Alexander Bartelt

List of Publications by Year
in descending order

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48	5,210	318942	232693
papers	citations	23 h-index	48 g-index

51	51	51	9549
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Properties and fate of human mesenchymal stem cells upon miRNA let-7f-promoted recruitment to atherosclerotic plaques. Cardiovascular Research, 2023, 119, 155-166.	1.8	2
2	Adipocyte function and the development of cardiometabolic disease. Journal of Physiology, 2022, 600, 1189-1208.	1.3	17
3	NFE2L1-mediated proteasome function protects from ferroptosis. Molecular Metabolism, 2022, 57, 101436.	3.0	13
4	MALDI MSI for a fresh view on atherosclerotic plaque lipids. Pflugers Archiv European Journal of Physiology, 2022, 474, 185-186.	1.3	1
5	Proteasome dysfunction disrupts adipogenesis and induces inflammation via ATF3. Molecular Metabolism, 2022, 62, 101518.	3.0	13
6	Cardiolipin deficiency in Barth syndrome is not associated with increasedÂsuperoxide/H 2 O 2 production in heart and skeletal muscle mitochondria. FEBS Letters, 2021, 595, 415-432.	1.3	14
7	Endogenous Fatty Acid Synthesis Drives Brown Adipose Tissue Involution. Cell Reports, 2021, 34, 108624.	2.9	33
8	HAND2 is a novel obesity-linked adipogenic transcription factor regulated by glucocorticoid signalling. Diabetologia, 2021, 64, 1850-1865.	2.9	10
9	A guide to understanding endoplasmic reticulum stress in metabolic disorders. Molecular Metabolism, 2021, 47, 101169.	3.0	134
10	Let-7f miRNA regulates SDF-1Î±- and hypoxia-promoted migration of mesenchymal stem cells and attenuates mammary tumor growth upon exosomal release. Cell Death and Disease, 2021, 12, 516.	2.7	27
11	Methylglyoxal Drives a Distinct, Nonclassical Macrophage Activation Status. Thrombosis and Haemostasis, 2021, 121, 1464-1475.	1.8	4
12	Fuse your mitochondria, lose appetite: an anorexic, antiâ€obesity sphingolipid. EMBO Molecular Medicine, 2021, 13, e14618.	3.3	4
13	Role of Ubiquilins for Brown Adipocyte Proteostasis and Thermogenesis. Frontiers in Endocrinology, 2021, 12, 739021.	1.5	5
14	ADH5-mediated NO bioactivity maintains metabolic homeostasis in brown adipose tissue. Cell Reports, 2021, 37, 110003.	2.9	10
15	Mitochondrial Ejection for Cardiac Protection: The Macrophage Connection. Cell Metabolism, 2020, 32, 512-513.	7.2	5
16	Proteostasis in thermogenesis and obesity. Biological Chemistry, 2020, 401, 1019-1030.	1.2	15
17	12-Lipoxygenase Regulates Cold Adaptation and Glucose Metabolism by Producing the Omega-3 Lipid 12-HEPE from Brown Fat. Cell Metabolism, 2019, 30, 768-783.e7.	7.2	132
18	The new age of radiomic risk profiling: perivascular fat at the heart of the matter. European Heart Journal, 2019, 40, 3544-3546.	1.0	6

