Christophe Magnan

List of Publications by Year
in descending order

168 papers	8,075 citations	47006 47 h-index	56724 83 g-index
191 all docs	191 docs citations	191 times ranked	11688 citing authors

#	Article	IF	Citations
1	GRP78 expression inhibits insulin and ER stressâ€“induced SREBP-1c activation and reduces hepatic steatosis in mice. Journal of Clinical Investigation, 2009, 119, 1201-1215.	8.2	605
2	Free fatty acids and insulin resistance. Current Opinion in Clinical Nutrition and Metabolic Care, 2007, 10, 142-148.	2.5	369
3	mTOR Inhibition by Rapamycin Prevents Î²-Cell Adaptation to Hyperglycemia and Exacerbates the Metabolic State in Type 2 Diabetes. Diabetes, 2008, 57, 945-957.	0.6	336
4	Mitochondrial Reactive Oxygen Species Are Obligatory Signals for Glucose-Induced Insulin Secretion. Diabetes, 2009, 58, 673-681.	0.6	307
5	Palmitic acid mediates hypothalamic insulin resistance by altering PKC-Î¸ subcellular localization in rodents. Journal of Clinical Investigation, 2009, 119, 2577-2589.	8.2	289
6	Intestinal Gluconeogenesis Is a Key Factor for Early Metabolic Changes after Gastric Bypass but Not after Gastric Lap-Band in Mice. Cell Metabolism, 2008, 8, 201-211.	16.2	270
7	Portal sensing of intestinal gluconeogenesis is a mechanistic link in the diminution of food intake induced by diet protein. Cell Metabolism, 2005, 2, 321-329.	16.2	168
8	Plasma Dihydroceramides Are Diabetes Susceptibility Biomarker Candidates in Mice and Humans. Cell Reports, 2017, 18, 2269-2279.	6.4	168
9	Mitochondrial Reactive Oxygen Species Are Required for Hypothalamic Glucose Sensing. Diabetes, 2006, 55, 2084-2090.	0.6	136
10	Physiological and Pharmacological Mechanisms through which the DPP-4 Inhibitor Sitagliptin Regulates Glycemia in Mice. Endocrinology, 2011, 152, 3018-3029.	2.8	134
11	Metabolic retroconversion of trimethylamine N-oxide and the gut microbiota. Microbiome, 2018, 6, 73.	11.1	127
12	Metabolic Sensing and the Brain: Who, What, Where, and How?. Endocrinology, 2011, 152, 2552-2557.	2.8	122
13	GLUT2 Accumulation in Enterocyte Apical and Intracellular Membranes. Diabetes, 2011, 60, 2598-2607.	0.6	122
14	Palatability Can Drive Feeding Independent of AgRP Neurons. Cell Metabolism, 2015, 22, 646-657.	16.2	122
15	Effects of Oleic Acid on Distinct Populations of Neurons in the Hypothalamic Arcuate Nucleus Are Dependent on Extracellular Glucose Levels. Journal of Neurophysiology, 2006, 95, 1491-1498.	1.8	119
16	Characteristics and mechanisms of hypothalamic neuronal fatty acid sensing. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R655-R664.	1.8	119
17	Hypoglycemia-Activated GLUT2 Neurons of the Nucleus Tractus Solitarius Stimulate Vagal Activity and Glucagon Secretion. Cell Metabolism, 2014, 19, 527-538.	16.2	114
18	Brain Glucagon-Like Peptide-1 Regulates Arterial Blood Flow, Heart Rate, and Insulin Sensitivity. Diabetes, 2008, 57, 2577-2587.	0.6	107

#	Article	IF	Citations
19	Fasting Imparts a Switch to Alternative Daily Pathways in Liver and Muscle. Cell Reports, 2018, 25, 3299-3314.e6.	6.4	106
20	Hypothalamic AgRP-neurons control peripheral substrate utilization and nutrient partitioning. EMBO Journal, 2012, 31, 4276-4288.	7.8	105
21	Insulin Internalizes GLUT2 in the Enterocytes of Healthy but Not Insulin-Resistant Mice. Diabetes, 2008, 57, 555-562.	0.6	99
22	Ventromedial Hypothalamic Nitric Oxide Production Is Necessary for Hypoglycemia Detection and Counterregulation. Diabetes, 2010, 59, 519-528.	0.6	95
