

Isabelle Leclerc

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7202440/isabelle-leclerc-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

70
papers

2,669
citations

28
h-index

51
g-index

84
ext. papers

2,959
ext. citations

4.6
avg, IF

4.55
L-index

#	Paper	IF	Citations
70	Roles of 5TAMP-activated protein kinase (AMPK) in mammalian glucose homoeostasis. <i>Biochemical Journal</i> , 2003 , 375, 1-16	3.8	288
69	Role for AMP-activated protein kinase in glucose-stimulated insulin secretion and preproinsulin gene expression. <i>Biochemical Journal</i> , 2003 , 371, 761-74	3.8	235
68	Role of AMP-activated protein kinase in the regulation by glucose of islet beta cell gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 4023-8	11.5	188
67	Loss of brain volume in endogenous Cushing's syndrome and its reversibility after correction of hypercortisolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 1949-54	5.6	146
66	Metformin, but not leptin, regulates AMP-activated protein kinase in pancreatic islets: impact on glucose-stimulated insulin secretion. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004 , 286, E1023-31	6	127
65	Impaired glucose homeostasis in transgenic mice expressing the human transient neonatal diabetes mellitus locus, TNDM. <i>Journal of Clinical Investigation</i> , 2004 , 114, 339-348	15.9	108
64	The 5TAMP-activated protein kinase inhibits the transcriptional stimulation by glucose in liver cells, acting through the glucose response complex. <i>FEBS Letters</i> , 1998 , 431, 180-4	3.8	107
63	Over-expression of sterol-regulatory-element-binding protein-1c (SREBP1c) in rat pancreatic islets induces lipogenesis and decreases glucose-stimulated insulin release: modulation by 5-aminoimidazole-4-carboxamide ribonucleoside (AICAR). <i>Biochemical Journal</i> , 2004 , 378, 769-78	3.8	88
62	Ablation of AMP-activated protein kinase alpha1 and alpha2 from mouse pancreatic beta cells and RIP2.Cre neurons suppresses insulin release in vivo. <i>Diabetologia</i> , 2010 , 53, 924-36	10.3	86
61	Over-expression of AMP-activated protein kinase impairs pancreatic {beta}-cell function in vivo. <i>Journal of Endocrinology</i> , 2005 , 187, 225-35	4.7	83
60	5TAMP-activated protein kinase controls insulin-containing secretory vesicle dynamics. <i>Journal of Biological Chemistry</i> , 2003 , 278, 52042-51	5.4	82
59	Stimulation of AMP-activated protein kinase is essential for the induction of drug metabolizing enzymes by phenobarbital in human and mouse liver. <i>Molecular Pharmacology</i> , 2006 , 70, 1925-34	4.3	77
58	Leader cells coordinate Ca dynamics across pancreatic islets in vivo. <i>Nature Metabolism</i> , 2019 , 1, 615-629	4.6	70
57	Hypothalamic AMP-activated protein kinase regulates glucose production. <i>Diabetes</i> , 2010 , 59, 2435-43	0.9	68
56	ChREBP binding to fatty acid synthase and L-type pyruvate kinase genes is stimulated by glucose in pancreatic beta-cells. <i>Journal of Lipid Research</i> , 2006 , 47, 2482-91	6.3	68
55	AMP-activated protein kinase: a new beta-cell glucose sensor?: Regulation by amino acids and calcium ions. <i>Diabetes</i> , 2004 , 53 Suppl 3, S67-74	0.9	67
54	The AMP-regulated kinase family: enigmatic targets for diabetes therapy. <i>Molecular and Cellular Endocrinology</i> , 2009 , 297, 41-9	4.4	64

