

Julien Castel

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,127
citations

394421

19
h-index

501196

28
g-index

35
all docs

35
docs citations

35
times ranked

4056
citing authors

#	ARTICLE	IF	CITATIONS
1	mTOR Inhibition by Rapamycin Prevents β^2 -Cell Adaptation to Hyperglycemia and Exacerbates the Metabolic State in Type 2 Diabetes. <i>Diabetes</i> , 2008, 57, 945-957.	0.6	336
2	Mitochondrial Reactive Oxygen Species Are Obligatory Signals for Glucose-Induced Insulin Secretion. <i>Diabetes</i> , 2009, 58, 673-681.	0.6	307
3	Intestinal epithelial MyD88 is a sensor switching host metabolism towards obesity according to nutritional status. <i>Nature Communications</i> , 2014, 5, 5648.	12.8	197
4	Adipose tissue NAPE-PLD controls fat mass development by altering the browning process and gut microbiota. <i>Nature Communications</i> , 2015, 6, 6495.	12.8	144
5	Physiological and Pharmacological Mechanisms through which the DPP-4 Inhibitor Sitagliptin Regulates Glycemia in Mice. <i>Endocrinology</i> , 2011, 152, 3018-3029.	2.8	134
6	Palatability Can Drive Feeding Independent of AgRP Neurons. <i>Cell Metabolism</i> , 2015, 22, 646-657.	16.2	122
7	Hypothalamic AgRP-neurons control peripheral substrate utilization and nutrient partitioning. <i>EMBO Journal</i> , 2012, 31, 4276-4288.	7.8	105
8	The hypothalamic arcuate nucleus and the control of peripheral substrates. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2014, 28, 725-737.	4.7	100
9	Overexpression of Mitochondrial Methionine Sulfoxide Reductase B2 Protects Leukemia Cells from Oxidative Stress-induced Cell Death and Protein Damage. <i>Journal of Biological Chemistry</i> , 2008, 283, 16673-16681.	3.4	83
10	High-Density Lipoprotein Maintains Skeletal Muscle Function by Modulating Cellular Respiration in Mice. <i>Circulation</i> , 2013, 128, 2364-2371.	1.6	73
11	Oxidative Stress Contributes to Aging by Enhancing Pancreatic Angiogenesis and Insulin Signaling. <i>Cell Metabolism</i> , 2008, 7, 113-124.	16.2	64
12	Arcuate AgRP neurons and the regulation of energy balance. <i>Frontiers in Endocrinology</i> , 2012, 3, 169.	3.5	59
13	Oxytocin Reverses Ovariectomy-Induced Osteopenia and Body Fat Gain. <i>Endocrinology</i> , 2014, 155, 1340-1352.	2.8	55
14	Dietary triglycerides act on mesolimbic structures to regulate the rewarding and motivational aspects of feeding. <i>Molecular Psychiatry</i> , 2014, 19, 1095-1105.	7.9	54
15	Circulating Triglycerides Gate Dopamine-Associated Behaviors through DRD2-Expressing Neurons. <i>Cell Metabolism</i> , 2020, 31, 773-790.e11.	16.2	52
16	Hippocampal lipoprotein lipase regulates energy balance in rodents. <i>Molecular Metabolism</i> , 2014, 3, 167-176.	6.5	47
17	Exploring Functional β^2 -Cell Heterogeneity In Vivo Using PSA-NCAM as a Specific Marker. <i>PLoS ONE</i> , 2009, 4, e5555.	2.5	39
18	Postprandial Hyperglycemia Stimulates Neuroglial Plasticity in Hypothalamic POMC Neurons after a Balanced Meal. <i>Cell Reports</i> , 2020, 30, 3067-3078.e5.	6.4	33

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19	Cardiolipin content controls mitochondrial coupling and energetic efficiency in muscle. <i>Science Advances</i> , 2021, 7, .	10.3	23
20	Prebiotics Supplementation Impact on the Reinforcing and Motivational Aspect of Feeding. <i>Frontiers in Endocrinology</i> , 2018, 9, 273.	3.5	22
21	Identification of an endocannabinoid gut-brain vagal mechanism controlling food reward and energy homeostasis. <i>Molecular Psychiatry</i> , 2022, 27, 2340-2354.	7.9	22
22	Type 2 diabetes risk gene <i>Dusp8</i> regulates hypothalamic Jnk signaling and insulin sensitivity. <i>Journal of Clinical Investigation</i> , 2020, 130, 6093-6108.	8.2	17
23	Translational profiling of mouse dopaminergic neurons reveals region-specific gene expression, exon usage, and striatal prostaglandin E2 modulatory effects. <i>Molecular Psychiatry</i> , 2022, 27, 2068-2079.	7.9	12
24	Muscle expression of a malonyl-CoA-insensitive carnitine palmitoyltransferase-1 protects mice against high-fat/high-sucrose diet-induced insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E649-E660.	3.5	8
25	A surrogate of Roux-en-Y gastric bypass (the enterogastro anastomosis surgery) regulates multiple beta-cell pathways during resolution of diabetes in ob/ob mice. <i>EBioMedicine</i> , 2020, 58, 102895.	6.1	8
26	A readout of metabolic efficiency in arylamine N-acetyltransferase-deficient mice reveals minor energy metabolism changes. <i>FEBS Letters</i> , 2019, 593, 831-841.	2.8	3
27	Disruption of lateral hypothalamic calorie detection by a free choice high fat diet. <i>FASEB Journal</i> , 2021, 35, e21804.	0.5	3
28	Hindbrain catecholaminergic inputs to the paraventricular thalamus scale feeding and metabolic efficiency in stress-related contexts. <i>Journal of Physiology</i> , 2022, 600, 2877-2895.	2.9	3
29	The Dopamine Receptor Subtype 2 (DRD2) Regulates the Central Reinforcing Actions of Dietary Lipids in Humans and Rodents. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
30	Portal Glucose Infusion, Afferent Nerve Fibers, and Glucose and Insulin Tolerance of Insulin-Resistant Rats. <i>Journal of Nutrition</i> , 2022, 152, 1862-1871.	2.9	1