23	Lipid infusion lowers sympathetic nervous activity and leads to increased Î²-cell responsiveness to glucose. Journal of Clinical Investigation, 1999, 103, 413-419.	8.2	90
24	Functional pancreatic beta-cell mass: Involvement in type 2 diabetes and therapeutic intervention. Diabetes and Metabolism, 2009, 35, 77-84.	2.9	88
25	Glucose-Induced Preproinsulin Gene Expression Is Inhibited by the Free Fatty Acid Palmitate¹. Endocrinology, 1999, 140, 4005-4014.	2.8	87
26	Glucose-Induced O2 Consumption Activates Hypoxia Inducible Factors 1 and 2 in Rat Insulin-Secreting Pancreatic Beta-Cells. PLoS ONE, 2012, 7, e29807.	2.5	80
27	FAT/CD36: A Major Regulator of Neuronal Fatty Acid Sensing and Energy Homeostasis in Rats and Mice. Diabetes, 2013, 62, 2709-2716.	0.6	72
28	Vasopressin and hydration play a major role in the development of glucose intolerance and hepatic steatosis in obese rats. Diabetologia, 2015, 58, 1081-1090.	6.3	70
29	Brain lipid sensing and the neural control of energy balance. Molecular and Cellular Endocrinology, 2015, 418, 3-8.	3.2	68
30	Estradiol Regulates Energy Balance by Ameliorating Hypothalamic Ceramide-Induced ER Stress. Cell Reports, 2018, 25, 413-423.e5.	6.4	68
31	Sequence Assembly of Yarrowia lipolytica Strain W29/CLIB89 Shows Transposable Element Diversity. PLoS ONE, 2016, 11, e0162363.	2.5	68
32	Acyl-CoA-Binding Protein Is a Lipogenic Factor that Triggers Food Intake and Obesity. Cell Metabolism, 2019, 30, 754-767.e9.	16.2	67
33	Pancreatic beta-cell regeneration after 48-h glucose infusion in mildly diabetic rats is not correlated with functional improvement. Diabetes, 1998, 47, 1058-1065.	0.6	66
34	Beta oxidation in the brain is required for the effects of non-esterified fatty acids on glucose-induced insulin secretion in rats. Diabetologia, 2004, 47, 2032-2038.	6.3	66
35	Beige differentiation of adipose depots in mice lacking prolactin receptor protects against highâ€fatâ€dietâ€induced obesity. FASEB Journal, 2012, 26, 3728-3737.	0.5	65
36	Oxidative Stress Contributes to Aging by Enhancing Pancreatic Angiogenesis and Insulin Signaling. Cell Metabolism, 2008, 7, 113-124.	16.2	64

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37	Nervous glucose sensing regulates postnatal Î² cell proliferation and glucose homeostasis. Journal of Clinical Investigation, 2014, 124, 413-424.	8.2	62
38	Disruption of Lipid Uptake in Astroglia Exacerbates Diet-Induced Obesity. Diabetes, 2017, 66, 2555-2563.	0.6	59
39	Enhanced Hypothalamic Glucose Sensing in Obesity: Alteration of Redox Signaling. Diabetes, 2009, 58, 2189-2197.	0.6	58
40	Psammomys Obesus, a Model for Environment-Gene Interactions in Type 2 Diabetes. Diabetes, 2005, 54, S137-S144.	0.6	57
41	Comparative effects of Citrullus colocynthis, sunflower and olive oil-enriched diet in streptozotocin-induced diabetes in rats. Diabetes and Metabolism, 2009, 35, 178-184.	2.9	56
42	ClusterCAD: a computational platform for type I modular polyketide synthase design. Nucleic Acids Research, 2018, 46, D509-D515.	14.5	55
43	Dietary triglycerides act on mesolimbic structures to regulate the rewarding and motivational aspects of feeding. Molecular Psychiatry, 2014, 19, 1095-1105.	7.9	54
44	F-DIO obesity-prone rat is insulin resistant before obesity onset. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R704-R711.	1.8	52
