	The oncogene AAMDC links PI3K-AKT-mTOR signaling with metabolic reprogramming in estrogen receptor-positive breast cancer. <i>Nature Communications</i> , 2021, 12, 1920.	5.8	19
8	Osteal macrophages support osteoclast-mediated resorption and contribute to bone pathology in a postmenopausal osteoporosis mouse model. <i>Journal of Bone and Mineral Research</i> , 2021, 36, 2214-2228.	3.1	25
9	Osteoblast-derived EGFL6 couples angiogenesis to osteogenesis during bone repair. <i>Theranostics</i> , 2021, 11, 9738-9751.	4.6	20
10	The SQSTM1/p62 UBA domain regulates Ajuba localisation, degradation and NF- κ B signalling function. <i>PLoS ONE</i> , 2021, 16, e0259556.	1.1	4
11	Perspective of the GEMSTONE Consortium on Current and Future Approaches to Functional Validation for Skeletal Genetic Disease Using Cellular, Molecular and Animal-Modeling Techniques. <i>Frontiers in Endocrinology</i> , 2021, 12, 731217.	1.5	12
12	Rab GTPases: Emerging Oncogenes and Tumor Suppressive Regulators for the Editing of Survival Pathways in Cancer. <i>Cancers</i> , 2020, 12, 259.	1.7	43
13	Characterisation of genetic regulatory effects for osteoporosis risk variants in human osteoclasts. <i>Genome Biology</i> , 2020, 21, 80.	3.8	36
14	Steroid-induced osteonecrosis of the femoral head reveals enhanced reactive oxygen species and hyperactive osteoclasts. <i>International Journal of Biological Sciences</i> , 2020, 16, 1888-1900.	2.6	58
15	Brief exposure to full length parathyroid hormone-related protein (PTHrP) causes persistent generation of cyclic AMP through an endocytosis-dependent mechanism. <i>Biochemical Pharmacology</i> , 2019, 169, 113627.	2.0	9
16	Genetic regulatory mechanisms in human osteoclasts suggest a role for the STMP1 and DCSTAMP genes in Paget's disease of bone. <i>Scientific Reports</i> , 2019, 9, 1052.	1.6	23
17	Membrane trafficking in osteoclasts and implications for osteoporosis. <i>Biochemical Society Transactions</i> , 2019, 47, 639-650.	1.6	44
18	<i>Staphylococcus aureus</i> Infects Osteoclasts and Replicates Intracellularly. <i>MBio</i> , 2019, 10, .	1.8	64

#	ARTICLE	IF	CITATIONS
19	Expression Quantitative Trait Locus Study of Bone Mineral Density GWAS Variants in Human Osteoclasts. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1044-1051.	3.1	43
20	Rheumatoid arthritis: pathological mechanisms and modern pharmacologic therapies. <i>Bone Research</i> , 2018, 6, 15.	5.4	947
21	Cyanidin Chloride inhibits ovariectomy-induced osteoporosis by suppressing RANKL-mediated osteoclastogenesis and associated signaling pathways. <i>Journal of Cellular Physiology</i> , 2018, 233, 2502-2512.	2.0	48
22	Septins are critical regulators of osteoclastic bone resorption. <i>Scientific Reports</i> , 2018, 8, 13016.	1.6	15
23	Parathyroid Hormone-Related Protein Negatively Regulates Tumor Cell Dormancy Genes in a PTHR1/Cyclic AMP-Independent Manner. <i>Frontiers in Endocrinology</i> , 2018, 9, 241.	1.5	25
24	GPCR Signaling and Trafficking: The Long and Short of It. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 213-226.	3.1	154
25	Alexidine Dihydrochloride Attenuates Osteoclast Formation and Bone Resorption and Protects Against LPS-Induced Osteolysis. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 560-572.	3.1	31
26	Bafilomycin A1 Attenuates Osteoclast Acidification and Formation, Accompanied by Increased Levels of SQSTM1/p62 Protein. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 1464-1470.	1.2	9
27	Calmodulin interacts with Rab3D and modulates osteoclastic bone resorption. <i>Scientific Reports</i> , 2016, 6, 37963.	1.6	13
28	A molecular code for endosomal recycling of phosphorylated cargos by the SNX27-retromer complex. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 921-932.	3.6	131
29	Mutations of Vasopressin Receptor 2 Including Novel L312S Have Differential Effects on Trafficking. <i>Molecular Endocrinology</i> , 2016, 30, 889-904.	3.7	39
30	A bioceramic with enhanced osteogenic properties to regulate the function of osteoblastic and osteoclastic cells for bone tissue regeneration. <i>Biomedical Materials (Bristol)</i> , 2016, 11, 035018.	1.7	25
31	Sorting nexin 27 couples PTHR trafficking to retromer for signal regulation in osteoblasts during bone growth. <i>Molecular Biology of the Cell</i> , 2016, 27, 1367-1382.	0.9	48
