Kathryn L Corbin

List of Publications by Year
in descending order

16	547	1040056 9	940533 16
papers	citations	h-index	g-index

16	16	16	953
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Practical Guide to Rodent Islet Isolation and Assessment. Biological Procedures Online, 2009, 11, 3-31.	2.9	220
2	Circulating Levels of IL-1B+IL-6 Cause ER Stress and Dysfunction in Islets From Prediabetic Male Mice. Endocrinology, 2013, 154, 3077-3088.	2.8	115
3	Intact pancreatic islets and dispersed beta-cells both generate intracellular calcium oscillations but differ in their responsiveness to glucose. Cell Calcium, 2019, 83, 102081.	2.4	35
4	Stress-induced dissociations between intracellular calcium signaling and insulin secretion in pancreatic islets. Cell Calcium, 2015, 57, 366-375.	2.4	32
5	Islet Hypersensitivity to Glucose Is Associated With Disrupted Oscillations and Increased Impact of Proinflammatory Cytokines in Islets From Diabetes-Prone Male Mice. Endocrinology, 2016, 157, 1826-1838.	2.8	26
6	Reducing Glucokinase Activity Restores Endogenous Pulsatility and Enhances Insulin Secretion in Islets From db/db Mice. Endocrinology, 2018, 159, 3747-3760.	2.8	25
7	Metformin Inhibits Mouse Islet Insulin Secretion and Alters Intracellular Calcium in a Concentration-Dependent and Duration-Dependent Manner near the Circulating Range. Journal of Diabetes Research, 2018, 2018, 1-10.	2.3	23
8	A Practical Guide to Rodent Islet Isolation and Assessment Revisited. Biological Procedures Online, 2021, 23, 7.	2.9	23
9	A novel fluorescence imaging approach for comparative measurements of pancreatic islet function in vitro. Islets, 2011, 3, 14-20.	1.8	20
10	The Capacity to Secrete Insulin Is Dose-Dependent to Extremely High Glucose Concentrations: A Key Role for Adenylyl Cyclase. Metabolites, 2021, 11, 401.	2.9	6
11	Postnatal maturation of calcium signaling in islets of Langerhans from neonatal mice. Cell Calcium, 2021, 94, 102339.	2.4	5
12	Loss of growth hormone signaling in the mouse germline or in adulthood reduces islet mass and alters islet function with notable sex differences. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E1158-E1172.	3.5	5
13	Isolation and Assessment of Pancreatic Islets Versus Dispersed Beta Cells: A Straightforward Approach to Examine Cellâ€“Cell Communication. Methods in Molecular Biology, 2020, 2346, 151-164.	0.9	4
14	Synchrotron fluorescence imaging of individual mouse beta-cells reveals changes in zinc, calcium, and iron in a model of low-grade inflammation. Metallomics, 2021, 13, .	2.4	4
15	Chronic stimulation induces adaptive potassium channel activity that restores calcium oscillations in pancreatic islets in vitro. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E554-E563.	3.5	3
16	Similarities in calcium oscillations between neonatal mouse islets and mature islets exposed to chronic hyperglycemia. Endocrinology, 2022, , .	2.8	1