Gabriela da Silva Xavier

List of Publications by Year
in descending order

50	4,117	147801	197818
papers	citations	31 h-index	49 g-index

53	53	53	5130
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adipocyte-specific deletion of Tcf7l2 induces dysregulated lipid metabolism and impairs glucose tolerance in mice. Diabetologia, 2021, 64, 129-141.	6.3	17
2	Metabolic and Functional Heterogeneity in Pancreatic Î² Cells. Journal of Molecular Biology, 2020, 432, 1395-1406.	4.2	24
3	The pore-forming subunit MCU of the mitochondrial Ca2+ uniporter is required for normal glucose-stimulated insulin secretion in vitro and in vivo in mice. Diabetologia, 2020, 63, 1368-1381.	6.3	37
4	Convolutional neural networks for reconstruction of undersampled optical projection tomography data applied to in vivo imaging of zebrafish. Journal of Biophotonics, 2019, 12, e201900128.	2.3	13
5	Mouse models of peripheral metabolic disease. Best Practice and Research in Clinical Endocrinology and Metabolism, 2018, 32, 299-315.	4.7	12
6	Transcription factor-7â€“like 2 (TCF7L2) gene acts downstream of the Lkb1/Stk11 kinase to control mTOR signaling, Î² cell growth, and insulin secretion. Journal of Biological Chemistry, 2018, 293, 14178-14189.	3.4	19
7	Down-regulation of vascular GLP-1 receptor expression in human subjects with obesity. Scientific Reports, 2018, 8, 10644.	3.3	19
8	The Cells of the Islets of Langerhans. Journal of Clinical Medicine, 2018, 7, 54.	2.4	151
9	Neuronatin regulates pancreatic Î² cell insulin content and secretion. Journal of Clinical Investigation, 2018, 128, 3369-3381.	8.2	47
10	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
11	Cell type-specific deletion in mice reveals roles for PAS kinase in insulin and glucagon production. Diabetologia, 2016, 59, 1938-1947.	6.3	10
12	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
13	Selective disruption of Tcf7l2 in the pancreatic Î² cell impairs secretory function and lowers Î² cell mass. Human Molecular Genetics, 2015, 24, 1390-1399.	2.9	89
14	Sarco(endo)plasmic reticulum ATPase is a molecular partner of Wolfram syndrome 1 protein, which negatively regulates its expression. Human Molecular Genetics, 2015, 24, 814-827.	2.9	46
15	Increased expression of miR-187 in human islets from individuals with type 2 diabetes is associated with reduced glucose-stimulated insulin secretion. Diabetologia, 2014, 57, 122-128.	6.3	102
16	Divergent Effects of Liraglutide, Exendin-4, and Sitagliptin on Beta-Cell Mass and Indicators of Pancreatitis in a Mouse Model of Hyperglycaemia. PLoS ONE, 2014, 9, e104873.	2.5	28
17	Animal Models of GWAS-Identified Type 2 Diabetes Genes. Journal of Diabetes Research, 2013, 2013, 1-12.	2.3	28
18	Abnormal glucose tolerance and insulin secretion in pancreas-specific Tcf7l2-null mice. Diabetologia, 2012, 55, 2667-2676.	6.3	103