45	Inhibition of central de novo ceramide synthesis restores insulin signaling in hypothalamus and enhances Î²-cell function of obese Zucker rats. Molecular Metabolism, 2018, 8, 23-36.	6.5	51
46	The central nervous system at the core of the regulation of energy homeostasis. Frontiers in Bioscience - Scholar, 2009, S1, 448-465.	2.1	51
47	Hypothalamic integration of portal glucose signals and control of food intake and insulin sensitivity. Diabetes and Metabolism, 2010, 36, 257-262.	2.9	50
48	GDH-Dependent Glutamate Oxidation in the Brain Dictates Peripheral Energy Substrate Distribution. Cell Reports, 2015, 13, 365-375.	6.4	49
49	Early changes in insulin secretion and action induced by high-fat diet are related to a decreased sympathetic tone. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E148-E154.	3.5	48
50	Brain lipid sensing and nervous control of energy balance. Diabetes and Metabolism, 2011, 37, 83-88.	2.9	48
51	Hippocampal lipoprotein lipase regulates energy balance in rodents. Molecular Metabolism, 2014, 3, 167-176.	6.5	47
52	Long-Term Results After Laparoscopic Adjustable Gastric Banding for Morbid Obesity: 18-Year Follow-Up in a Single University Unit. Obesity Surgery, 2017, 27, 630-640.	2.1	47
53	Intestinal gluconeogenesis: key signal of central control of energy and glucose homeostasis. Current Opinion in Clinical Nutrition and Metabolic Care, 2009, 12, 419-423.	2.5	46
54	Targeting sphingolipid metabolism in the treatment of obesity/type 2 diabetes. Expert Opinion on Therapeutic Targets, 2015, 19, 1037-1050.	3.4	46

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55	Fatty acid sensing andÂnervous control ofÂenergy homeostasis. Diabetes and Metabolism, 2007, 33, 177-182.	2.9	45
56	Lipid sensing in the brain and regulation of energy balance. Diabetes and Metabolism, 2014, 40, 29-33.	2.9	45
57	Sorcin Links Pancreatic Î²-Cell Lipotoxicity to ER Ca2+ Stores. Diabetes, 2016, 65, 1009-1021.	0.6	45
58	Leptin Receptor-Deficient Obese Zucker Rats Reduce Their Food Intake in Response to a Systemic Supply of Calories From Glucose. Diabetes, 2003, 52, 277-282.	0.6	44
59	Molecular phenotyping of multiple mouse strains under metabolic challenge uncovers a role for Elovl2 in glucose-induced insulin secretion. Molecular Metabolism, 2017, 6, 340-351.	6.5	42
60	Intracerebroventricular infusion of a triglyceride emulsion leads to both altered insulin secretion and hepatic glucose production in rats. Pflugers Archiv European Journal of Physiology, 2002, 445, 375-380.	2.8	40
61	The Zinc Transporter Slc30a8/ZnT8 Is Required in a Subpopulation of Pancreatic Î±-Cells for Hypoglycemia-induced Glucagon Secretion. Journal of Biological Chemistry, 2015, 290, 21432-21442.	3.4	40
62	Involvement of the autonomic nervous system in the in vivo memory to glucose of pancreatic beta cell in rats.. Journal of Clinical Investigation, 1994, 94, 1456-1462.	8.2	40
63	Altered Activity of the Autonomous Nervous System as a Determinant of the Impaired Î²-Cell Secretory Response after Protein-Energy Restriction in the Rat*. Endocrinology, 1998, 139, 3382-3389.	2.8	39
64	Exploring Functional Î²-Cell Heterogeneity In Vivo Using PSA-NCAM as a Specific Marker. PLoS ONE, 2009, 4, e5555.	2.5	39
65	Roles of Sphingolipid Metabolism in Pancreatic Î² Cell Dysfunction Induced by Lipotoxicity. Journal of Clinical Medicine, 2014, 3, 646-662.	2.4	39
66	Mitochondrial Mutations in Subjects with Psychiatric Disorders. PLoS ONE, 2015, 10, e0127280.	2.5	39