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19	Effects of Pharmacological Thermogenic Adipocyte Activation on Metabolism and Atherosclerotic Plaque Regression. Nutrients, 2019, 11, 463.	1.7	10
20	Lrp1 in osteoblasts controls osteoclast activity and protects against osteoporosis by limiting PDGFâ€“RANKL signaling. Bone Research, 2018, 6, 4.	5.4	45
21	Brown adipose tissue thermogenic adaptation requires Nrf1-mediated proteasomal activity. Nature Medicine, 2018, 24, 292-303.	15.2	154
22	Dietary protein restriction reduces circulating VLDL triglyceride levels via CREBH-APOA5â€“dependent and â€“independent mechanisms. JCI Insight, 2018, 3, .	2.3	42
23	Next-generation in vivo optical imaging with short-wave infrared quantum dots. Nature Biomedical Engineering, 2017, 1, .	11.6	490
24	Thermogenic adipocytes promote HDL turnover and reverse cholesterol transport. Nature Communications, 2017, 8, 15010.	5.8	117
25	The cold-induced lipokine 12,13-diHOME promotes fatty acid transport into brown adipose tissue. Nature Medicine, 2017, 23, 631-637.	15.2	309
26	Cold exposure beneficially modulates HDL metabolism in mice and humans. Atherosclerosis, 2017, 263, e95.	0.4	2
27	NRF1 Is an ER Membrane Sensor that Is Central to Cholesterol Homeostasis. Cell, 2017, 171, 1094-1109.e15.	13.5	164
28	Quantification of Bone Fatty Acid Metabolism and Its Regulation by Adipocyte Lipoprotein Lipase. International Journal of Molecular Sciences, 2017, 18, 1264.	1.8	38
29	Differential effects of Calca-derived peptides in male mice with diet-induced obesity. PLoS ONE, 2017, 12, e0180547.	1.1	12
30	Surgical injury induces local and distant adipose tissue browning. Adipocyte, 2016, 5, 163-174.	1.3	19
31	Brown fat activation reduces hypercholesterolaemia and protects from atherosclerosis development. Nature Communications, 2015, 6, 6356.	5.8	360
32	Apolipoprotein E promotes lipid accumulation and differentiation in human adipocytes. Experimental Cell Research, 2015, 337, 94-102.	1.2	22
33	Genetic Dissection of Tissue-Specific Apolipoprotein E Function for Hypercholesterolemia and Diet-Induced Obesity. PLoS ONE, 2015, 10, e0145102.	1.1	16
34	The cell-type specific uptake of polymer-coated or micelle-embedded QDs and SPIOs does not provoke an acute pro-inflammatory response in the liver. Beilstein Journal of Nanotechnology, 2014, 5, 1432-1440.	1.5	13
35	Adipose tissue browning and metabolic health. Nature Reviews Endocrinology, 2014, 10, 24-36.	4.3	882
36	Hepatic lipase is expressed by osteoblasts and modulates bone remodeling in obesity. Bone, 2014, 62, 90-98.	1.4	9

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37	Homozygosity for a partial deletion of apoprotein A-V signal peptide results in intracellular missorting of the protein and chylomicronemia in a breast-fed infant. Atherosclerosis, 2014, 233, 97-103.	0.4	24
38	Human apolipoprotein E isoforms differentially affect bone mass and turnover in vivo. Journal of Bone and Mineral Research, 2013, 28, 236-245.	3.1	19
39	Effects of adipocyte lipoprotein lipase on de novo lipogenesis and white adipose tissue browning. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 934-942.	1.2	46
40	De novo lipogenesis in human fat and liver is linked to ChREBP-Î² and metabolic health. Nature Communications, 2013, 4, 1528.	5.8	241
41	The holy grail of metabolic disease. Current Opinion in Lipidology, 2012, 23, 190-195.	1.2	61
42	A Simple and Widely Applicable Method to ⁵⁹Fe-Radiolabel Monodisperse Superparamagnetic Iron Oxide Nanoparticles for In Vivo Quantification Studies. ACS Nano, 2012, 6, 7318-7325.	7.3	82
43	Impaired LDL Receptor-Related Protein 1 Translocation Correlates with Improved Dyslipidemia and Atherosclerosis in apoE-Deficient Mice. PLoS ONE, 2012, 7, e38330.	1.1	26
44	A new, powerful player in lipoprotein metabolism: brown adipose tissue. Journal of Molecular Medicine, 2012, 90, 887-893.	1.7	39
45	Short-term activation of liver X receptors inhibits osteoblasts but long-term activation does not have an impact on murine bone in vivo. Bone, 2011, 48, 339-346.	1.4	19
46	PML isoforms I and II participate in PML-dependent restriction of HSV-1 replication. Journal of Cell Science, 2011, 124, 280-291.	1.2	90
47	Brown adipose tissue activity controls triglyceride clearance. Nature Medicine, 2011, 17, 200-205.	15.2	1,367
48	Apolipoprotein E-dependent inverse regulation of vertebral bone and adipose tissue mass in C57Bl/6 mice: Modulation by diet-induced obesity. Bone, 2010, 47, 736-745.	1.4	46