Pauline Chabosseau

List of Publications by Year
in descending order

27	1,361	430874	552781
papers	citations	18 h-index	26 g-index

28	28	28	2648
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Targeting GLP-1 receptor trafficking to improve agonist efficacy. Nature Communications, 2018, 9, 1602.	12.8	162
2	Zinc and diabetes. Archives of Biochemistry and Biophysics, 2016, 611, 79-85.	3.0	131
3	The Î±-cell in diabetes mellitus. Nature Reviews Endocrinology, 2018, 14, 694-704.	9.6	103
4	Mitochondrial and ER-Targeted eCALWY Probes Reveal High Levels of Free Zn²⁺. ACS Chemical Biology, 2014, 9, 2111-2120.	3.4	102
5	Loss of ZnT8 function protects against diabetes by enhanced insulin secretion. Nature Genetics, 2019, 51, 1596-1606.	21.4	96
6	An essential role for the Zn2+ transporter ZIP7 in B cell development. Nature Immunology, 2019, 20, 350-361.	14.5	92
7	eZinCh-2: A Versatile, Genetically Encoded FRET Sensor for Cytosolic and Intraorganelle Zn²⁺ Imaging. ACS Chemical Biology, 2015, 10, 2126-2134.	3.4	82
8	SLC30A9 mutation affecting intracellular zinc homeostasis causes a novel cerebro-renal syndrome. Brain, 2017, 140, 928-939.	7.6	72
9	Intracellular zinc in insulin secretion and action: a determinant of diabetes risk?. Proceedings of the Nutrition Society, 2016, 75, 61-72.	1.0	61
10	Decreased STARD10 Expression Is Associated with Defective Insulin Secretion in Humans and Mice. American Journal of Human Genetics, 2017, 100, 238-256.	6.2	60
11	Local and regional control of calcium dynamics in the pancreatic islet. Diabetes, Obesity and Metabolism, 2017, 19, 30-41.	4.4	49
12	The transcription factor Pax6 is required for pancreatic Î² cell identity, glucose-regulated ATP synthesis, and Ca2+ dynamics in adult mice. Journal of Biological Chemistry, 2017, 292, 8892-8906.	3.4	48
13	Neuronatin regulates pancreatic Î² cell insulin content and secretion. Journal of Clinical Investigation, 2018, 128, 3369-3381.	8.2	47
14	Mice harboring the human SLC30A8 R138X loss-of-function mutation have increased insulin secretory capacity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7642-E7649.	7.1	45
15	A Targeted RNAi Screen Identifies Endocytic Trafficking Factors That Control GLP-1 Receptor Signaling in Pancreatic Î²-Cells. Diabetes, 2018, 67, 385-399.	0.6	41
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	Disallowance of Acot7 in Î²-Cells Is Required for Normal Glucose Tolerance and Insulin Secretion. Diabetes, 2016, 65, 1268-1282.	0.6	23
18	Changes in the expression of the type 2 diabetes-associated gene VPS13C in the Î²-cell are associated with glucose intolerance in humans and mice. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E488-E507.	3.5	21

#	Article	IF	Citations
19	Over-expression of Slc30a8/ZnT8 selectively in the mouse Î± cell impairs glucagon release and responses to hypoglycemia. Nutrition and Metabolism, 2016, 13, 46.	3.0	20
20	Intravital imaging of islet Ca2+ dynamics reveals enhanced Î² cell connectivity after bariatric surgery in mice. Nature Communications, 2021, 12, 5165.	12.8	17
21	Dysregulation of the Pdx1/Ovol2/Zeb2 axis in dedifferentiated Î²-cells triggers the induction of genes associated with epithelialâ€“mesenchymal transition in diabetes. Molecular Metabolism, 2021, 53, 101248.	6.5	14
22	Mitofusins Mfn1 and Mfn2 Are Required to Preserve Glucose- but Not Incretin-Stimulated Î²-Cell Connectivity and Insulin Secretion. Diabetes, 2022, 71, 1472-1489.	0.6	14
23	Importance of Both Imprinted Genes and Functional Heterogeneity in Pancreatic Beta Cells: Is There a Link?. International Journal of Molecular Sciences, 2021, 22, 1000.	4.1	10
24	Glucose-Dependent miR-125b Is a Negative Regulator of Î²-Cell Function. Diabetes, 2022, 71, 1525-1545.	0.6	10
25	Sexually dimorphic roles for the type 2 diabetes-associated C2cd4b gene in murine glucose homeostasis. Diabetologia, 2021, 64, 850-864.	6.3	7
26	Opposing effects on regulated insulin secretion of acute vs chronic stimulation of AMP-activated protein kinase. Diabetologia, 2022, 65, 997-1011.	6.3	4
27	Dynamic imaging of compartmentalised intracellular free Zn 2+ concentrations in rat ventricular cardiomyocytes. FASEB Journal, 2015, 29, 951.3.	0.5	0