67	Adiponectin is required to mediate rimonabant-induced improvement of insulin sensitivity but not body weight loss in diet-induced obese mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R929-R935.	1.8	37
68	Unsaturated Fatty Acids Stimulate LH Secretion via Novel PKCÎµ and -Î¸ in Gonadotrope Cells and Inhibit GnRH-Induced LH Release. Endocrinology, 2011, 152, 3905-3916.	2.8	37
69	Stearoyl CoA desaturase is a gatekeeper that protects human beta cells against lipotoxicity and maintains their identity. Diabetologia, 2020, 63, 395-409.	6.3	37
70	Dominant gut Prevotella copri in gastrectomised non-obese diabetic Gotoâ€“Kakizaki rats improves glucose homeostasis through enhanced FXR signalling. Diabetologia, 2020, 63, 1223-1235.	6.3	37
71	The Transcription Factor COUP-TFII Is Negatively Regulated by Insulin and Glucose via Foxo1- and ChREBP-Controlled Pathways. Molecular and Cellular Biology, 2008, 28, 6568-6579.	2.3	35
72	Adipocyte Glucocorticoid Receptor Deficiency Promotes Adipose Tissue Expandability and Improves the Metabolic Profile Under Corticosterone Exposure. Diabetes, 2019, 68, 305-317.	0.6	35

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73	The Natural Metabolite 4-Cresol Improves Glucose Homeostasis and Enhances Î²-Cell Function. Cell Reports, 2020, 30, 2306-2320.e5.	6.4	35
74	Effects of maternal genotype and diet on offspring glucose and fatty acid-sensing ventromedial hypothalamic nucleus neurons. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R1351-R1357.	1.8	34
75	What can bariatric surgery teach us about the pathophysiology of type 2 diabetes?. Diabetes and Metabolism, 2009, 35, 499-507.	2.9	34
76	Protective role of the ELOVL2/docosahexaenoic acid axis in glucolipotoxicity-induced apoptosis in rodent beta cells and human islets. Diabetologia, 2018, 61, 1780-1793.	6.3	32
77	Glucose-Induced Insulin Hypersecretion in Lipid-Infused Healthy Subjects Is Associated with a Decrease in Plasma Norepinephrine Concentration and Urinary Excretion. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 4901-4907.	3.6	31
78	Mir-132/212 is required for maturation of binocular matching of orientation preference and depth perception. Nature Communications, 2017, 8, 15488.	12.8	31
79	Glucose-Induced Preproinsulin Gene Expression Is Inhibited by the Free Fatty Acid Palmitate. Endocrinology, 1999, 140, 4005-4014.	2.8	31
80	Glucose Regulates Proinsulin and Prosomatostatin But Not Proglucagon Messenger Ribonucleic Acid Levels in Rat Pancreatic Islets¹. Endocrinology, 2000, 141, 174-180.	2.8	30
81	Brain lipoprotein lipase as a regulator of energy balance. Biochimie, 2017, 143, 51-55.	2.6	30
82	Multilevel control of glucose homeostasis by adenylyl cyclase 8. Diabetologia, 2015, 58, 749-757.	6.3	29
83	Interleukin-7 Regulates Adipose Tissue Mass and Insulin Sensitivity in High-Fat Diet-Fed Mice through Lymphocyte-Dependent and Independent Mechanisms. PLoS ONE, 2012, 7, e40351.	2.5	29
84	Chronic free fatty acid infusion in rats results in insulin resistance but no alteration in insulin-responsive glucose transporter levels in skeletal muscle. Lipids, 1996, 31, 1141-1149.	1.7	26
85	Fatty Acid Transporter CD36 Mediates Hypothalamic Effect of Fatty Acids on Food Intake in Rats. PLoS ONE, 2013, 8, e74021.	2.5	26
