Christopher J Lelliott

List of Publications by Year
in descending order

55 papers	5,110 citations	159585 30 h-index	175258 52 g-index
63 all docs	63 docs citations	63 times ranked	9188 citing authors

#	ARTICLE	IF	CITATIONS
1	Hypothalamic AMPK and fatty acid metabolism mediate thyroid regulation of energy balance. Nature Medicine, 2010, 16, 1001-1008.	30.7	581
2	An atlas of genetic influences on osteoporosis in humans and mice. Nature Genetics, 2019, 51, 258-266.	21.4	557
3	Hypothalamic Fatty Acid Metabolism Mediates the Orexigenic Action of Ghrelin. Cell Metabolism, 2008, 7, 389-399.	16.2	417
4	Coordination of PGC-1Î² and iron uptake in mitochondrial biogenesis and osteoclast activation. Nature Medicine, 2009, 15, 259-266.	30.7	315
5	Ablation of PGC-1Î² Results in Defective Mitochondrial Activity, Thermogenesis, Hepatic Function, and Cardiac Performance. PLoS Biology, 2006, 4, e369.	5.6	249
6	Prevalence of sexual dimorphism in mammalian phenotypic traits. Nature Communications, 2017, 8, 15475.	12.8	200
7	Characterization of the human, mouse and rat PGC1beta (peroxisome-proliferator-activated) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	3.7	185
8	Regulation of Adiponectin Expression in Human Adipocytes: Effects of Adiposity, Glucocorticoids, and Tumor Necrosis Factor Î±. Obesity, 2005, 13, 662-669.	4.0	177
9	Sixteen diverse laboratory mouse reference genomes define strain-specific haplotypes and novel functional loci. Nature Genetics, 2018, 50, 1574-1583.	21.4	169
10	Mitochondrial Fusion Is Increased by the Nuclear Coactivator PGC-1Î². PLoS ONE, 2008, 3, e3613.	2.5	159
11	The Link Between Nutritional Status and Insulin Sensitivity Is Dependent on the Adipocyte-Specific Peroxisome Proliferator-Activated Receptor-Â2 Isoform. Diabetes, 2005, 54, 1706-1716.	0.6	157
12	Tamoxifen-Induced Anorexia Is Associated With Fatty Acid Synthase Inhibition in the Ventromedial Nucleus of the Hypothalamus and Accumulation of Malonyl-CoA. Diabetes, 2006, 55, 1327-1336.	0.6	143
13	PGC-1Î² Deficiency Accelerates the Transition to Heart Failure in Pressure Overload Hypertrophy. Circulation Research, 2011, 109, 783-793.	4.5	136
14	Peroxisome proliferator-activated receptor-Î³ coactivator 1-Î± (PGC1Î±) is a metabolic regulator of intestinal epithelial cell fate. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6603-6608.	7.1	135
15	Discovery of four recessive developmental disorders using probabilistic genotype and phenotype matching among 4,125 families. Nature Genetics, 2015, 47, 1363-1369.	21.4	133
16	Hypothalamic fatty acid metabolism: A housekeeping pathway that regulates food intake. BioEssays, 2007, 29, 248-261.	2.5	127
17	Acutely reduced locomotor activity is a major contributor to Western diet-induced obesity in mice. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E251-E260.	3.5	120
18	Targeting of NAT10 enhances healthspan in a mouse model of human accelerated aging syndrome. Nature Communications, 2018, 9, 1700.	12.8	103

