Charles A Leduc

List of Publications by Year
in descending order

42 papers	1,746 citations	361413 20 h-index	315739 38 g-index
42 all docs	42 docs citations	42 times ranked	4078 citing authors

#	Article	IF	Citations
1	The postnatal leptin surge in mice is variable in both time and intensity and reflects nutritional status. International Journal of Obesity, 2022, 46, 39-49.	3.4	16
2	Endocrine and behavioural features of Lowe syndrome and their potential molecular mechanisms. Journal of Medical Genetics, 2022, 59, 1171-1178.	3.2	1
3	Weightâ€loss response to naltrexone/bupropion is modulated by the <scp>Taq1A</scp> genetic variant near <scp>DRD2</scp> (<scp>rs1800497</scp>): A pilot study. Diabetes, Obesity and Metabolism, 2021, 23, 850-853.	4.4	10
4	Frequency and characterization of mutations in genes in a large cohort of patients referred to MODY registry. Journal of Pediatric Endocrinology and Metabolism, 2021, 34, 633-638.	0.9	9
5	Bardet-Biedl syndrome proteins regulate intracellular signaling and neuronal function in patient-specific iPSC-derived neurons. Journal of Clinical Investigation, 2021, 131, .	8.2	30
6	Obesity-associated hyperleptinemia alters the gliovascular interface of the hypothalamus to promote hypertension. Cell Metabolism, 2021, 33, 1155-1170.e10.	16.2	68
7	Gene expression atlas of energy balance brain regions. JCI Insight, 2021, 6, .	5.0	6
8	Biâ€allelic PAGR1 variants are associated with microcephaly and a severe neurodevelopmental disorder: Genetic evidence from two families. American Journal of Medical Genetics, Part A, 2021, , .	1.2	3
9	The Role of Leptin in the Development of Energy Homeostatic Systems and the Maintenance of Body Weight. Frontiers in Physiology, 2021, 12, 789519.	2.8	8
10	Physiological consequences of transient hyperleptinemia during discrete developmental periods on body weight in mice. Science Translational Medicine, 2020, 12, .	12.4	14
11	Genetic Studies of Leptin Concentrations Implicate Leptin in the Regulation of Early Adiposity. Diabetes, 2020, 69, 2806-2818.	0.6	26
12	Auto-Regulation of Leptin Neurobiology. Cell Metabolism, 2019, 30, 614-616.	16.2	8
13	Homozygous noncanonical splice variant in LSM1 in two siblings with multiple congenital anomalies and global developmental delay. Journal of Physical Education and Sports Management, 2019, 5, a004101.	1.2	4
14	Transgenic substitution with Greater Amberjack Seriola dumerili fish insulin 2 in NOD mice reduces beta cell immunogenicity. Scientific Reports, 2019, 9, 4965.	3.3	0
15	Recessive Rare Variants in Deoxyhypusine Synthase, an Enzyme Involved in the Synthesis of Hypusine, Are Associated with a Neurodevelopmental Disorder. American Journal of Human Genetics, 2019, 104, 287-298.	6.2	38
16	DMSO increases efficiency of genome editing at two non-coding loci. PLoS ONE, 2018, 13, e0198637.	2.5	12
17	FTO mediates cell-autonomous effects on adipogenesis and adipocyte lipid content by regulating gene expression via 6mA DNA modifications. Journal of Lipid Research, 2018, 59, 1446-1460.	4.2	21
18	The role of Rpgrip1l, a component of the primary cilium, in adipocyte development and function. FASEB Journal, 2018, 32, 3946-3956.	0.5	13