86	Insulin, But Not Glucose Lowering Corrects the Hyperglucagonemia and Increased Proglucagon Messenger Ribonucleic Acid Levels Observed in Insulinopenic Diabetes**This work was supported by the Swiss National Fund (Grant 32â€“46816.96 to J.P. and Grant 32â€“34086.95 to P.M.), the Institute for Human Genetics and Biochemistry, the Nalˆgeli Wolfermann Foundation, the Horten Foundation, and the Juvenile Diabetes Foundation International (Grant 197124).. Endocrinology, 1998, 139, 4540-4546.	2.8	25
87	Glucolipotoxicity Impairs Ceramide Flow from the Endoplasmic Reticulum to the Golgi Apparatus in INS-1 Î²-Cells. PLoS ONE, 2014, 9, e110875.	2.5	25
88	Role of Hypothalamic Melanocortin System in Adaptation of Food Intake to Food Protein Increase in Mice. PLoS ONE, 2011, 6, e19107.	2.5	24
89	Altered Glut4 mRNA levels in specific brain areas of hyperglycemic-hyperinsulinemic rats. Neuroscience Letters, 2001, 308, 75-78.	2.1	23
90	The suppressor of cytokine signalling 2 (SOCS2) is a key repressor of insulin secretion. Diabetologia, 2010, 53, 1935-1946.	6.3	23

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91	LKB1 and AMPKÎ±1 are required in pancreatic alpha cells for the normal regulation of glucagon secretion and responses to hypoglycemia. Molecular Metabolism, 2015, 4, 277-286.	6.5	23
92	Lipoprotein lipase in hypothalamus is a key regulator of body weight gain and glucose homeostasis in mice. Diabetologia, 2017, 60, 1314-1324.	6.3	23
93	Deciphering the Link Between Hyperhomocysteinemia and Ceramide Metabolism in Alzheimer-Type Neurodegeneration. Frontiers in Neurology, 2019, 10, 807.	2.4	22
94	Old Paradoxes and New Opportunities for Appetite Control in Obesity. Trends in Endocrinology and Metabolism, 2021, 32, 264-294.	7.1	22
95	Dysregulation of energy homeostasis in mice overexpressing insulin-like growth factor-binding protein 6 in the brain. Diabetologia, 2005, 48, 1189-1197.	6.3	21
96	Physiological and pathophysiological implications of lipid sensing in the brain. Diabetes, Obesity and Metabolism, 2014, 16, 49-55.	4.4	21
97	Increased levels of inflammatory plasma markers and obesity risk in a mouse model of Down syndrome. Free Radical Biology and Medicine, 2018, 114, 122-130.	2.9	21
98	Importance of the gutâ€“brain axis in the control of glucose homeostasis. Current Opinion in Pharmacology, 2006, 6, 592-597.	3.5	20
99	Over-expression of Slc30a8/ZnT8 selectively in the mouse Î± cell impairs glucagon release and responses to hypoglycemia. Nutrition and Metabolism, 2016, 13, 46.	3.0	20
100	Hepatitis C virus induces a prediabetic state by directly impairing hepatic glucose metabolism in mice. Journal of Biological Chemistry, 2017, 292, 12860-12873.	3.4	20
101	Laparoscopic Adjustable Gastric Banding: Predictive Factors for Weight Loss and Band Removal After More than 10 Yearsâ€™ Followâ€Up in a Single University Unit. World Journal of Surgery, 2017, 41, 2078-2086.	1.6	20
102	Pancreatic alpha cell-selective deletion of Tcf7l2 impairs glucagon secretion and counter-regulatory responses to hypoglycaemia in mice. Diabetologia, 2017, 60, 1043-1050.	6.3	18
103	Odor-Induced Neuronal Rhythms in the Olfactory Bulb Are Profoundly Modified in ob/ob Obese Mice. Frontiers in Physiology, 2017, 8, 2.	2.8	18
104	Targeting lipid sensing in the central nervous system: new therapy against the development of obesity and type 2 diabetes. Expert Opinion on Therapeutic Targets, 2013, 17, 545-555.	3.4	17
