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List of Publications by Year
in descending order

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32	1,577	361413 20	434195 31
papers	citations	h-index	g-index

38	38	38	2485
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TMEM16 Proteins Produce Volume-regulated Chloride Currents That Are Reduced in Mice Lacking TMEM16A. Journal of Biological Chemistry, 2009, 284, 28571-28578.	3.4	159
2	SARS-CoV-2 Cell Entry Factors ACE2 and TMPRSS2 Are Expressed in the Microvasculature and Ducts of Human Pancreas but Are Not Enriched in Î² Cells. Cell Metabolism, 2020, 32, 1028-1040.e4.	16.2	148
3	Human Beta Cells Produce and Release Serotonin to Inhibit Glucagon Secretion from Alpha Cells. Cell Reports, 2016, 17, 3281-3291.	6.4	146
4	The Pericyte of the Pancreatic Islet Regulates Capillary Diameter and Local Blood Flow. Cell Metabolism, 2018, 27, 630-644.e4.	16.2	135
5	Young capillary vessels rejuvenate aged pancreatic islets. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17612-17617.	7.1	79
6	ER-localized bestrophin 1 activates Ca2+-dependent ion channels TMEM16A and SK4 possibly by acting as a counterion channel. Pflugers Archiv European Journal of Physiology, 2010, 459, 485-497.	2.8	75
7	Mouse pancreatic islet macrophages use locally released ATP to monitor beta cell activity. Diabetologia, 2018, 61, 182-192.	6.3	74
8	AMPK controls epithelial Na+ channels through Nedd4-2 and causes an epithelial phenotype when mutated. Pflugers Archiv European Journal of Physiology, 2009, 458, 713-721.	2.8	64
9	Î²-arrestin-2 is an essential regulator of pancreatic Î²-cell function under physiological and pathophysiological conditions. Nature Communications, 2017, 8, 14295.	12.8	63
10	Mechanism and effects of pulsatile GABA secretion from cytosolic pools in the human beta cell. Nature Metabolism, 2019, 1, 1110-1126.	11.9	59
11	Role of the Ca2+-activated Cl- channels bestrophin and anoctamin in epithelial cells. Biological Chemistry, 2011, 392, 125-34.	2.5	56
12	Pancreas tissue slices from organ donors enable in situ analysis of type 1 diabetes pathogenesis. JCI Insight, 2020, 5, .	5.0	53
13	High-Content siRNA Screen Reveals Global ENaC Regulators and Potential Cystic Fibrosis Therapy Targets. Cell, 2013, 154, 1390-1400.	28.9	50
14	Beta cell dysfunction in diabetes: the islet microenvironment as an unusual suspect. Diabetologia, 2020, 63, 2076-2085.	6.3	48
15	Pancreatic Î²-Cells Communicate With Vagal Sensory Neurons. Gastroenterology, 2021, 160, 875-888.e11.	1.3	47
16	Regulation of the Epithelial Na+ Channel by the Protein Kinase CK2. Journal of Biological Chemistry, 2008, 283, 13225-13232.	3.4	38
17	Long-term culture of human pancreatic slices as a model to study real-time islet regeneration. Nature Communications, 2020, 11, 3265.	12.8	34
18	Regulation of Clâ¯ secretion by AMPK in vivo. Pflugers Archiv European Journal of Physiology, 2009, 457, 1071-1078.	2.8	32

#	Article	IF	Citations
19	Spatial and temporal coordination of insulin granule exocytosis in intact human pancreatic islets. Diabetologia, 2015, 58, 2810-2818.	6.3	30
20	Secretory Functions of Macrophages in the Human Pancreatic Islet Are Regulated by Endogenous Purinergic Signaling. Diabetes, 2020, 69, 1206-1218.	0.6	29
21	Islet pericytes convert into profibrotic myofibroblasts in a mouse model of islet vascular fibrosis. Diabetologia, 2020, 63, 1564-1575.	6.3	23
22	Functional Genomics Assays to Study CFTR Traffic and ENaC Function. Methods in Molecular Biology, 2011, 742, 249-264.	0.9	19
23	Regulation of ENaC biogenesis by the stress response protein SERP1. Pflugers Archiv European Journal of Physiology, 2012, 463, 819-827.	2.8	14
24	Blood Flow in the Pancreatic Islet: Not so Isolated Anymore. Diabetes, 2020, 69, 1336-1338.	0.6	14
25	Heterogeneity of Diabetes: Î²-Cells, Phenotypes, and Precision Medicine: Proceedings of an International Symposium of the Canadian Institutes of Health Researchâ€™s Institute of Nutrition, Metabolism and Diabetes and the U.S. National Institutes of Healthâ€™s National Institute of Diabetes and Digestive and Kidney Diseases. Diabetes Care, 2022, 45, 3-22.	8.6	14
26	IADS, a Decomposition Product of DIDS Activates a Cation Conductance in Xenopus Oocytes and Human Erythrocytes: New Compound for the Diagnosis of Cystic Fibrosis. Cellular Physiology and Biochemistry, 2006, 18, 243-252.	1.6	13
27	Regulator of Gâ€protein signaling GÎ²5â€R7 is a crucial activator of muscarinic M3 receptorâ€stimulated insulin secretion. FASEB Journal, 2017, 31, 4734-4744.	0.5	13
28	Functional Characterization of the Human Islet Microvasculature Using Living Pancreas Slices. Frontiers in Endocrinology, 2020, 11, 602519.	3.5	11
29	Pericyte Control of Blood Flow in Intraocular Islet Grafts Impacts Glucose Homeostasis in Mice. Diabetes, 2022, 71, 1679-1693.	0.6	10
30	Confocal Imaging of Neuropeptide Y-pHluorin: A Technique to Visualize Insulin Granule Exocytosis in Intact Murine and Human Islets. Journal of Visualized Experiments, 2017, , .	0.3	7
31	Novel roles of mTORC2 in regulation of insulin secretion by actin filament remodeling. American Journal of Physiology - Endocrinology and Metabolism, 2022, 323, E133-E144.	3.5	3
32	Regulator of G-protein signaling Gbeta5-R7 is a crucial activator of muscarinic M3 receptor-stimulated insulin secretion. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-7-34.	0.0	0