

Raymond P Boot-Handford

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5347614/publications.pdf>

Version: 2024-02-01

60
papers

4,720
citations

94269

37
h-index

128067

60
g-index

60
all docs

60
docs citations

60
times ranked

6360
citing authors

#	ARTICLE	IF	CITATIONS
1	<sc>CRELD2</sc> Is a Novel <sc>LRP1</sc> Chaperone That Regulates Noncanonical <sc>WNT</sc> Signaling in Skeletal Development. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 1452-1469.	3.1	12
2	XBP1 signalling is essential for alleviating mutant protein aggregation in ER-stress related skeletal disease. <i>PLoS Genetics</i> , 2019, 15, e1008215.	1.5	16
3	Cartilage endoplasmic reticulum stress may influence the onset but not the progression of experimental osteoarthritis. <i>Arthritis Research and Therapy</i> , 2019, 21, 206.	1.6	14
4	Gene cloning to clinical trials—the trials and tribulations of a life with collagen. <i>International Journal of Experimental Pathology</i> , 2019, 100, 4-11.	0.6	3
5	Carbamazepine reduces disease severity in a mouse model of metaphyseal chondrodysplasia type Schmid caused by a premature stop codon (Y632X) in the <i>Col10a1</i> gene. <i>Human Molecular Genetics</i> , 2018, 27, 3840-3853.	1.4	20
6	The intervertebral disc contains intrinsic circadian clocks that are regulated by age and cytokines and linked to degeneration. <i>Annals of the Rheumatic Diseases</i> , 2017, 76, 576-584.	0.5	122
7	Activating the unfolded protein response in osteocytes causes hyperostosis consistent with craniodiaphyseal dysplasia. <i>Human Molecular Genetics</i> , 2017, 26, 4572-4587.	1.4	28
8	Increased intracellular proteolysis reduces disease severity in an ER stress-associated dwarfism. <i>Journal of Clinical Investigation</i> , 2017, 127, 3861-3865.	3.9	50
9	Visualizing and Quantifying Intracellular Behavior and Abundance of the Core Circadian Clock Protein PERIOD2. <i>Current Biology</i> , 2016, 26, 1880-1886.	1.8	47
10	Increased Classical Endoplasmic Reticulum Stress Is Sufficient to Reduce Chondrocyte Proliferation Rate in the Growth Plate and Decrease Bone Growth. <i>PLoS ONE</i> , 2015, 10, e0117016.	1.1	32
11	XBP1-Independent UPR Pathways Suppress C/EBP- β Mediated Chondrocyte Differentiation in ER-Stress Related Skeletal Disease. <i>PLoS Genetics</i> , 2015, 11, e1005505.	1.5	31
12	PhenomeExpress: A refined network analysis of expression datasets by inclusion of known disease phenotypes. <i>Scientific Reports</i> , 2015, 5, 8117.	1.6	25
13	Cartilage-specific ablation of XBP1 signaling in mouse results in a chondrodysplasia characterized by reduced chondrocyte proliferation and delayed cartilage maturation and mineralization. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 661-670.	0.6	38
14	Abnormal Chondrocyte Apoptosis in the Cartilage Growth Plate is Influenced by Genetic Background and Deletion of CHOP in a Targeted Mouse Model of Pseudoachondroplasia. <i>PLoS ONE</i> , 2014, 9, e85145.	1.1	27
15	Arhgap28 Is a RhoGAP that Inactivates RhoA and Downregulates Stress Fibers. <i>PLoS ONE</i> , 2014, 9, e107036.	1.1	20
16	A novel transgenic mouse model of growth plate dysplasia reveals that decreased chondrocyte proliferation due to chronic ER stress is a key factor in reduced bone growth. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 1414-25.	1.2	22
17	Analysis of the cartilage proteome from three different mouse models of genetic skeletal diseases reveals common and discrete disease signatures. <i>Biology Open</i> , 2013, 2, 802-811.	0.6	12
18	The Circadian Clock in Murine Chondrocytes Regulates Genes Controlling Key Aspects of Cartilage Homeostasis. <i>Arthritis and Rheumatism</i> , 2013, 65, 2334-2345.	6.7	117