105	Overexpression of the DYRK1A Gene (Dual-Specificity Tyrosine Phosphorylation-Regulated Kinase 1A) Induces Alterations of the Serotoninergic and Dopaminergic Processing in Murine Brain Tissues. Molecular Neurobiology, 2018, 55, 3822-3831.	4.0	17
106	Plasma triacylglycerols are biomarkers of Î²-cell function in mice and humans. Molecular Metabolism, 2021, 54, 101355.	6.5	17
107	The cephalic phase of insulin release is modulated by IL-1Î². Cell Metabolism, 2022, 34, 991-1003.e6.	16.2	17
108	Dietary supplementation with Agaricus blazei murill extract prevents dietâ€induced obesity and insulin resistance in rats. Obesity, 2013, 21, 553-561.	3.0	16

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109	Metabolic and psychiatric effects of acyl coenzyme A binding protein (ACBP)/diazepam binding inhibitor (DBI). Cell Death and Disease, 2020, 11, 502.	6.3	16
110	Olfaction in the context of obesity and diabetes: Insights from animal models to humans. Neuropharmacology, 2022, 206, 108923.	4.1	16
111	New roles for prokineticin 2 in feeding behavior, insulin resistance and type 2 diabetes: Studies in mice and humans. Molecular Metabolism, 2019, 29, 182-196.	6.5	15
112	Pancreatic Î²-cell Î±2A adrenoceptor and phospholipid changes in hyperlipidemic ratsadrenoceptor and phospholipid changes in hyperlipidemic rats. Lipids, 2002, 37, 501-506.	1.7	14
113	Deregulation of Hepatic Insulin Sensitivity Induced by Central Lipid Infusion in Rats Is Mediated by Nitric Oxide. PLoS ONE, 2009, 4, e6649.	2.5	14
114	Fostering improved human islet research: a European perspective. Diabetologia, 2019, 62, 1514-1516.	6.3	13
115	Dietary triglycerides as signaling molecules that influence reward and motivation. Current Opinion in Behavioral Sciences, 2016, 9, 126-135.	3.9	12
116	Endospanin1 affects oppositely body weight regulation and glucose homeostasis by differentially regulating central leptin signaling. Molecular Metabolism, 2017, 6, 159-172.	6.5	11
117	Use of preclinical models to identify markers of type 2 diabetes susceptibility and novel regulators of insulin secretion â€“ A step towards precision medicine. Molecular Metabolism, 2019, 27, S147-S154.	6.5	11
118	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. Molecular Metabolism, 2019, 20, 166-177.	6.5	11
119	Structure, self-assembly, and properties of a truncated reflectin variant. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32891-32901.	7.1	11
120	Intrauterine Hyperglycemia Increases Insulin Binding Sites but Not Glucose Transporter Expression in Discrete Brain Areas in Term Rat Fetuses. Pediatric Research, 2004, 56, 263-267.	2.3	10
121	Unsaturated Fatty Acids Disrupt Smad Signaling in Gonadotrope Cells Leading to Inhibition of FSHÎ² Gene Expression. Endocrinology, 2014, 155, 592-604.	2.8	10
122	Cell type-specific deletion in mice reveals roles for PAS kinase in insulin and glucagon production. Diabetologia, 2016, 59, 1938-1947.	6.3	10
123	Lixisenatide requires a functional gut-vagus nerve-brain axis to trigger insulin secretion in controls and type 2 diabetic mice. American Journal of Physiology - Renal Physiology, 2018, 315, G671-G684.	3.4	10
124	The glutamate receptor GluK2 contributes to the regulation of glucose homeostasis and its deterioration during aging. Molecular Metabolism, 2019, 30, 152-160.	6.5	10
125	Lipid excess affects chaperone-mediated autophagy in hypothalamus. Biochimie, 2020, 176, 110-116.	2.6	10
