James Cantley

List of Publications by Year
in descending order

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	Acetyl-CoA-carboxylase 1 (ACC1) plays a critical role in glucagon secretion. Communications Biology, 2022, 5, 238.	2.0	8
2	Hmox1 (Heme Oxygenase-1) Protects Against Ischemia-Mediated Injury via Stabilization of HIF-1Î± (Hypoxia-Inducible Factor-1Î±). Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 317-330.	1.1	36
3	Prolyl-4-hydroxylase 3 maintains Î² cell glucose metabolism during fatty acid excess in mice. JCI Insight, 2021, 6, .	2.3	5
4	Bilirubin deficiency renders mice susceptible to hepatic steatosis in the absence of insulin resistance. Redox Biology, 2021, 47, 102152.	3.9	17
5	100 years of insulin: progress, current perspectives and future challenges.. Journal of Endocrinology, 2021, , .	1.2	0
6	Diabetes Causes Dysfunctional Dopamine Neurotransmission Favoring Nigrostriatal Degeneration in Mice. Movement Disorders, 2020, 35, 1636-1648.	2.2	42
7	Continuous and non-invasive thermography of mouse skin accurately describes core body temperature patterns, but not absolute core temperature. Scientific Reports, 2020, 10, 20680.	1.6	16
8	Abcc5 Knockout Mice Have Lower Fat Mass and Increased Levels of Circulating GLPâ€1. Obesity, 2019, 27, 1292-1304.	1.5	11
9	Disruption of beta cell acetyl-CoA carboxylase-1 in mice impairs insulin secretion and beta cell mass. Diabetologia, 2019, 62, 99-111.	2.9	24
10	High dietary fat and sucrose result in an extensive and time-dependent deterioration in health of multiple physiological systems in mice. Journal of Biological Chemistry, 2018, 293, 5731-5745.	1.6	65
11	Inhibition of Y1 receptor signaling improves islet transplant outcome. Nature Communications, 2017, 8, 490.	5.8	23
12	The radicalâ€SAM enzyme Viperin catalyzes reductive addition of a 5â€²â€deoxyadenosyl radical to UDPâ€glucose <i>in vitro</i>. FEBS Letters, 2017, 591, 2394-2405.	1.3	27
13	Circulating <scp>AFABP</scp> promotes insulin secretion. Obesity, 2015, 23, 1525-1525.	1.5	0
14	Q&A: insulin secretion and type 2 diabetes: why do Î²-cells fail?. BMC Biology, 2015, 13, 33.	1.7	102
15	Nuclear factor ÎºBâ€"inducing kinase activation as a mechanism of pancreatic Î² cell failure in obesity. Journal of Experimental Medicine, 2015, 212, 1239-1254.	4.2	52
16	The Human Diabetes Proteome Project (HDPP): The 2014 update. Translational Proteomics, 2015, 8-9, 1-7.	1.2	7
17	Pancreatic PYY Is Critical in the Control of Insulin Secretion and Glucose Homeostasis in Female Mice. Endocrinology, 2015, 156, 3122-3136.	1.4	41
18	Identification of fatty acid binding protein 4 as an adipokine that regulates insulin secretion during obesity. Molecular Metabolism, 2014, 3, 465-473.	3.0	96

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19	Lysosomal acid lipase and lipophagy are constitutive negative regulators of glucose-stimulated insulin secretion from pancreatic beta cells. Diabetologia, 2014, 57, 129-139.	2.9	38
20	The control of insulin secretion by adipokines: current evidence for adipocyte-beta cell endocrine signalling in metabolic homeostasis. Mammalian Genome, 2014, 25, 442-454.	1.0	53
21	DOC2 isoforms play dual roles in insulin secretion and insulin-stimulated glucose uptake. Diabetologia, 2014, 57, 2173-2182.	2.9	30
22	Alteration of Endoplasmic Reticulum Lipid Rafts Contributes to Lipotoxicity in Pancreatic Î²-Cells. Journal of Biological Chemistry, 2013, 288, 26569-26582.	1.6	107
23	Sweet and Sour Î²-Cells: ROS and Hif1Î± Induce Warburg-Like Lactate Production During Type 2 Diabetes. Diabetes, 2013, 62, 1823-1825.	0.3	12
24	Glucose Homeostasis in Mice Is Transglutaminase 2 Independent. PLoS ONE, 2013, 8, e63346.	1.1	23
25	A Preexistent Hypoxic Gene Signature Predicts Impaired Islet Graft Function and Glucose Homeostasis. Cell Transplantation, 2013, 22, 2147-2159.	1.2	47
26	G protein-coupled receptor (GPR)40-dependent potentiation of insulin secretion in mouse islets is mediated by protein kinase D1. Diabetologia, 2012, 55, 2682-2692.	2.9	139
27	Oleanolic Acid Reduces Hyperglycemia beyond Treatment Period with Akt/FoxO1-Induced Suppression of Hepatic Gluconeogenesis in Type-2 Diabetic Mice. PLoS ONE, 2012, 7, e42115.	1.1	56
28	Deletion of protein kinase CÎ´ in mice modulates stability of inflammatory genes and protects against cytokine-stimulated beta cell death in vitro and in vivo. Diabetologia, 2011, 54, 380-389.	2.9	33
29	Time-dependent effects of Prkce deletion on glucose homeostasis and hepatic lipid metabolism on dietary lipid oversupply in mice. Diabetologia, 2011, 54, 1447-1456.	2.9	51
30	The hypoxia response pathway and <i>Î²</i>â€•cell function. Diabetes, Obesity and Metabolism, 2010, 12, 159-167.	2.2	95
31	Targeting triglyceride/fatty acid cycling in Î²-cells as a therapy for augmenting glucose-stimulated insulin secretion. Islets, 2010, 2, 127-129.	0.9	14
32	Deletion of PKCÎµ Selectively Enhances the Amplifying Pathways of Glucose-Stimulated Insulin Secretion via Increased Lipolysis in Mouse Î²-Cells. Diabetes, 2009, 58, 1826-1834.	0.3	43
33	Deletion of the von Hippelâ€“Lindau gene in pancreatic Î² cells impairs glucose homeostasis in mice. Journal of Clinical Investigation, 2009, 119, 125-35.	3.9	108
34	The diverse roles of protein kinase C in pancreatic Î²-cell function. Biochemical Society Transactions, 2008, 36, 916-919.	1.6	28
35	Pancreatic deletion of insulin receptor substrate 2 reduces beta and alpha cell mass and impairs glucose homeostasis in mice. Diabetologia, 2007, 50, 1248-1256.	2.9	75
36	Liver-specific deletion of insulin receptor substrate 2 does not impair hepatic glucose and lipid metabolism in mice. Diabetologia, 2006, 49, 552-561.	2.9	34