Claes B Wollheim

List of Publications by Year
in descending order

31	2,940	23	31
papers	citations	h-index	g-index
		279487	433756

32	32	32	4807
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pathophysiology of type 2 diabetes and the impact of altered metabolic interorgan crosstalk. FEBS Journal, 2023, 290, 620-648.	2.2	22
2	Dopamine regulates pancreatic glucagon and insulin secretion via adrenergic and dopaminergic receptors. Translational Psychiatry, 2021, 11, 59.	2.4	50
3	Augmented mitochondrial energy metabolism is an early response to chronic glucose stress in human pancreatic beta cells. Diabetologia, 2020, 63, 2628-2640.	2.9	24
4	Potential Protection Against Type 2 Diabetes in Obesity Through Lower CD36 Expression and Improved Exocytosis in Î²-Cells. Diabetes, 2020, 69, 1193-1205.	0.3	34
5	Preserving Insulin Secretion in Diabetes by Inhibiting VDAC1 Overexpression and Surface Translocation in Î² Cells. Cell Metabolism, 2019, 29, 64-77.e6.	7.2	100
6	Glutamine-Elicited Secretion of Glucagon-Like Peptide 1 Is Governed by an Activated Glutamate Dehydrogenase. Diabetes, 2018, 67, 372-384.	0.3	20
7	Sulforaphane improves disrupted ER-mitochondria interactions and suppresses exaggerated hepatic glucose production. Molecular and Cellular Endocrinology, 2018, 461, 205-214.	1.6	36
8	Silencing of the FTO gene inhibits insulin secretion: An in vitro study using GRINCH cells. Molecular and Cellular Endocrinology, 2018, 472, 10-17.	1.6	23
9	Oxidative stress and calcium dysregulation by palmitate in type 2 diabetes. Experimental and Molecular Medicine, 2017, 49, e291-e291.	3.2	248
10	Sulforaphane reduces hepatic glucose production and improves glucose control in patients with type 2 diabetes. Science Translational Medicine, 2017, 9, .	5.8	240
11	Elevated miR-130a/miR130b/miR-152 expression reduces intracellular ATP levels in the pancreatic beta cell. Scientific Reports, 2017, 7, 44986.	1.6	64
12	Excess maternal transmission of variants in the THADA gene to offspring with type 2 diabetes. Diabetologia, 2016, 59, 1702-1713.	2.9	19
13	Intracellular alkalinization by phosphate uptake<i>via</i>type III sodiumâ€“phosphate cotransporter participates in highâ€phosphateâ€induced mitochondrial oxidative stress and defective insulin secretion. FASEB Journal, 2016, 30, 3979-3988.	0.2	16
14	Microbial signals to the brain control weight. Nature, 2016, 534, 185-187.	13.7	21
15	Transcriptional Regulation of X-Box-binding Protein One (XBP1) by Hepatocyte Nuclear Factor 4Î± (HNF4Î‘) Is Vital to Beta-cell Function. Journal of Biological Chemistry, 2016, 291, 6146-6157.	1.6	25
16	Mitochondrial oxidative stress mediates high-phosphate-induced secretory defects and apoptosis in insulin-secreting cells. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E933-E941.	1.8	49
17	Inhibition of the malateâ€“aspartate shuttle in mouse pancreatic islets abolishes glucagon secretion without affecting insulin secretion. Biochemical Journal, 2015, 468, 49-63.	1.7	27
18	Essential Role of Mitochondrial Ca2+ Uniporter in the Generation of Mitochondrial pH Gradient and Metabolism-Secretion Coupling in Insulin-releasing Cells. Journal of Biological Chemistry, 2015, 290, 4086-4096.	1.6	60

#	Article	IF	Citations
19	Identification of novel genes for glucose metabolism based upon expression pattern in human islets and effect on insulin secretion and glycemia. Human Molecular Genetics, 2015, 24, 1945-1955.	1.4	89
20	TCF7L2 is a master regulator of insulin production and processing. Human Molecular Genetics, 2014, 23, 6419-6431.	1.4	166
21	Global genomic and transcriptomic analysis of human pancreatic islets reveals novel genes influencing glucose metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13924-13929.	3.3	407
22	Time-resolved metabolomics analysis of Î²-cells implicates the pentose phosphate pathway in the control of insulin release. Biochemical Journal, 2013, 450, 595-605.	1.7	82
23	Activation of the unfolded protein response pathway causes ceramide accumulation in yeast and INS-1E insulinoma cells. Journal of Lipid Research, 2012, 53, 412-420.	2.0	36
24	Secreted Frizzled-Related Protein 4 Reduces Insulin Secretion and Is Overexpressed in Type 2 Diabetes. Cell Metabolism, 2012, 16, 625-633.	7.2	166
25	Mitochondrial signals drive insulin secretion in the pancreatic Î²-cell. Molecular and Cellular Endocrinology, 2012, 353, 128-137.	1.6	122
26	Reduction of plasma membrane glutamate transport potentiates insulin but not glucagon secretion in pancreatic islet cells. Molecular and Cellular Endocrinology, 2011, 338, 46-57.	1.6	36
27	Mitochondrial Dysfunction Contributes to Impaired Insulin Secretion in INS-1 Cells with Dominant-negative Mutations of HNF-1Î± and in HNF-1Î±-deficient Islets. Journal of Biological Chemistry, 2009, 284, 16808-16821.	1.6	27
28	The Fas pathway is involved in pancreatic beta cell secretory function. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2861-2866.	3.3	83
29	Mitochondrial glutamate acts as a messenger in glucose-induced insulin exocytosis. Nature, 1999, 402, 685-689.	13.7	462
30	Overexpression of monocarboxylate transporter and lactate dehydrogenase alters insulin secretory responses to pyruvate and lactate in Î² cells. Journal of Clinical Investigation, 1999, 104, 1621-1629.	3.9	165
31	Insulin Release during Fasting: Studies on Adenylate Cyclase, Phosphodiesterase, Protein Kinase, and Phosphoprotein Phosphatase in Isolated Islets of Langerhans of the Rat*. Endocrinology, 1979, 105, 702-707.	1.4	21