126	Obesity in Midlife Hampers Resting and Sensoryâ€Evoked Cerebral Blood Flow in Mice. Obesity, 2021, 29, 150-158.	3.0	10

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127	Role of hypothalamic de novo ceramides synthesis in obesity and associated metabolic disorders. Molecular Metabolism, 2021, 53, 101298.	6.5	10
128	Altered Activity of the Autonomous Nervous System as a Determinant of the Impaired Â-Cell Secretory Response after Protein-Energy Restriction in the Rat. Endocrinology, 1998, 139, 3382-3389.	2.8	10
129	S26948, a new specific peroxisome proliferator activated receptor gamma modulator improved in vivo hepatic insulin sensitivity in 48Âh lipid infused rats. European Journal of Pharmacology, 2009, 608, 104-111.	3.5	9
130	Incretin Effect of Glucagon-Like Peptide 1 Receptor Agonist Is Preserved in Presence of ABCC8/SUR1 Mutation in Î²-Cell. Diabetes Care, 2012, 35, e76-e76.	8.6	9
131	Insulin, But Not Glucose Lowering Corrects the Hyperglucagonemia and Increased Proglucagon Messenger Ribonucleic Acid Levels Observed in Insulinopenic Diabetes. Endocrinology, 1998, 139, 4540-4546.	2.8	9
132	Lipid-Induced Peroxidation in the Intestine Is Involved in Glucose Homeostasis Imbalance in Mice. PLoS ONE, 2011, 6, e21184.	2.5	9
133	Farnesoid X Receptor Activation in Brain Alters Brown Adipose Tissue Function via the Sympathetic System. Frontiers in Molecular Neuroscience, 2021, 14, 808603.	2.9	9
134	Interaction of low dose of fish oil and glucocorticoids on insulin sensitivity and lipolysis in healthy humans: A randomized controlled study. Molecular Nutrition and Food Research, 2016, 60, 886-896.	3.3	8
135	The Constitutive Lack of Î±7 Nicotinic Receptor Leads to Metabolic Disorders in Mouse. Biomolecules, 2020, 10, 1057.	4.0	8
136	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. EBioMedicine, 2020, 58, 102895.	6.1	8
137	Sexually dimorphic roles for the type 2 diabetes-associated C2cd4b gene in murine glucose homeostasis. Diabetologia, 2021, 64, 850-864.	6.3	7
138	Lipoprotein Lipase Expression in Hypothalamus Is Involved in the Central Regulation of Thermogenesis and the Response to Cold Exposure. Frontiers in Endocrinology, 2018, 9, 103.	3.5	6
139	Alterations in the Serotonin and Dopamine Pathways by Cystathionine Beta Synthase Overexpression in Murine Brain. Molecular Neurobiology, 2019, 56, 3958-3971.	4.0	6
140	Glucose Regulates Proinsulin and Prosomatostatin But Not Proglucagon Messenger Ribonucleic Acid Levels in Rat Pancreatic Islets. Endocrinology, 2000, 141, 174-180.	2.8	5
141	Homocysteine Metabolism Pathway Is Involved in the Control of Glucose Homeostasis: A Cystathionine Beta Synthase Deficiency Study in Mouse. Cells, 2022, 11, 1737.	4.1	5
142	Multiple speckle exposure imaging for the study of blood flow changes induced by functional activation of barrel cortex and olfactory bulb in mice. Neurophotonics, 2019, 6, 1.	3.3	4
143	LipotoxicitÃ© etÂinsulinorÃ©sistance. Nutrition Clinique Et Metabolisme, 2006, 20, 108-113.	0.5	3
144	Dairy consumption is associated with lower plasma dihydroceramides in women from the D.E.S.I.R. cohort. Diabetes and Metabolism, 2020, 46, 144-149.	2.9	3

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145	Pleiotropic effects of prokineticin 2 in the control of energy metabolism. Biochimie, 2021, 186, 73-81.	2.6	3
146	GTTs and ITTs: aim for shorter fasting times. Nature Metabolism, 2021, 3, 1133-1133.	11.9	3