32	Thonzonium bromide inhibits RANKL-induced osteoclast formation and bone resorption in vitro and prevents LPS-induced bone loss in vivo. <i>Biochemical Pharmacology</i> , 2016, 104, 118-130.	2.0	24
33	PLEKHM1/DEF8/RAB7 complex regulates lysosome positioning and bone homeostasis. <i>JCI Insight</i> , 2016, 1, e86330.	2.3	57
34	Glucocorticoid impairs cell-cell communication by autophagy-mediated degradation of connexin 43 in osteocytes. <i>Oncotarget</i> , 2016, 7, 26966-26978.	0.8	48
35	Circulating Lipocalin 2 Levels Predict Fracture-Related Hospitalizations in Elderly Women: A Prospective Cohort Study. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 2078-2085.	3.1	26
36	Natural Germacrene Sesquiterpenes Inhibit Osteoclast Formation, Bone Resorption, RANKL-Induced NF- κ B Activation, and β Casein Degradation. <i>International Journal of Molecular Sciences</i> , 2015, 16, 26599-26607.	1.8	13

#	ARTICLE	IF	CITATIONS
37	Disulfiram Attenuates Osteoclast Differentiation In Vitro: A Potential Antiresorptive Agent. PLoS ONE, 2015, 10, e0125696.	1.1	8
38	The GTPase Rab26 links synaptic vesicles to the autophagy pathway. ELife, 2015, 4, e05597.	2.8	138
39	Influence of age and gender on microarchitecture and bone remodeling in subchondral bone of the osteoarthritic femoral head. Bone, 2015, 77, 91-97.	1.4	31
40	Choline Kinase \hat{I}^2 Mutant Mice Exhibit Reduced Phosphocholine, Elevated Osteoclast Activity, and Low Bone Mass. Journal of Biological Chemistry, 2015, 290, 1729-1742.	1.6	24
41	A highly sensitive prenylation assay reveals <i>in vivo</i> effects of bisphosphonate drug on the Rab prenylome of macrophages outside the skeleton. Small GTPases, 2015, 6, 202-211.	0.7	33
42	Triptolide inhibits osteoclast formation, bone resorption, RANKL-mediated NF- \hat{O} B activation and titanium particle-induced osteolysis in a mouse model. Molecular and Cellular Endocrinology, 2015, 399, 346-353.	1.6	37
43	Identical subchondral bone microarchitecture pattern with increased bone resorption in rheumatoid arthritis as compared to osteoarthritis. Osteoarthritis and Cartilage, 2014, 22, 2083-2092.	0.6	26
44	Subchondral bone in osteoarthritis: insight into risk factors and microstructural changes. Arthritis Research and Therapy, 2013, 15, 223.	1.6	563
45	Disruption of the dynein-dynactin complex unveils motor-specific functions in osteoclast formation and bone resorption. Journal of Bone and Mineral Research, 2013, 28, 119-134.	3.1	29
46	SC-514, a selective inhibitor of IKK \hat{I}^2 attenuates RANKL-induced osteoclastogenesis and NF- \hat{I}^B activation. Biochemical Pharmacology, 2013, 86, 1775-1783.	2.0	42
47	Loss of Protein Kinase C- \hat{I} Protects against LPS-Induced Osteolysis Owing to an Intrinsic Defect in Osteoclastic Bone Resorption. PLoS ONE, 2013, 8, e70815.	1.1	23
48	Phosphorylation-regulated axonal dependent transport of syntaxin 1 is mediated by a Kinesin-1 adapter. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5862-5867.	3.3	44
49	V-ATPases in osteoclasts: Structure, function and potential inhibitors of bone resorption. International Journal of Biochemistry and Cell Biology, 2012, 44, 1422-1435.	1.2	125
50	Prevention of Wear Particle-Induced Osteolysis by a Novel V-ATPase Inhibitor Saliphenylhalamide through Inhibition of Osteoclast Bone Resorption. PLoS ONE, 2012, 7, e34132.	1.1	61
51	\hat{O} Fusion and Fission Unveils Remarkable Insights into Osteoclast Plasticity. Calcified Tissue International, 2012, 91, 157-158.	1.5	6
52	Paclitaxel inhibits osteoclast formation and bone resorption via influencing mitotic cell cycle arrest and RANKL-induced activation of NF- \hat{I}^B and ERK. Journal of Cellular Biochemistry, 2012, 113, 946-955.	1.2	20
53	Autologous Tenocyte Therapy for Experimental Achilles Tendinopathy in a Rabbit Model. Tissue Engineering - Part A, 2011, 17, 2037-2048.	1.6	103
54	<i>In vitro</i> Evaluation of Natural Marine Sponge Collagen as a Scaffold for Bone Tissue Engineering. International Journal of Biological Sciences, 2011, 7, 968-977.	2.6	103

#	ARTICLE	IF	CITATIONS
55	M-CSF Potently Augments RANKL-Induced Resorption Activation in Mature Human Osteoclasts. <i>PLoS ONE</i> , 2011, 6, e21462.	1.1	66
