

Mathieu Ferron

List of Publications by Year in descending order

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49
papers

9,744
citations

172457

29
h-index

197818

49
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56
all docs

56
docs citations

56
times ranked

12627
citing authors

#	ARTICLE	IF	CITATIONS
1	ERK3&MK5 signaling regulates myogenic differentiation and muscle regeneration by promoting FoxO3 degradation. <i>Journal of Cellular Physiology</i> , 2022, 237, 2271-2287.	4.1	3
2	Cover Image, Volume 237, Number 4, April 2022. <i>Journal of Cellular Physiology</i> , 2022, 237, .	4.1	0
3	Male but not female mice with severe osteogenesis imperfecta are partially protected from high-fat diet-induced obesity. <i>Molecular Genetics and Metabolism</i> , 2021, 133, 211-221.	1.1	3
4	AXL confers cell migration and invasion by hijacking a PEA3-regulated focal adhesion protein network. <i>Nature Communications</i> , 2020, 11, 3586.	12.8	37
5	PHOSPHO1 is a skeletal regulator of insulin resistance and obesity. <i>BMC Biology</i> , 2020, 18, 149.	3.8	13
6	Targeting Bone Cells During Sexual Maturation Reveals Sexually Dimorphic Regulation of Endochondral Ossification. <i>JBMR Plus</i> , 2020, 4, e10413.	2.7	2
7	Association between changes in bioactive osteocalcin and glucose homeostasis after biliopancreatic diversion. <i>Endocrine</i> , 2020, 69, 526-535.	2.3	4
8	Measurement of bioactive osteocalcin in humans using a novel immunoassay reveals association with glucose metabolism and β -cell function. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E381-E391.	3.5	25
9	Gain-of-Function Lrp5 Mutation Improves Bone Mass and Strength and Delays Hyperglycemia in a Mouse Model of Insulin-Deficient Diabetes. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1403-1415.	2.8	13
10	The half-life of the bone-derived hormone osteocalcin is regulated through O-glycosylation in mice, but not in humans. <i>ELife</i> , 2020, 9, .	6.0	7
11	Loss of OcaB Prevents Age-Induced Fat Accretion and Insulin Resistance by Altering B-Lymphocyte Transition and Promoting Energy Expenditure. <i>Diabetes</i> , 2018, 67, 1285-1296.	0.6	25
12	Regulation of Energy Metabolism by Bone-Derived Hormones. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a031666.	6.2	57
13	VKORC1L1, An Enzyme Mediating the Effect of Vitamin K in Liver and Extrahepatic Tissues. <i>Nutrients</i> , 2018, 10, 970.	4.1	21
14	VKORC1L1 supports vitamin K-dependent protein carboxylation in vivo. <i>JCI Insight</i> , 2018, 3, .	5.0	29
15	Association between osteocalcin gamma-carboxylation and insulin resistance in overweight and obese postmenopausal women. <i>Journal of Diabetes and Its Complications</i> , 2017, 31, 1027-1034.	2.3	24
16	Metabolic phenotype in the mouse model of osteogenesis imperfecta. <i>Journal of Endocrinology</i> , 2017, 234, 279-289.	2.6	23
17	Matrix Gla protein deficiency impairs nasal septum growth, causing midface hypoplasia. <i>Journal of Biological Chemistry</i> , 2017, 292, 11400-11412.	3.4	25
18	Proprotein convertase furin regulates osteocalcin and bone endocrine function. <i>Journal of Clinical Investigation</i> , 2017, 127, 4104-4117.	8.2	55

