

Kathryn L Corbin

List of Publications by Year in descending order

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16
papers

547
citations

1040056

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953
citing authors

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