147	Ovarian insufficiency impairs glucose-stimulated insulin secretion through activation of hypothalamic de novo ceramide synthesis. Metabolism: Clinical and Experimental, 2021, 123, 154846.	3.4	3
148	Palmitic acid mediates hypothalamic insulin resistance by altering PKC-Î¸ subcellular localization in rodents. Journal of Clinical Investigation, 2010, 120, 394-394.	8.2	3
149	La nÃ©oglucogenÃ¨se intestinale: un nouvel acteur du contrÃ´le de la prise alimentaire. Cahiers De Nutrition Et De Dietetique, 2006, 41, 211-215.	0.3	2
150	1164 INDUCTION OF A PREDIABETIC STATE IN TRANSGENIC MICE EXPRESSING THE HCV PROTEINS. Journal of Hepatology, 2013, 58, S473-S474.	3.7	2
151	Identification of the Interactions Interference Between the PH and START Domain of CERT by Limonoid and HPA Inhibitors. Frontiers in Molecular Biosciences, 2020, 7, 603983.	3.5	2
152	Regenerating islet-derived protein 3Î±: A promising therapy for diabetes. Preliminary data in rodents and in humans. Heliyon, 2022, 8, e09944.	3.2	2
153	Les acides gras : molÃ©cules informatives du contrÃ´le nerveux de lâ€™homÃ©ostasie Ã©nergÃ©tique. Cahiers De Nutrition Et De Dietetique, 2007, 42, 139-145.	0.3	1
154	Dietary Supplementation With Agaricus Blazei Murill Extract Prevents Diet-Induced Obesity and Insulin Resistance in Rats. Obesity, 0, , .	3.0	1
155	Palmitic acid mediates hypothalamic insulin resistance by altering PKC-Î¸ subcellular localization in rodents. Journal of Clinical Investigation, 2011, 121, 456-456.	8.2	1
156	1064-P: The Human Recombinant REG3A Protein ALF-5755 Restores Glucose Homeostasis and Insulin Sensitivity in High-Fat Fed Mice and in Ob/Ob Mice. Diabetes, 2020, 69, .	0.6	1
157	Portal Glucose Infusion, Afferent Nerve Fibers, and Glucose and Insulin Tolerance of Insulin-Resistant Rats. Journal of Nutrition, 2022, 152, 1862-1871.	2.9	1
158	Les signaux de la rÃ©gulation du comportement alimentaire. Obesite, 2008, 3, 167-176.	0.1	0
159	Differential Effect of Fatty Acids in Nervous Control of Energy Balance. , 0, , .		0
160	RÃ´le de la sphingosine kinase 1 dans lâ€™apoptose des cellules Î² pancrÃ©atiques induite par la glucolipotoxicitÃ©. Diabetes and Metabolism, 2017, 43, A5.	2.9	0
161	NeuroplasticitÃ© cÃ©rÃ©brale et rÃ©gulation de la balance Ã©nergÃ©tique. Cahiers De Nutrition Et De Dietetique, 2017, 52, 329-335.	0.3	0
162	The Cephalic Phase of Insulin Release is Modulated by Il-1Î². SSRN Electronic Journal, 0, , .	0.4	0

#	Article	IF	Citations
163	38-OR: Deletion of the Mitofusins 1 and 2 (Mfn1 and Mfn2) from the Pancreatic Beta Cell Disrupts Mitochondrial Structure and Impairs Glucose-, but Not Incretin-, Stimulated Insulin Secretion. Diabetes, 2021, 70, 38-OR.	0.6	0
164	Editorial for special issue on â€œEndocrinology of adipokinesâ€œ. Molecular and Cellular Endocrinology, 2022, 539, 111498.	3.2	0
165	Wide field speckle imaging for the investigation of cerebral blood flow in vivo in murine model of obesity. , 2019, , .		0
166	1955-P: Interleukin-1ÃŸ Orchestrates Nonâ€“Glucose Dependent Cephalic Phase Insulin Release in Health and Obesity. Diabetes, 2020, 69, 1955-P.	0.6	0
167	Regenerating Islet-Derived Protein 3Î±: A Promising Therapy for Diabetes. Preliminary Data in Rodents and in Humans. SSRN Electronic Journal, 0, , .	0.4	0
168	Disruption of Pituitary Gonadotrope Activity in Male Rats After Short- or Long-Term High-Fat Diets Is Not Associated With Pituitary Inflammation. Frontiers in Endocrinology, 2022, 13, 877999.	3.5	0