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List of Publications by Year
in descending order

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Version: 2024-02-01

36 papers	3,912 citations	257450 24 h-index	345221 36 g-index
36 all docs	36 docs citations	36 times ranked	3988 citing authors

#	Article	IF	Citations
1	PKA-Dependent and PKA-Independent Pathways for cAMP-Regulated Exocytosis. Physiological Reviews, 2005, 85, 1303-1342.	28.8	499
2	ATP-SENSITIVE POTASSIUM CHANNELS: A Model of Heteromultimeric Potassium Channel/Receptor Assemblies. Annual Review of Physiology, 1999, 61, 337-362.	13.1	458
3	cAMP-GEFII is a direct target of cAMP in regulated exocytosis. Nature Cell Biology, 2000, 2, 805-811.	10.3	431
4	Essential role of Epac2/Rap1 signaling in regulation of insulin granule dynamics by cAMP. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19333-19338.	7.1	358
5	Critical Role of cAMP-GEFIIÂ·Rim2 Complex in Incretin-potentiated Insulin Secretion. Journal of Biological Chemistry, 2001, 276, 46046-46053.	3.4	313
6	The cAMP Sensor Epac2 Is a Direct Target of Antidiabetic Sulfonylurea Drugs. Science, 2009, 325, 607-610.	12.6	198
7	Expression and role of ionotropic glutamate receptors in pancreatic islet cells. FASEB Journal, 1995, 9, 686-691.	0.5	182
8	Piccolo, a Ca2+ Sensor in Pancreatic Î²-Cells. Journal of Biological Chemistry, 2002, 277, 50497-50502.	3.4	179
9	Interaction of ATP Sensor, cAMP Sensor, Ca2+ Sensor, and Voltage-dependent Ca2+ Channel in Insulin Granule Exocytosis. Journal of Biological Chemistry, 2004, 279, 7956-7961.	3.4	152
10	Glutamate Acts as a Key Signal Linking Glucose Metabolism to Incretin/cAMP Action to Amplify Insulin Secretion. Cell Reports, 2014, 9, 661-673.	6.4	128
11	Insulin secretion and differential gene expression in glucose-responsive and -unresponsive MIN6 sublines. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E773-E781.	3.5	116
12	Distinct Effects of Glucose-Dependent Insulinotropic Polypeptide and Glucagon-Like Peptide-1 on Insulin Secretion and Gut Motility. Diabetes, 2005, 54, 1056-1063.	0.6	103
13	Rim2Î± Determines Docking and Priming States in Insulin Granule Exocytosis. Cell Metabolism, 2010, 12, 117-129.	16.2	97
14	Critical role of the Nâ€terminal cyclic AMPâ€binding domain of Epac2 in its subcellular localization and function. Journal of Cellular Physiology, 2009, 219, 652-658.	4.1	82
15	A Novel Rat Model of Type 2 Diabetes: The Zucker Fatty Diabetes Mellitus ZFDM Rat. Journal of Diabetes Research, 2013, 2013, 1-9.	2.3	68
16	Î²â€Cell signalling and insulin secretagogues: A path for improved diabetes therapy. Diabetes, Obesity and Metabolism, 2017, 19, 22-29.	4.4	59
17	Characterization of the Gene EPAC2: Structure, Chromosomal Localization, Tissue Expression, and Identification of the Liver-Specific Isoform. Genomics, 2001, 78, 91-98.	2.9	57
18	Liraglutide Improves Pancreatic Beta Cell Mass and Function in Alloxan-Induced Diabetic Mice. PLoS ONE, 2015, 10, e0126003.	2.5	55

#	Article	IF	Citations
19	Role of Epac2A/Rap1 Signaling in Interplay Between Incretin and Sulfonylurea in Insulin Secretion. Diabetes, 2015, 64, 1262-1272.	0.6	52
20	Structure and functional roles of Epac2 (Rapgef4). Gene, 2016, 575, 577-583.	2.2	49
21	Antidiabetic Sulfonylureas and cAMP Cooperatively Activate Epac2A. Science Signaling, 2013, 6, ra94.	3.6	42
22	Establishment of new clonal pancreatic Î²â€cell lines (MIN6â€K) useful for study of incretin/cyclic adenosine monophosphate signaling. Journal of Diabetes Investigation, 2010, 1, 137-142.	2.4	36
23	Somatostatin Is Only Partly Required for the Glucagonostatic Effect of Glucose but Is Necessary for the Glucagonostatic Effect of KATP Channel Blockers. Diabetes, 2018, 67, 2239-2253.	0.6	33
24	Identification of putative biomarkers for prediabetes by metabolome analysis of rat models of type 2 diabetes. Metabolomics, 2015, 11, 1277-1286.	3.0	28
25	Normalization of Intracellular Ca2+ Induces a Glucose-responsive State in Glucose-unresponsive Î²-Cells. Journal of Biological Chemistry, 2002, 277, 25277-25282.	3.4	21
26	Glutamate is an essential mediator in glutamineâ€amplified insulin secretion. Journal of Diabetes Investigation, 2021, 12, 920-930.	2.4	20
27	Arsenic modifies serotonin metabolism through glucuronidation in pancreatic Î²-cells. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E464-E474.	3.5	16
28	Increased glycolysis affects Î²-cell function and identity in aging and diabetes. Molecular Metabolism, 2022, 55, 101414.	6.5	16
29	Essential roles of aspartate aminotransferase 1 and vesicular glutamate transporters in Î²-cell glutamate signaling for incretin-induced insulin secretion. PLoS ONE, 2017, 12, e0187213.	2.5	15
30	Î²â€Cell glutamate signaling: Its role in incretinâ€induced insulin secretion. Journal of Diabetes Investigation, 2016, 7, 38-43.	2.4	14
31	Characterization of the Prediabetic State in a Novel Rat Model of Type 2 Diabetes, the ZFDM Rat. Journal of Diabetes Research, 2015, 2015, 1-8.	2.3	12
32	Inhibition of SNAT5 Induces Incretin-Responsive State From Incretin-Unresponsive State in Pancreatic Î²-Cells: Study of Î²-Cell Spheroid Clusters as a Model. Diabetes, 2018, 67, 1795-1806.	0.6	10
33	Tracing phenotypic reversibility of pancreatic Î²â€cells in vitro. Journal of Diabetes Investigation, 2010, 1, 242-251.	2.4	4
34	Tumorâ€like features of gene expression and metabolic profiles in enlarged pancreatic islets are associated with impaired incretinâ€induced insulin secretion in obese diabetes: A study of Zucker fatty diabetes mellitus rat. Journal of Diabetes Investigation, 2020, 11, 1434-1447.	2.4	3
35	A Novel Diphenylthiosemicarbazide Is a Potential Insulin Secretagogue for Anti-Diabetic Agent. PLoS ONE, 2016, 11, e0164785.	2.5	3
36	O-GlcNAcylation of myocyte-specific enhancer factor 2D negatively regulates insulin secretion from pancreatic Î²-cells. Biochemical and Biophysical Research Communications, 2022, 605, 90-96.	2.1	3