

Corinne Leloup

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60 papers	2,390 citations	27 h-index	48 g-index
84 ext. papers	2,636 ext. citations	4.1 avg, IF	4.2 L-index

#	Paper	IF	Citations
60	Mitochondrial reactive oxygen species are obligatory signals for glucose-induced insulin secretion. <i>Diabetes</i> , 2009 , 58, 673-81	0.9	256
59	Glucose transporter 2 (GLUT 2): expression in specific brain nuclei. <i>Brain Research</i> , 1994 , 638, 221-6	3.7	176
58	Immunocytochemical localization of the insulin-responsive glucose transporter 4 (Glut4) in the rat central nervous system. <i>Journal of Comparative Neurology</i> , 1998 , 399, 492-512	3.4	133
57	Mitochondrial reactive oxygen species are required for hypothalamic glucose sensing. <i>Diabetes</i> , 2006 , 55, 2084-90	0.9	120
56	Role for mitochondrial reactive oxygen species in brain lipid sensing: redox regulation of food intake. <i>Diabetes</i> , 2007 , 56, 152-60	0.9	118
55	Distribution and anatomical localization of the glucose transporter 2 (GLUT2) in the adult rat brain--an immunohistochemical study. <i>Journal of Chemical Neuroanatomy</i> , 2004 , 28, 117-36	3.2	114
54	Brain glucagon-like peptide-1 regulates arterial blood flow, heart rate, and insulin sensitivity. <i>Diabetes</i> , 2008 , 57, 2577-87	0.9	100
53	Discrete brain areas express the insulin-responsive glucose transporter GLUT4. <i>Molecular Brain Research</i> , 1996 , 38, 45-53		99
52	The autonomic nervous system, adipose tissue plasticity, and energy balance. <i>Nutrition</i> , 2000 , 16, 903-8	4.8	96
51	Tissue-selective estrogen complexes with bazedoxifene prevent metabolic dysfunction in female mice. <i>Molecular Metabolism</i> , 2014 , 3, 177-90	8.8	76
50	Immunocytochemical localization of the glucose transporter 2 (GLUT2) in the adult rat brain. II. Electron microscopic study. <i>Journal of Chemical Neuroanatomy</i> , 2004 , 28, 137-46	3.2	75
49	Evaluation of lesion clustering in irradiated plasmid DNA. <i>International Journal of Radiation Biology</i> , 2005 , 81, 41-54	2.9	68
48	Brain glucose sensing mechanism and glucose homeostasis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2002 , 5, 539-43	3.8	64
47	Specific inhibition of GLUT2 in arcuate nucleus by antisense oligonucleotides suppresses nervous control of insulin secretion. <i>Molecular Brain Research</i> , 1998 , 57, 275-80		59
46	Hypothalamic reactive oxygen species are required for insulin-induced food intake inhibition: an NADPH oxidase-dependent mechanism. <i>Diabetes</i> , 2009 , 58, 1544-9	0.9	55
45	Diabetic beta-cells can achieve self-protection against oxidative stress through an adaptive up-regulation of their antioxidant defenses. <i>PLoS ONE</i> , 2009 , 4, e6500	3.7	51
44	Brain glucose sensing: a subtle mechanism. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2006 , 9, 458-62	3.8	50

43	Enhanced hypothalamic glucose sensing in obesity: alteration of redox signaling. <i>Diabetes</i> , 2009 , 58, 2189-97	0.9	49
42	Balancing mitochondrial redox signaling: a key point in metabolic regulation. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 519-30	8.4	46
41	Attenuated Levels of Hippocampal Connexin 43 and its Phosphorylation Correlate with Antidepressant- and Anxiolytic-Like Activities in Mice. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 490	6.1	40
40	Glucose and hypothalamic astrocytes: More than a fueling role?. <i>Neuroscience</i> , 2016 , 323, 110-20	3.9	35
39	Hypothalamic astroglial connexins are required for brain glucose sensing-induced insulin secretion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014 , 34, 339-46	7.3	32
38	Hypothalamic apelin/reactive oxygen species signaling controls hepatic glucose metabolism in the onset of diabetes. <i>Antioxidants and Redox Signaling</i> , 2014 , 20, 557-73	8.4	32
37	The role of RAD9 in tumorigenesis. <i>Journal of Molecular Cell Biology</i> , 2011 , 3, 39-43	6.3	32
36	Evidence for hypothalamic ketone body sensing: impact on food intake and peripheral metabolic responses in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E103-15	6	29
35	Importance of mitochondrial dynamin-related protein 1 in hypothalamic glucose sensitivity in rats. <i>Antioxidants and Redox Signaling</i> , 2012 , 17, 433-44	8.4	29
34	Linear energy transfer dependence of the effects of carbon ion beams on adventitious shoot regeneration from in vitro leaf explants of <i>Saintpaulia ionantha</i> . <i>International Journal of Radiation Biology</i> , 2006 , 82, 473-81	2.9	24
33	Developmental changes in integrin beta-subunits in rat cerebral cortex. <i>Neuroscience Letters</i> , 1997 , 234, 161-5	3.3	23
32	Differential impact of mouse Rad9 deletion on ionizing radiation-induced bystander effects. <i>Radiation Research</i> , 2005 , 164, 655-61	3.1	22
31	Transient Receptor Potential Canonical 3 (TRPC3) Channels Are Required for Hypothalamic Glucose Detection and Energy Homeostasis. <i>Diabetes</i> , 2017 , 66, 314-324	0.9	21
30	Altered Glut4 mRNA levels in specific brain areas of hyperglycemic-hyperinsulinemic rats. <i>Neuroscience Letters</i> , 2001 , 308, 75-8	3.3	21
29	Short-term moderate diet restriction in adulthood can reverse oxidative, cardiovascular and metabolic alterations induced by postnatal overfeeding in mice. <i>Scientific Reports</i> , 2016 , 6, 30817	4.9	20
28	Recent Advances in the Cellular and Molecular Mechanisms of Hypothalamic Neuronal Glucose Detection. <i>Frontiers in Physiology</i> , 2017 , 8, 875	4.6	20
27	AMPK activation caused by reduced liver lactate metabolism protects against hepatic steatosis in MCT1 haploinsufficient mice. <i>Molecular Metabolism</i> , 2017 , 6, 1625-1633	8.8	17
26	Hypothalamic S-nitrosylation contributes to the counter-regulatory response impairment following recurrent hypoglycemia. <i>PLoS ONE</i> , 2013 , 8, e68709	3.7	16