#	ARTICLE	IF	CITATIONS
19	Armet/Manf and Creld2 are components of a specialized ER stress response provoked by inappropriate formation of disulphide bonds: implications for genetic skeletal diseases. <i>Human Molecular Genetics</i> , 2013, 22, 5262-5275.	1.4	62
20	Hypertrophic Chondrocytes Have a Limited Capacity to Cope with Increases in Endoplasmic Reticulum Stress without Triggering the Unfolded Protein Response. <i>Journal of Histochemistry and Cytochemistry</i> , 2012, 60, 734-748.	1.3	12
21	Loss of matrilin 1 does not exacerbate the skeletal phenotype in a mouse model of multiple epiphyseal dysplasia caused by a Matn3 V194D mutation. <i>Arthritis and Rheumatism</i> , 2012, 64, 1529-1539.	6.7	9
22	The expression and function of microRNAs in chondrogenesis and osteoarthritis. <i>Arthritis and Rheumatism</i> , 2012, 64, 1909-1919.	6.7	204
23	A novel form of chondrocyte stress is triggered by a COMP mutation causing pseudoachondroplasia. <i>Human Mutation</i> , 2012, 33, 218-231.	1.1	42
24	Transcriptional Profiling of Chondrodysplasia Growth Plate Cartilage Reveals Adaptive ER-Stress Networks That Allow Survival but Disrupt Hypertrophy. <i>PLoS ONE</i> , 2011, 6, e24600.	1.1	50
25	Collagen XXVII Organises the Pericellular Matrix in the Growth Plate. <i>PLoS ONE</i> , 2011, 6, e29422.	1.1	42
26	The unfolded protein response and its relevance to connective tissue diseases. <i>Cell and Tissue Research</i> , 2010, 339, 197-211.	1.5	124
27	An unfolded protein response is the initial cellular response to the expression of mutant matrilin-3 in a mouse model of multiple epiphyseal dysplasia. <i>Cell Stress and Chaperones</i> , 2010, 15, 835-849.	1.2	59
28	A mouse model offers novel insights into the myopathy and tendinopathy often associated with pseudoachondroplasia and multiple epiphyseal dysplasia. <i>Human Molecular Genetics</i> , 2010, 19, 52-64.	1.4	39
29	Superoxide dismutase downregulation in osteoarthritis progression and end-stage disease. <i>Annals of the Rheumatic Diseases</i> , 2010, 69, 1502-1510.	0.5	202
30	Targeted Induction of Endoplasmic Reticulum Stress Induces Cartilage Pathology. <i>PLoS Genetics</i> , 2009, 5, e1000691.	1.5	127
31	Back to basics – how the evolution of the extracellular matrix underpinned vertebrate evolution. <i>International Journal of Experimental Pathology</i> , 2009, 90, 95-100.	0.6	24
32	Genetic diseases of connective tissues: cellular and extracellular effects of ECM mutations. <i>Nature Reviews Genetics</i> , 2009, 10, 173-183.	7.7	276
33	<i>Col2a1</i> lineage tracing reveals that the meniscus of the knee joint has a complex cellular origin. <i>Journal of Anatomy</i> , 2008, 213, 531-538.	0.9	75
34	Setting Clock Speed in Mammals: The CK1 ϵ tau Mutation in Mice Accelerates Circadian Pacemakers by Selectively Destabilizing PERIOD Proteins. <i>Neuron</i> , 2008, 58, 78-88.	3.8	342
35	HtrA1 Inhibits Mineral Deposition by Osteoblasts. <i>Journal of Biological Chemistry</i> , 2008, 283, 5928-5938.	1.6	67
36	COL10A1 nonsense and frame-shift mutations have a gain-of-function effect on the growth plate in human and mouse metaphyseal chondrodysplasia type Schmid. <i>Human Molecular Genetics</i> , 2007, 16, 1201-1215.	1.4	60