53	LKB1 deletion with the RIP2.Cre transgene modifies pancreatic beta-cell morphology and enhances insulin secretion in vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 298, E1261-73	6.1	61
52	Impaired glucose homeostasis in transgenic mice expressing the human transient neonatal diabetes mellitus locus, TNDM. <i>Journal of Clinical Investigation</i> , 2004 , 114, 339-48	15.9	56
51	Carbohydrate-responsive element-binding protein (ChREBP) is a negative regulator of ARNT/HIF-1beta gene expression in pancreatic islet beta-cells. <i>Diabetes</i> , 2010 , 59, 153-60	0.9	53
50	Decreased STARD10 Expression Is Associated with Defective Insulin Secretion in Humans and Mice. <i>American Journal of Human Genetics</i> , 2017 , 100, 238-256	11	50
49	AMP-activated protein kinase regulates glucagon secretion from mouse pancreatic alpha cells. <i>Diabetologia</i> , 2011 , 54, 125-34	10.3	41
48	Glucose-induced nuclear shuttling of ChREBP is mediated by sorcin and Ca(2+) ions in pancreatic beta cells. <i>Diabetes</i> , 2012 , 61, 574-85	0.9	38
47	The transcription factor is required for pancreatic beta cell identity, glucose-regulated ATP synthesis, and Ca dynamics in adult mice. <i>Journal of Biological Chemistry</i> , 2017 , 292, 8892-8906	5.4	34
46	Sorcin Links Pancreatic beta Cell Lipotoxicity to ER Ca2+ Stores. <i>Diabetes</i> , 2016 , 65, 1009-21	0.9	32
45	Expression of COUP-TFII in metabolic tissues during development. <i>Mechanisms of Development</i> , 2002 , 119, 109-14	1.7	32
44	Local and regional control of calcium dynamics in the pancreatic islet. <i>Diabetes, Obesity and Metabolism</i> , 2017 , 19 Suppl 1, 30-41	6.7	29
43	MiR-184 expression is regulated by AMPK in pancreatic islets. <i>FASEB Journal</i> , 2018 , 32, 2587-2600	0.9	28
42	Impact of adenoviral transduction with SREBP1c or AMPK on pancreatic islet gene expression profile: analysis with oligonucleotide microarrays. <i>Diabetes</i> , 2004 , 53 Suppl 3, S84-91	0.9	27
41	Remote control of glucose homeostasis in vivo using photopharmacology. <i>Scientific Reports</i> , 2017 , 7, 291	4.9	23
40	RIP2-mediated LKB1 deletion causes axon degeneration in the spinal cord and hind-limb paralysis. <i>DMM Disease Models and Mechanisms</i> , 2011 , 4, 193-202	4.1	22
39	ChREBP regulates Pdx-1 and other glucose-sensitive genes in pancreatic beta cells. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 402, 252-7	3.4	19
38	The relationship between p38 mitogen-activated protein kinase and AMP-activated protein kinase during myocardial ischemia. <i>Cardiovascular Research</i> , 2007 , 76, 465-72	9.9	18
37	The pore-forming subunit MCU of the mitochondrial Ca uniporter is required for normal glucose-stimulated insulin secretion in vitro and in vivo in mice. <i>Diabetologia</i> , 2020 , 63, 1368-1381	10.3	16
36	Role of AMP-activated protein kinase in the regulation of gene transcription. <i>Biochemical Society Transactions</i> , 2002 , 30, 307-311	5.1	15

35	Transcription factor-7-like 2 () gene acts downstream of the / kinase to control mTOR signaling, cell growth, and insulin secretion. <i>Journal of Biological Chemistry</i> , 2018 , 293, 14178-14189	5.4	15
34	Control of insulin granule dynamics by AMPK dependent KLC1 phosphorylation. <i>Islets</i> , 2009 , 1, 198-209	2	14
33	AMP- and stress-activated protein kinases: key regulators of glucose-dependent gene transcription in mammalian cells?. <i>Progress in Molecular Biology and Translational Science</i> , 2002 , 71, 69-90		13
32	The type 2 diabetes gene product STARD10 is a phosphoinositide-binding protein that controls insulin secretory granule biogenesis. <i>Molecular Metabolism</i> , 2020 , 40, 101015	8.8	10
31	No change in glucose tolerance and substrate oxidation after a high-carbohydrate, low-fat diet. <i>Metabolism: Clinical and Experimental</i> , 1993 , 42, 365-70	12.7	10
30	Roles of Ca ²⁺ ions in the control of ChREBP nuclear translocation. <i>Journal of Endocrinology</i> , 2012 , 213, 115-22	4.7	9
29	Cell-wide analysis of secretory granule dynamics in three dimensions in living pancreatic beta-cells: evidence against a role for AMPK-dependent phosphorylation of KLC1 at Ser517/Ser520 in glucose-stimulated insulin granule movement. <i>Biochemical Society Transactions</i> , 2010 , 38, 205-8	5.1	7
28	Adipocyte-specific deletion of Tcf7l2 induces dysregulated lipid metabolism and impairs glucose tolerance in mice. <i>Diabetologia</i> , 2021 , 64, 129-141	10.3	6
27	The long non-coding RNA Pax6os1/PAX6-AS1 modulates pancreatic cell identity and function		5
26	Synthesis and in vivo behaviour of an exendin-4-based MRI probe capable of cell-dependent contrast enhancement in the pancreas. <i>Dalton Transactions</i> , 2020 , 49, 4732-4740	4.3	4
25	Imaging Glucose-Regulated Insulin Secretion and Gene Expression in Single Islet Cells: Control by AMP-Activated Protein Kinase. <i>Cell Biochemistry and Biophysics</i> , 2004 , 40, 179-190	3.2	4
24	Manipulation and Measurement of AMPK Activity in Pancreatic Islets. <i>Methods in Molecular Biology</i> , 2018 , 1732, 413-431	1.4	3
23	Mitofusins Mfn1 and Mfn2 are required to preserve glucose-but not incretin- stimulated beta cell connectivity and insulin secretion		3
22	Sexually dimorphic roles for the type 2 diabetes-associated C2cd4b gene in murine glucose homeostasis. <i>Diabetologia</i> , 2021 , 64, 850-864	10.3	3
21	Present and potential future use of gene therapy for the treatment of non-insulin dependent diabetes mellitus (Review). <i>International Journal of Molecular Medicine</i> , 1999 , 4, 585-92	4.4	2
20	2183-P: miR-125b Is Regulated by Glucose via AMPK and Impairs Cell Function. <i>Diabetes</i> , 2019 , 68, 2183-2189	6.9	2
19	Intravital imaging of islet Ca ²⁺ dynamics reveals enhanced cell connectivity after bariatric surgery in mice		2
18	Sexually dimorphic roles for the type 2 diabetes-associated C2cd4b gene in murine glucose homeostasis		2