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19	Osteocalcin Signaling in Myofibers Is Necessary and Sufficient for Optimum Adaptation to Exercise. <i>Cell Metabolism</i> , 2016, 23, 1078-1092.	16.2	302
20	Phenotypic Characterization of MIP-CreERT1Lphi Mice With Transgene-Driven Islet Expression of Human Growth Hormone. <i>Diabetes</i> , 2015, 64, 3798-3807.	0.6	77
21	GGCX and VKORC1 inhibit osteocalcin endocrine functions. <i>Journal of Cell Biology</i> , 2015, 208, 761-776.	5.2	58
22	Gamma-carboxylation regulates osteocalcin function. <i>Oncotarget</i> , 2015, 6, 19924-19925.	1.8	13
23	Bone-specific insulin resistance disrupts whole-body glucose homeostasis via decreased osteocalcin activation. <i>Journal of Clinical Investigation</i> , 2014, 124, 1781-1793.	8.2	213
24	Tsc2 Is a Molecular Checkpoint Controlling Osteoblast Development and Glucose Homeostasis. <i>Molecular and Cellular Biology</i> , 2014, 34, 1850-1862.	2.3	52
25	Adiponectin Regulates Bone Mass via Opposite Central and Peripheral Mechanisms through FoxO1. <i>Cell Metabolism</i> , 2014, 19, 891.	16.2	1
26	Regulation of energy metabolism by the skeleton: Osteocalcin and beyond. <i>Archives of Biochemistry and Biophysics</i> , 2014, 561, 137-146.	3.0	160
27	Deficiency of the bone mineralization inhibitor NPP1 protects against obesity and diabetes. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 1341-50.	2.4	21
28	Osteocalcin regulates murine and human fertility through a pancreas-bone-testis axis. <i>Journal of Clinical Investigation</i> , 2014, 124, 5522-5522.	8.2	0
29	In vivo analysis of the contribution of bone resorption to the control of glucose metabolism in mice. <i>Molecular Metabolism</i> , 2013, 2, 498-504.	6.5	73
30	Adiponectin Regulates Bone Mass via Opposite Central and Peripheral Mechanisms through FoxO1. <i>Cell Metabolism</i> , 2013, 17, 901-915.	16.2	198
31	Regulation of lysosome biogenesis and functions in osteoclasts. <i>Cell Cycle</i> , 2013, 12, 2744-2752.	2.6	72
32	A RANKL- $\text{PKC}\beta$ -TFEB signaling cascade is necessary for lysosomal biogenesis in osteoclasts. <i>Genes and Development</i> , 2013, 27, 955-969.	5.9	149
33	Osteocalcin regulates murine and human fertility through a pancreas-bone-testis axis. <i>Journal of Clinical Investigation</i> , 2013, 123, 2421-2433.	8.2	233
34	FoxO1 Protein Cooperates with ATF4 Protein in Osteoblasts to Control Glucose Homeostasis. <i>Journal of Biological Chemistry</i> , 2012, 287, 8757-8768.	3.4	64
35	A lysosome-to-nucleus signalling mechanism senses and regulates the lysosome via mTOR and TFEB. <i>EMBO Journal</i> , 2012, 31, 1095-1108.	7.8	1,507
36	Intermittent injections of osteocalcin improve glucose metabolism and prevent type 2 diabetes in mice. <i>Bone</i> , 2012, 50, 568-575.	2.9	359

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37	The contribution of bone to whole-organism physiology. <i>Nature</i> , 2012, 481, 314-320.	27.8	430
38	Endocrine Regulation of Male Fertility by the Skeleton. <i>Cell</i> , 2011, 144, 796-809.	28.9	542
39	Inositol Polyphosphate 4-Phosphatase B as a Regulator of Bone Mass in Mice and Humans. <i>Cell Metabolism</i> , 2011, 14, 466-477.	16.2	52
40	Genetic evidence points to an osteocalcin-independent influence of osteoblasts on energy metabolism. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 2012-2025.	2.8	125
41	Genetic determination of the cellular basis of the sympathetic regulation of bone mass accrual. <i>Journal of Experimental Medicine</i> , 2011, 208, 841-851.	8.5	148
42	An ELISA-based method to quantify osteocalcin carboxylation in mice. <i>Biochemical and Biophysical Research Communications</i> , 2010, 397, 691-696.	2.1	100
43	Insulin Signaling in Osteoblasts Integrates Bone Remodeling and Energy Metabolism. <i>Cell</i> , 2010, 142, 296-308.	28.9	957
44	The transcription factor ATF4 regulates glucose metabolism in mice through its expression in osteoblasts. <i>Journal of Clinical Investigation</i> , 2009, 119, 2807-2817.	8.2	193
45	The Gutsy Side of Bone. <i>Cell Metabolism</i> , 2009, 10, 7-8.	16.2	9
46	Osteocalcin differentially regulates β^2 cell and adipocyte gene expression and affects the development of metabolic diseases in wild-type mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5266-5270.	7.1	819
47	Endocrine Regulation of Energy Metabolism by the Skeleton. <i>Cell</i> , 2007, 130, 456-469.	28.9	2,151
48	Characterization of the murine <i>Inpp4b</i> gene and identification of a novel isoform. <i>Gene</i> , 2006, 376, 152-161.	2.2	52
49	Grey-lethal mutation induces severe malignant autosomal recessive osteopetrosis in mouse and human. <i>Nature Medicine</i> , 2003, 9, 399-406.	30.7	245