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19	Bi-allelic Mutations in Phe-tRNA Synthetase Associated with a Multi-system Pulmonary Disease Support Non-translational Function. American Journal of Human Genetics, 2018, 103, 100-114.	6.2	34
20	ILDR2 has a negligible role in hepatic steatosis. PLoS ONE, 2018, 13, e0197548.	2.5	0
21	Evidence for a Non-leptin System that Defends against Weight Gain in Overfeeding. Cell Metabolism, 2018, 28, 289-299.e5.	16.2	43
22	The subgingival microbiome, systemic inflammation and insulin resistance: The Oral Infections, Glucose Intolerance and Insulin Resistance Study. Journal of Clinical Periodontology, 2017, 44, 255-265.	4.9	84
23	Loss of the imprinted, non-coding Snord116 gene cluster in the interval deleted in the Prader Willi syndrome results in murine neuronal and endocrine pancreatic developmental phenotypes. Human Molecular Genetics, 2017, 26, 4606-4616.	2.9	27
24	Weight Perturbation Alters Leptin Signal Transduction in a Region-Specific Manner throughout the Brain. PLoS ONE, 2017, 12, e0168226.	2.5	6
25	Energy homeostasis in leptin deficient Lepob/ob mice. PLoS ONE, 2017, 12, e0189784.	2.5	13
26	ZNF70, a novel ILDR2-interacting protein, contributes to the regulation of HES1 gene expression. Biochemical and Biophysical Research Communications, 2016, 477, 712-716.	2.1	12
27	Induced pluripotent stem cells (iPSC) created from skin fibroblasts of patients with Prader-Willi syndrome (PWS) retain the molecular signature of PWS. Stem Cell Research, 2016, 17, 526-530.	0.7	28
28	Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. Nature Communications, 2016, 7, 10494.	12.8	153
29	Monoallelic and Biallelic Variants in EMC1 Identified in Individuals with Global Developmental Delay, Hypotonia, Scoliosis, and Cerebellar Atrophy. American Journal of Human Genetics, 2016, 98, 562-570.	6.2	66
30	Hypomorphism of Fto and Rpgrip1l causes obesity in mice. Journal of Clinical Investigation, 2016, 126, 1897-1910.	8.2	80
31	Differentiation of hypothalamic-like neurons from human pluripotent stem cells. Journal of Clinical Investigation, 2015, 125, 796-808.	8.2	112
32	Effects of a novel MC4R agonist on maintenance of reduced body weight in dietâ€induced obese mice. Obesity, 2014, 22, 1287-1295.	3.0	15
33	Comparable Frequencies of Coding Mutations and Loss of Imprinting in Human Pluripotent Cells Derived by Nuclear Transfer and Defined Factors. Cell Stem Cell, 2014, 15, 634-642.	11.1	113
34	Hypomorphism for RPGRIP1L, a Ciliary Gene Vicinal to the FTO Locus, Causes Increased Adiposity in Mice. Cell Metabolism, 2014, 19, 767-779.	16.2	145
35	Novel Association of Early Onset Hepatocellular Carcinoma with Transaldolase Deficiency. JIMD Reports, 2013, 12, 121-127.	1.5	33
36	Effects of ambient temperature on adaptive thermogenesis during maintenance of reduced body weight in mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R438-R448.	1.8	44

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37	Familial and Acquired SH2B3 mutations in ALL. Blood, 2012, 120, 1326-1326.	1.4	0
38	Cut-like Homeobox 1 (CUX1) Regulates Expression of the Fat Mass and Obesity-associated and Retinitis Pigmentosa GTPase Regulator-interacting Protein-1-like (RPGRIP1L) Genes and Coordinates Leptin Receptor Signaling. Journal of Biological Chemistry, 2011, 286, 2155-2170.	3.4	129
39	Reproducibility and accuracy of body composition assessments in mice by dual energy x-ray absorptiometry and time domain nuclear magnetic resonance. International Journal of Body Composition Research, 2009, 7, 147-154.	0.5	50
40	Regulation ofFto/Ftmgene expression in mice and humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1185-R1196.	1.8	270
41	Utility of Oligonucleotide Array Comparative Genomic Hybridization to Identify Cryptic Copy Number Alterations in Myelodysplastic Syndromes. Blood, 2008, 112, 5076-5076.	1.4	1
42	A homozygous splice variant in ATP5PO , disrupts mitochondrial complex V function and causes Leigh syndrome in two unrelated families. Journal of Inherited Metabolic Disease, 0, , .	3.6	1