17	Vertical sleeve gastrectomy lowers kidney SGLT2 expression in the mouse		2
16	Intravital imaging of islet Ca dynamics reveals enhanced β cell connectivity after bariatric surgery in mice. <i>Nature Communications</i> , 2021 , 12, 5165	17.4	2
15	Sorcin stimulates Activation Transcription Factor 6(ATF6) transcriptional activity		1
14	Reduced expression of TCF7L2 in adipocyte impairs glucose tolerance associated with decreased insulin secretion, incretins levels and lipid metabolism dysregulation in male mice		1
13	The Ca ²⁺ -binding protein sorcin stimulates transcriptional activity of the unfolded protein response mediator ATF6. <i>FEBS Letters</i> , 2021 , 595, 1782-1796	3.8	1
12	Glucose-dependent miR-125b is a negative regulator of β cell function		1
11	Real-Time In Vivo Imaging of Whole Islet Ca ²⁺ Dynamics Reveals Glucose-Induced Changes in Beta-Cell Connectivity in Mouse and Human Islets. <i>Diabetes</i> , 2018 , 67, 249-LB	0.9	0
10	2173-P: Effects of AMP-Activated Protein Kinase Activation on Insulin Secretion in Mice. <i>Diabetes</i> , 2019 , 68, 2173-P	0.9	
9	42-OR: Hub Cells Orchestrate 3-Dimensional Pancreatic Beta-Cell Ca ²⁺ Dynamics In Vivo. <i>Diabetes</i> , 2019 , 68, 42-OR	0.9	
8	161-LB: Inhibition of Kidney SGLT2 Expression following Bariatric Surgery in Mice. <i>Diabetes</i> , 2019 , 68, 161-LB	0.9	
7	1683-P: Upregulation of Pancreatic Islet EGF Receptor Improves Beta-Cell Identity and In Vivo Vascularisation in a Directly Observed Transplant Model. <i>Diabetes</i> , 2020 , 69, 1683-P	0.9	
6	1912-P: Bariatric Surgery Downregulates Glucocorticoid Signaling in Mice. <i>Diabetes</i> , 2020 , 69, 1912-P	0.9	
5	2100-P: Binding Kinetics, GLP-1 Receptor Internalization, and Effects on Insulin Secretion for GL0034 and Related GLP-1R Agonists. <i>Diabetes</i> , 2020 , 69, 2100-P	0.9	
4	320-OR: Bariatric Surgery Improves Ca ²⁺ Dynamics across Pancreatic Islets In Vivo. <i>Diabetes</i> , 2020 , 69, 320-OR	0.9	
3	2072-P: Deletion of the Mitofusins 1 and 2 (Mfn1 and Mfn2) in the Pancreatic Beta Cell Disrupts Mitochondrial Structure and Function In Vitro and Strongly Impairs Glucose-Stimulated Insulin Secretion In Vivo. <i>Diabetes</i> , 2020 , 69, 2072-P	0.9	
2	1798-P: Chronic Administration of a Long-Acting Glucagon Analogue Results in Enhanced Insulin Secretory Activity in a Directly-Observed Murine Model. <i>Diabetes</i> , 2020 , 69, 1798-P	0.9	
1	Opposing effects on regulated insulin secretion of acute vs chronic stimulation of AMP-activated protein kinase.. <i>Diabetologia</i> , 2022 , 65, 997	10.3	