

James Cantley

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,560
citations

279487

23
h-index

360668

35
g-index

38
all docs

38
docs citations

38
times ranked

2985
citing authors

#	ARTICLE	IF	CITATIONS
1	G protein-coupled receptor (GPR)40-dependent potentiation of insulin secretion in mouse islets is mediated by protein kinase D1. <i>Diabetologia</i> , 2012, 55, 2682-2692.	2.9	139
2	Deletion of the von Hippel-Lindau gene in pancreatic β cells impairs glucose homeostasis in mice. <i>Journal of Clinical Investigation</i> , 2009, 119, 125-35.	3.9	108
3	Alteration of Endoplasmic Reticulum Lipid Rafts Contributes to Lipotoxicity in Pancreatic β -Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 26569-26582.	1.6	107
4	Q&A: insulin secretion and type 2 diabetes: why do β -cells fail?. <i>BMC Biology</i> , 2015, 13, 33.	1.7	102
5	Identification of fatty acid binding protein 4 as an adipokine that regulates insulin secretion during obesity. <i>Molecular Metabolism</i> , 2014, 3, 465-473.	3.0	96
6	The hypoxia response pathway and β -cell function. <i>Diabetes, Obesity and Metabolism</i> , 2010, 12, 159-167.	2.2	95
7	Pancreatic deletion of insulin receptor substrate 2 reduces beta and alpha cell mass and impairs glucose homeostasis in mice. <i>Diabetologia</i> , 2007, 50, 1248-1256.	2.9	75
8	High dietary fat and sucrose result in an extensive and time-dependent deterioration in health of multiple physiological systems in mice. <i>Journal of Biological Chemistry</i> , 2018, 293, 5731-5745.	1.6	65
9	Oleanolic Acid Reduces Hyperglycemia beyond Treatment Period with Akt/FoxO1-Induced Suppression of Hepatic Gluconeogenesis in Type-2 Diabetic Mice. <i>PLoS ONE</i> , 2012, 7, e42115.	1.1	56
10	The control of insulin secretion by adipokines: current evidence for adipocyte-beta cell endocrine signalling in metabolic homeostasis. <i>Mammalian Genome</i> , 2014, 25, 442-454.	1.0	53
11	Nuclear factor κ B-inducing kinase activation as a mechanism of pancreatic β cell failure in obesity. <i>Journal of Experimental Medicine</i> , 2015, 212, 1239-1254.	4.2	52
12	Time-dependent effects of Prkce deletion on glucose homeostasis and hepatic lipid metabolism on dietary lipid oversupply in mice. <i>Diabetologia</i> , 2011, 54, 1447-1456.	2.9	51
13	A Preexistent Hypoxic Gene Signature Predicts Impaired Islet Graft Function and Glucose Homeostasis. <i>Cell Transplantation</i> , 2013, 22, 2147-2159.	1.2	47
14	Deletion of PKC μ Selectively Enhances the Amplifying Pathways of Glucose-Stimulated Insulin Secretion via Increased Lipolysis in Mouse β -Cells. <i>Diabetes</i> , 2009, 58, 1826-1834.	0.3	43
15	Diabetes Causes Dysfunctional Dopamine Neurotransmission Favoring Nigrostriatal Degeneration in Mice. <i>Movement Disorders</i> , 2020, 35, 1636-1648.	2.2	42
16	Pancreatic PYY Is Critical in the Control of Insulin Secretion and Glucose Homeostasis in Female Mice. <i>Endocrinology</i> , 2015, 156, 3122-3136.	1.4	41
17	Lysosomal acid lipase and lipophagy are constitutive negative regulators of glucose-stimulated insulin secretion from pancreatic beta cells. <i>Diabetologia</i> , 2014, 57, 129-139.	2.9	38
18	Hmox1 (Heme Oxygenase-1) Protects Against Ischemia-Mediated Injury via Stabilization of HIF-1 α (Hypoxia-Inducible Factor-1 α). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 317-330.	1.1	36

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19	Liver-specific deletion of insulin receptor substrate 2 does not impair hepatic glucose and lipid metabolism in mice. <i>Diabetologia</i> , 2006, 49, 552-561.	2.9	34
20	Deletion of protein kinase C δ in mice modulates stability of inflammatory genes and protects against cytokine-stimulated beta cell death in vitro and in vivo. <i>Diabetologia</i> , 2011, 54, 380-389.	2.9	33
21	DOC2 isoforms play dual roles in insulin secretion and insulin-stimulated glucose uptake. <i>Diabetologia</i> , 2014, 57, 2173-2182.	2.9	30
22	The diverse roles of protein kinase C in pancreatic β -cell function. <i>Biochemical Society Transactions</i> , 2008, 36, 916-919.	1.6	28
23	The radical S-adenosyl methionine (SAM) enzyme Viperin catalyzes reductive addition of a 5'-deoxyadenosyl radical to UDP-glucose in vitro. <i>FEBS Letters</i> , 2017, 591, 2394-2405.	1.3	27
24	Disruption of beta cell acetyl-CoA carboxylase-1 in mice impairs insulin secretion and beta cell mass. <i>Diabetologia</i> , 2019, 62, 99-111.	2.9	24
25	Glucose Homeostasis in Mice Is Transglutaminase 2 Independent. <i>PLoS ONE</i> , 2013, 8, e63346.	1.1	23
26	Inhibition of Y1 receptor signaling improves islet transplant outcome. <i>Nature Communications</i> , 2017, 8, 490.	5.8	23
27	Bilirubin deficiency renders mice susceptible to hepatic steatosis in the absence of insulin resistance. <i>Redox Biology</i> , 2021, 47, 102152.	3.9	17
28	Continuous and non-invasive thermography of mouse skin accurately describes core body temperature patterns, but not absolute core temperature. <i>Scientific Reports</i> , 2020, 10, 20680.	1.6	16
29	Targeting triglyceride/fatty acid cycling in β -cells as a therapy for augmenting glucose-stimulated insulin secretion. <i>Islets</i> , 2010, 2, 127-129.	0.9	14
30	Sweet and Sour β -Cells: ROS and Hif1 α Induce Warburg-Like Lactate Production During Type 2 Diabetes. <i>Diabetes</i> , 2013, 62, 1823-1825.	0.3	12
31	Abcc5 Knockout Mice Have Lower Fat Mass and Increased Levels of Circulating GLP-1. <i>Obesity</i> , 2019, 27, 1292-1304.	1.5	11
32	Acetyl-CoA-carboxylase 1 (ACC1) plays a critical role in glucagon secretion. <i>Communications Biology</i> , 2022, 5, 238.	2.0	8
33	The Human Diabetes Proteome Project (HDPP): The 2014 update. <i>Translational Proteomics</i> , 2015, 8-9, 1-7.	1.2	7
34	Prolyl-4-hydroxylase 3 maintains β cell glucose metabolism during fatty acid excess in mice. <i>JCI Insight</i> , 2021, 6, .	2.3	5
35	Circulating AFABP promotes insulin secretion. <i>Obesity</i> , 2015, 23, 1525-1525.	1.5	0
36	100 years of insulin: progress, current perspectives and future challenges.. <i>Journal of Endocrinology</i> , 2021, , .	1.2	0