#	ARTICLE	IF	CITATIONS
37	Collagens at a glance. <i>Journal of Cell Science</i> , 2007, 120, 1955-1958.	1.2	653
38	Targeted Deletion of the Mitogen-Activated Protein Kinase Kinase 4 Gene in the Nervous System Causes Severe Brain Developmental Defects and Premature Death. <i>Molecular and Cellular Biology</i> , 2007, 27, 7935-7946.	1.1	60
39	Reduced cell proliferation and increased apoptosis are significant pathological mechanisms in a murine model of mild pseudoachondroplasia resulting from a mutation in the C-terminal domain of COMP. <i>Human Molecular Genetics</i> , 2007, 16, 2072-2088.	1.4	84
40	Decreased chondrocyte proliferation and dysregulated apoptosis in the cartilage growth plate are key features of a murine model of epiphyseal dysplasia caused by a <i>matn3</i> mutation. <i>Human Molecular Genetics</i> , 2007, 16, 1728-1741.	1.4	67
41	The Collagens of Hydra Provide Insight into the Evolution of Metazoan Extracellular Matrices. <i>Journal of Biological Chemistry</i> , 2007, 282, 6792-6802.	1.6	44
42	Collagen XXVII Is Developmentally Regulated and Forms Thin Fibrillar Structures Distinct from Those of Classical Vertebrate Fibrillar Collagens. <i>Journal of Biological Chemistry</i> , 2007, 282, 12791-12795.	1.6	59
43	Lineage tracing using <i>matrilin-1</i> gene expression reveals that articular chondrocytes exist as the joint interzone forms. <i>Developmental Biology</i> , 2007, 304, 825-833.	0.9	106
44	Bub1 Maintains Centromeric Cohesion by Activation of the Spindle Checkpoint. <i>Developmental Cell</i> , 2007, 13, 566-579.	3.1	120
45	On the origins of the extracellular matrix in vertebrates. <i>Matrix Biology</i> , 2007, 26, 2-11.	1.5	119
46	The evolution of the vertebrate metzincins; insights from <i>Ciona intestinalis</i> and <i>Danio rerio</i> . <i>BMC Evolutionary Biology</i> , 2007, 7, 63.	3.2	97
47	Identification of multiple integrin $\beta 1$ homologs in zebrafish (<i>Danio rerio</i>). <i>BMC Cell Biology</i> , 2006, 7, 24.	3.0	28
48	The integrins of the urochordate <i>Ciona intestinalis</i> provide novel insights into the molecular evolution of the vertebrate integrin family. <i>BMC Evolutionary Biology</i> , 2005, 5, 31.	3.2	47
49	Targeted Deletion of <i>mek5</i> Causes Early Embryonic Death and Defects in the Extracellular Signal-Regulated Kinase 5/Myocyte Enhancer Factor 2 Cell Survival Pathway. <i>Molecular and Cellular Biology</i> , 2005, 25, 336-345.	1.1	115
50	The characterisation of six ADAMTS proteases in the basal chordate <i>Ciona intestinalis</i> provides new insights into the vertebrate ADAMTS family. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 1838-1845.	1.2	55
51	Fibrillar collagen: The key to vertebrate evolution? A tale of molecular incest. <i>BioEssays</i> , 2003, 25, 142-151.	1.2	170
52	Receptor Tyrosine Kinase Axl Modulates the Osteogenic Differentiation of Pericytes. <i>Circulation Research</i> , 2003, 92, 1123-1129.	2.0	82
53	A Novel and Highly Conserved Collagen (<i>pro$\alpha 1$(XXVII)</i>) with a Unique Expression Pattern and Unusual Molecular Characteristics Establishes a New Clade within the Vertebrate Fibrillar Collagen Family. <i>Journal of Biological Chemistry</i> , 2003, 278, 31067-31077.	1.6	124
54	An enhancer complex confers both high-level and cell-specific expression of the human type X collagen gene. <i>FEBS Letters</i> , 2002, 531, 505-508.	1.3	15

#	ARTICLE	IF	CITATIONS
55	The Ribosomal Protein QM Is Expressed Differentially During Vertebrate Endochondral Bone Development. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 1066-1075.	3.1	50
56	Characterization of Hydra Type IV Collagen. <i>Journal of Biological Chemistry</i> , 2000, 275, 39589-39599.	1.6	62
57	Matrix Gla protein is differentially expressed during the deposition of a calcified matrix by vascular pericytes. <i>FEBS Letters</i> , 2000, 487, 267-271.	1.3	42
58	Metaphyseal Chondrodysplasia Type Schmid Mutations Are Predicted to Occur in Two Distinct Three-dimensional Clusters within Type X Collagen NC1 Domains That Retain the Ability to Trimerize. <i>Journal of Biological Chemistry</i> , 1999, 274, 3632-3641.	1.6	35
59	10 Identification of genes expressed during the osteogenic differentiation of vascular pericytes in vitro. <i>Biochemical Society Transactions</i> , 1998, 26, S4-S4.	1.6	6
60	Sequence comparison of three mammalian type-X collagen promoters and preliminary functional analysis of the human promoter. <i>Gene</i> , 1995, 160, 291-296.	1.0	28