25	Hypothalamic sensing of ketone bodies after prolonged cerebral exposure leads to metabolic control dysregulation. <i>Scientific Reports</i> , 2016 , 6, 34909	4.9	15
24	Systemic Delivery of Tumor-Targeted Bax-Derived Membrane-Active Peptides for the Treatment of Melanoma Tumors in a Humanized SCID Mouse Model. <i>Molecular Therapy</i> , 2017 , 25, 534-546	11.7	14
23	Method for functional study of mitochondria in rat hypothalamus. <i>Journal of Neuroscience Methods</i> , 2009 , 178, 301-7	3	12
22	Cerebral insulin increases brain response to glucose. <i>Journal of Neuroendocrinology</i> , 2003 , 15, 75-9	3.8	12
21	Cerebral gustatory activation in response to free fatty acids using gustatory evoked potentials in humans. <i>Journal of Lipid Research</i> , 2019 , 60, 661-670	6.3	10
20	Proof of concept: Effect of GLP-1 agonist on food hedonic responses and taste sensitivity in poor controlled type 2 diabetic patients. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2019 , 13, 2489-2494	8.9	10
19	Alteration of hypothalamic glucose and lactate sensing in 48h hyperglycemic rats. <i>Neuroscience Letters</i> , 2013 , 534, 75-9	3.3	10
18	Prandial States Modify the Reactivity of the Gustatory Cortex Using Gustatory Evoked Potentials in Humans. <i>Frontiers in Neuroscience</i> , 2015 , 9, 490	5.1	9
17	Mitochondrial Dynamin-Related Protein 1 (DRP1) translocation in response to cerebral glucose is impaired in a rat model of early alteration in hypothalamic glucose sensing. <i>Molecular Metabolism</i> , 2019 , 20, 166-177	8.8	9
16	Intrauterine hyperglycemia increases insulin binding sites but not glucose transporter expression in discrete brain areas in term rat fetuses. <i>Pediatric Research</i> , 2004 , 56, 263-7	3.2	8
15	Mouse Rad9b is essential for embryonic development and promotes resistance to DNA damage. <i>Developmental Dynamics</i> , 2010 , 239, 2837-50	2.9	6
14	Study of Small Intestinal Bacterial Overgrowth in a Cohort of Patients with Abdominal Symptoms Who Underwent Bariatric Surgery. <i>Obesity Surgery</i> , 2020 , 30, 2331-2337	3.7	5
13	Preference for Sucrose Solutions Modulates Taste Cortical Activity in Humans. <i>Chemical Senses</i> , 2016 , 41, 591-9	4.8	4
12	Differential Cerebral Gustatory Responses to Sucrose, Aspartame, and Stevia Using Gustatory Evoked Potentials in Humans. <i>Nutrients</i> , 2020 , 12,	6.7	3
11	Modulation of large dense core vesicle insulin content mediates rhythmic hormone release from pancreatic beta cells over the 24h cycle. <i>PLoS ONE</i> , 2018 , 13, e0193882	3.7	3
10	: Does the Glycemic Index Have a Role to Play?. <i>Nutrients</i> , 2020 , 12,	6.7	3
9	Defective autophagy in Sf1 neurons perturbs the metabolic response to fasting and causes mitochondrial dysfunction. <i>Molecular Metabolism</i> , 2021 , 47, 101186	8.8	3
8	Taste Perception and Cerebral Activity in the Human Gustatory Cortex Induced by Glucose, Fructose, and Sucrose Solutions. <i>Chemical Senses</i> , 2019 , 44, 435-447	4.8	2

7	Défecteurs de glucose et régulation de la prise alimentaire. <i>Cahiers De Nutrition Et De Dietetique</i> , 2007 , 42, 134-138	0.2	1
6	Taste of Fat and Obesity: Different Hypotheses and Our Point of View.. <i>Nutrients</i> , 2022 , 14,	6.7	1
5	Hemodialysis Affects Wanting and Spontaneous Intake of Protein-Rich Foods in Chronic Kidney Disease Patients. <i>Journal of Renal Nutrition</i> , 2021 , 31, 164-176	3	1
4	Détection cérébrale du glucose, plasticité neuronale et métabolisme énergétique. <i>Cahiers De Nutrition Et De Dietetique</i> , 2017 , 52, 19-25	0.2	
3	Role of Mitochondria in Brain Nutrient Sensing: Control of Energy Balance and Dysregulation in Obesity and Type 2 Diabetes 2019 , 245-260		
2	Animal Models and Methods to Study the Relationships Between Brain and Tissues in Metabolic Regulation 2013 , 569-593		
1	La sensibilité cérébrale au glucose. <i>Bulletin De L'Académie Nationale De Médecine</i> , 2007 , 191, 923-932	0.1	