56	LIS1 Regulates Osteoclast Formation and Function through Its Interactions with Dynein/Dynactin and Plekha7. <i>PLoS ONE</i> , 2011, 6, e27285.	1.1	42
57	Distinct yet overlapping roles of Rab GTPases on synaptic vesicles. <i>Small GTPases</i> , 2011, 2, 77-81.	0.7	66
58	Tctex-1, a Novel Interaction Partner of Rab3D, Is Required for Osteoclastic Bone Resorption. <i>Molecular and Cellular Biology</i> , 2011, 31, 1551-1564.	1.1	30
59	EGFL6 Promotes Endothelial Cell Migration and Angiogenesis through the Activation of Extracellular Signal-regulated Kinase. <i>Journal of Biological Chemistry</i> , 2011, 286, 22035-22046.	1.6	95
60	Versatile Roles of V-ATPases Accessory Subunit Ac45 in Osteoclast Formation and Function. <i>PLoS ONE</i> , 2011, 6, e27155.	1.1	27
61	Quantitative Analysis of Synaptic Vesicle Rabs Uncovers Distinct Yet Overlapping Roles for Rab3a and Rab27b in Ca ²⁺ -Triggered Exocytosis. <i>Journal of Neuroscience</i> , 2010, 30, 13441-13453.	1.7	87
62	Quantitative Comparison of Glutamatergic and GABAergic Synaptic Vesicles Unveils Selectivity for Few Proteins Including MAL2, a Novel Synaptic Vesicle Protein. <i>Journal of Neuroscience</i> , 2010, 30, 2-12.	1.7	154
63	Myocyte Enhancer Factor 2 and Microphthalmia-associated Transcription Factor Cooperate with NFATc1 to Transactivate the V-ATPase d2 Promoter during RANKL-induced Osteoclastogenesis. <i>Journal of Biological Chemistry</i> , 2009, 284, 14667-14676.	1.6	87
64	Mutations within the TNF-Like Core Domain of RANKL Impair Osteoclast Differentiation and Activation. <i>Molecular Endocrinology</i> , 2009, 23, 35-46.	3.7	18
65	Proteasome inhibitors impair RANKL-induced NF- κ B activity in osteoclast-like cells via disruption of p62, TRAF6, CYLD, and I κ B α signaling cascades. <i>Journal of Cellular Physiology</i> , 2009, 220, 450-459.	2.0	61
66	Caffeic acid phenethyl ester, an active component of honeybee propolis attenuates osteoclastogenesis and bone resorption via the suppression of RANKL-induced NF- κ B and NFAT activity. <i>Journal of Cellular Physiology</i> , 2009, 221, 642-649.	2.0	65
67	Evidence that human cartilage and chondrocytes do not express calcitonin receptor. <i>Osteoarthritis and Cartilage</i> , 2008, 16, 450-457.	0.6	18
68	Cytoplasmic Terminus of Vacuolar Type Proton Pump Accessory Subunit Ac45 Is Required for Proper Interaction with VO Domain Subunits and Efficient Osteoclastic Bone Resorption. <i>Journal of Biological Chemistry</i> , 2008, 283, 13194-13204.	1.6	41
69	Collagen-Derived Biomaterials in Bone and Cartilage Repair. <i>Macromolecular Symposia</i> , 2007, 253, 179-185.	0.4	22
70	p62 Ubiquitin Binding-Associated Domain Mediated the Receptor Activator of Nuclear Factor- κ B Ligand-Induced Osteoclast Formation. <i>American Journal of Pathology</i> , 2006, 169, 503-514.	1.9	70
71	Fibrin sealant promotes migration and proliferation of human articular chondrocytes: Possible involvement of thrombin and protease-activated receptors. <i>International Journal of Molecular Medicine</i> , 2006, 17, 551.	1.8	22
72	Fibrin sealant promotes migration and proliferation of human articular chondrocytes: possible involvement of thrombin and protease-activated receptors. <i>International Journal of Molecular Medicine</i> , 2006, 17, 551-8.	1.8	64

#	ARTICLE	IF	CITATIONS
73	Evidence of reciprocal regulation between the high extracellular calcium and RANKL signal transduction pathways in RAW cell derived osteoclasts. <i>Journal of Cellular Physiology</i> , 2005, 202, 554-562.	2.0	21
74	Rab3D Regulates a Novel Vesicular Trafficking Pathway That Is Required for Osteoclastic Bone Resorption. <i>Molecular and Cellular Biology</i> , 2005, 25, 5253-5269.	1.1	86
75	Effects of Bafilomycin A1: An inhibitor of vacuolar H (+)-ATPases on endocytosis and apoptosis in RAW cells and RAW cell-derived osteoclasts. <i>Journal of Cellular Biochemistry</i> , 2003, 88, 1256-1264.	1.2	91
76	Molecular cloning of the mouse homologue of Rab3c. <i>Journal of Molecular Endocrinology</i> , 2001, 27, 117-122.	1.1	4
77	Gene expression of vascular endothelial growth factor in giant cell tumors of bone. <i>Human Pathology</i> , 2000, 31, 804-812.	1.1	43