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19	Transcript and metabolite analysis of the effects of tamoxifen in rat liver reveals inhibition of fatty acid synthesis in the presence of hepatic steatosis. FASEB Journal, 2005, 19, 1108-1119.	0.5	87
20	Intestinal, adipose, and liver inflammation in diet-induced obese mice. Metabolism: Clinical and Experimental, 2008, 57, 1704-1710.	3.4	87
21	Mouse screen reveals multiple new genes underlying mouse and human hearing loss. PLoS Biology, 2019, 17, e3000194.	5.6	84
22	ETO/MTG8 Is an Inhibitor of C/EBPÎ² Activity and a Regulator of Early Adipogenesis. Molecular and Cellular Biology, 2004, 24, 9863-9872.	2.3	75
23	Human and mouse essentiality screens as a resource for disease gene discovery. Nature Communications, 2020, 11, 655.	12.8	64
24	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. Nature Communications, 2018, 9, 288.	12.8	59
25	Osteocyte transcriptome mapping identifies a molecular landscape controlling skeletal homeostasis and susceptibility to skeletal disease. Nature Communications, 2021, 12, 2444.	12.8	58
26	Amelioration of lipid-induced insulin resistance in rat skeletal muscle by overexpression of Pgc-1Î² involves reductions in long-chain acyl-CoA levels and oxidative stress. Diabetologia, 2011, 54, 1417-1426.	6.3	52
27	A New Role for Lipocalin Prostaglandin D Synthase in the Regulation of Brown Adipose Tissue Substrate Utilization. Diabetes, 2012, 61, 3139-3147.	0.6	48
28	Hepatic PGC-1Î² Overexpression Induces Combined Hyperlipidemia and Modulates the Response to PPARÎ± Activation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 2707-2713.	2.4	43
29	MacroH2A1 isoforms are associated with epigenetic markers for activation of lipogenic genes in fatâ€induced steatosis. FASEB Journal, 2015, 29, 1676-1687.	0.5	41
30	Lamin Expression in Human Adipose Cells in Relation to Anatomical Site and Differentiation State. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 728-734.	3.6	35
31	Accelerating functional gene discovery in osteoarthritis. Nature Communications, 2021, 12, 467.	12.8	33
32	Deletion of the metabolic transcriptional coactivator PGC1Î² induces cardiac arrhythmia. Cardiovascular Research, 2011, 92, 29-38.	3.8	30
33	Targeting of Slc25a21 Is Associated with Orofacial Defects and Otitis Media Due to Disrupted Expression of a Neighbouring Gene. PLoS ONE, 2014, 9, e91807.	2.5	30
34	Large-scale neuroanatomical study uncovers 198 gene associations in mouse brain morphogenesis. Nature Communications, 2019, 10, 3465.	12.8	23
35	Trappc9 deficiency causes parent-of-origin dependent microcephaly and obesity. PLoS Genetics, 2020, 16, e1008916.	3.5	22
36	Peroxisome proliferatorâ€activated receptor gammaâ€coactivatorâ€1 alpha coordinates sphingolipid metabolism, lipid raft composition and myelin protein synthesis. European Journal of Neuroscience, 2013, 38, 2672-2683.	2.6	19

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37	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. PLoS Genetics, 2020, 16, e1009190.	3.5	19
38	Lamin Expression in Human Adipose Cells in Relation to Anatomical Site and Differentiation State. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 728-734.	3.6	17
39	PDZD8 Disruption Causes Cognitive Impairment in Humans, Mice, and Fruit Flies. Biological Psychiatry, 2022, 92, 323-334.	1.3	14
40	PGC-1Î²: A Co-activator That Sets the Tone for Both Basal and Stress-Stimulated Mitochondrial Activity. Advances in Experimental Medicine and Biology, 2009, 646, 133-139.	1.6	13
41	High-throughput discovery of genetic determinants of circadian misalignment. PLoS Genetics, 2020, 16, e1008577.	3.5	10
42	Biallelic variants in TRAPPC10 cause a microcephalic TRAPPopathy disorder in humans and mice. PLoS Genetics, 2022, 18, e1010114.	3.5	10
43	Myosin 10 is involved in murine pigmentation. Experimental Dermatology, 2019, 28, 391-394.	2.9	9
44	In vivo imaging of lipid storage and regression in diet-induced obesity during nutrition manipulation. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E1287-E1295.	3.5	6
45	Metabolomic and Lipidomic Analysis of the Heart of Peroxisome Proliferator-Activated Receptor-Î³ Coactivator 1-Î² Knock Out Mice on a High Fat Diet. Metabolites, 2012, 2, 366-381.	2.9	6
46	Lyplal1 is dispensable for normal fat deposition in mice. DMM Disease Models and Mechanisms, 2017, 10, 1481-1488.	2.4	6
47	What is the most appropriate covariate in ANCOVA when analysing metabolic rate?. Nature Metabolism, 2021, 3, 1585-1585.	11.9	5
48	Effects of maternal highâ€fat/high sucrose diet on hepatic lipid metabolism in rat offspring. Clinical and Experimental Pharmacology and Physiology, 2021, 48, 86-95.	1.9	4
49	Genetically Modified Mouse Models of Insulin Resistance. , 2005, , 133-153.		2
50	An Orphan CpG Island Drives Expression of a let-7 miRNA Precursor with an Important Role in Mouse Development. Epigenomes, 2019, 3, 7.	1.8	2
51	A Positively Selected MAGEE2 LoF Allele Is Associated with Sexual Dimorphism in Human Brain Size and Shows Similar Phenotypes in Magee2 Null Mice. Molecular Biology and Evolution, 2021, 38, 5655-5663.	8.9	1
52	High-throughput discovery of genetic determinants of circadian misalignment. , 2020, 16, e1008577.		0
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