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19	Per-arnt-sim (PAS) domain-containing protein kinase is downregulated in human islets in type 2 diabetes and regulates glucagon secretion. Diabetologia, 2011, 54, 819-827.	6.3	46
20	An alternative polyadenylation signal in TCF7L2 generates isoforms that inhibit T cell factor/lymphoid-enhancer factor (TCF/LEF)-dependent target genes. Diabetologia, 2011, 54, 3078-3082.	6.3	35
21	miR-29a and miR-29b Contribute to Pancreatic Î²-Cell-Specific Silencing of Monocarboxylate Transporter 1 (Mct1). Molecular and Cellular Biology, 2011, 31, 3182-3194.	2.3	245
22	Nucleo-cytosolic Shuttling of FoxO1 Directly Regulates Mouse Ins2 but Not Ins1 Gene Expression in Pancreatic Beta Cells (MIN6). Journal of Biological Chemistry, 2011, 286, 13647-13656.	3.4	30
23	Ablation of AMP-activated protein kinase Î±1 and Î±2 from mouse pancreatic beta cells and RIP2.Cre neurons suppresses insulin release in vivo. Diabetologia, 2010, 53, 924-936.	6.3	99
24	Carbohydrate-Responsive Element-Binding Protein (ChREBP) Is a Negative Regulator of ARNT/HIF-1Î² Gene Expression in Pancreatic Islet Î²-Cells. Diabetes, 2010, 59, 153-160.	0.6	61
25	Dynamic Changes in Cytosolic and Mitochondrial ATP Levels in Pancreatic Acinar Cells. Gastroenterology, 2010, 138, 1976-1987.e5.	1.3	120
26	Pancreatic and duodenal homeobox 1 (PDX1) phosphorylation at serine-269 is HIPK2-dependent and affects PDX1 subnuclear localization. Biochemical and Biophysical Research Communications, 2010, 399, 155-161.	2.1	30
27	ChREBP regulates Pdx-1 and other glucose-sensitive genes in pancreatic Î²-cells. Biochemical and Biophysical Research Communications, 2010, 402, 252-257.	2.1	23
28	Insulin Storage and Glucose Homeostasis in Mice Null for the Granule Zinc Transporter ZnT8 and Studies of the Type 2 Diabetesâ€“Associated Variants. Diabetes, 2009, 58, 2070-2083.	0.6	347
29	TCF7L2 Regulates Late Events in Insulin Secretion From Pancreatic Islet Î²-Cells. Diabetes, 2009, 58, 894-905.	0.6	185
30	ATP depletion inhibits Ca2+ release, influx and extrusion in pancreatic acinar cells but not pathological Ca2+ responses induced by bile. Pflugers Archiv European Journal of Physiology, 2008, 455, 1025-1039.	2.8	37
31	TCF7L2 controls insulin gene expression and insulin secretion in mature pancreatic Î²-cells. Biochemical Society Transactions, 2008, 36, 357-359.	3.4	61
32	Sodium-potassium ATPase 1 subunit is a molecular partner of Wolframin, an endoplasmic reticulum protein involved in ER stress. Human Molecular Genetics, 2007, 17, 190-200.	2.9	85
33	Regulation by Per-Arnt-Sim (PAS) kinase of pancreatic duodenal homeobox-1 nuclear import in pancreatic Î²-cells. Biochemical Society Transactions, 2006, 34, 791-793.	3.4	28
34	ChREBP binding to fatty acid synthase and L-type pyruvate kinase genes is stimulated by glucose in pancreatic Î²-cells. Journal of Lipid Research, 2006, 47, 2482-2491.	4.2	76
35	Involvement of Per-Arnt-Sim (PAS) kinase in the stimulation of preproinsulin and pancreatic duodenum homeobox 1 gene expression by glucose. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8319-8324.	7.1	66
36	Imaging glucose-regulated insulin secretion and gene expression in single islet Î²-cells. Cell Biochemistry and Biophysics, 2004, 40, 179-190.	1.8	3

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37	Glutamine potently stimulates glucagon-like peptide-1 secretion from GLUTag cells. Diabetologia, 2004, 47, 1592-1601.	6.3	208
38	Distinct roles for insulin and insulin-like growth factor-1 receptors in pancreatic beta-cell glucose sensing revealed by RNA silencing. Biochemical Journal, 2004, 377, 149-158.	3.7	81
39	Importin beta1 mediates the glucose-stimulated nuclear import of pancreatic and duodenal homeobox-1 in pancreatic islet beta-cells (MIN6). Biochemical Journal, 2004, 378, 219-227.	3.7	23
40	Metformin, but not leptin, regulates AMP-activated protein kinase in pancreatic islets: impact on glucose-stimulated insulin secretion. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E1023-E1031.	3.5	150
41	Role for AMP-activated protein kinase in glucose-stimulated insulin secretion and preproinsulin gene expression. Biochemical Journal, 2003, 371, 761-774.	3.7	253
42	5â€²-AMP-activated Protein Kinase Controls Insulin-containing Secretory Vesicle Dynamics. Journal of Biological Chemistry, 2003, 278, 52042-52051.	3.4	94
43	Glucagon-like peptide-1 mobilizes intracellular Ca2+ and stimulates mitochondrial ATP synthesis in pancreatic MIN6 beta-cells. Biochemical Journal, 2003, 369, 287-299.	3.7	179
44	Roles of 5â€²-AMP-activated protein kinase (AMPK) in mammalian glucose homoeostasis. Biochemical Journal, 2003, 375, 1-16.	3.7	310
45	Stimulation of Acetyl-CoA Carboxylase Gene Expression by Glucose Requires Insulin Release and Sterol Regulatory Element Binding Protein 1c in Pancreatic MIN6 Â-Cells. Diabetes, 2002, 51, 2536-2545.	0.6	64
46	AMP- and stress-activated protein kinases: Key regulators of glucose-dependent gene transcription in mammalian cells?. Progress in Molecular Biology and Translational Science, 2002, 71, 69-90.	1.9	15
47	Role of AMP-activated protein kinase in the regulation by glucose of islet beta cell gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 4023-4028.	7.1	195
48	Regulation of Gene Expression by Glucose in Pancreatic Î²-Cells (MIN6) via Insulin Secretion and Activation of Phosphatidylinositol 3â€²-Kinase. Journal of Biological Chemistry, 2000, 275, 36269-36277.	3.4	77
49	Glucose-stimulated Preproinsulin Gene Expression and Nucleartrans-Location of Pancreatic Duodenum Homeobox-1 Require Activation of Phosphatidylinositol 3-Kinase but Not p38 MAPK/SAPK2. Journal of Biological Chemistry, 2000, 275, 15977-15984.	3.4	102
50	Protein Kinases and Pancreatic Islet Function. , 0, , .		0