

Michael A Kalwat

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

746
citations

759190

12
h-index

794568

19
g-index

24
all docs

24
docs citations

24
times ranked

1113
citing authors

#	ARTICLE	IF	CITATIONS
1	Signaling mechanisms of glucose-induced F-actin remodeling in pancreatic islet β cells. <i>Experimental and Molecular Medicine</i> , 2013, 45, e37-e37.	7.7	119
2	Mechanisms of the amplifying pathway of insulin secretion in the β cell. , 2017, 179, 17-30.		106
3	Munc18c phosphorylation by the insulin receptor links cell signaling directly to SNARE exocytosis. <i>Journal of Cell Biology</i> , 2011, 193, 185-199.	5.2	64
4	Munc18-1 Regulates First-phase Insulin Release by Promoting Granule Docking to Multiple Syntaxin Isoforms. <i>Journal of Biological Chemistry</i> , 2012, 287, 25821-25833.	3.4	64
5	A p21-activated kinase (PAK1) signaling cascade coordinately regulates F-actin remodeling and insulin granule exocytosis in pancreatic β cells. <i>Biochemical Pharmacology</i> , 2013, 85, 808-816.	4.4	61
6	Stimulus-induced S-Nitrosylation of Syntaxin 4 Impacts Insulin Granule Exocytosis. <i>Journal of Biological Chemistry</i> , 2011, 286, 16344-16354.	3.4	48
7	Gelsolin Associates with the N Terminus of Syntaxin 4 to Regulate Insulin Granule Exocytosis. <i>Molecular Endocrinology</i> , 2012, 26, 128-141.	3.7	40
8	Insulin Promoter-Driven <i>Gussia</i> Luciferase-Based Insulin Secretion Biosensor Assay for Discovery of β -Cell Glucose-Sensing Pathways. <i>ACS Sensors</i> , 2016, 1, 1208-1212.	7.8	39
9	Doc2b Is a Key Effector of Insulin Secretion and Skeletal Muscle Insulin Sensitivity. <i>Diabetes</i> , 2012, 61, 2424-2432.	0.6	38
10	Cool-1/ β PIX functions as a guanine nucleotide exchange factor in the cycling of Cdc42 to regulate insulin secretion. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 301, E1072-E1080.	3.5	37
11	Isoxazole Alters Metabolites and Gene Expression, Decreasing Proliferation and Promoting a Neuroendocrine Phenotype in β -Cells. <i>ACS Chemical Biology</i> , 2016, 11, 1128-1136.	3.4	36
12	Pancreatitis is an FGF21-deficient state that is corrected by replacement therapy. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	29
13	The Pancreatic β -cell Response to Secretory Demands and Adaption to Stress. <i>Endocrinology</i> , 2021, 162, .	2.8	18
14	Sucralose activates an ERK1/2-ribosomal protein S6 signaling axis. <i>FEBS Open Bio</i> , 2017, 7, 174-186.	2.3	15
15	Chromomycin A2 potently inhibits glucose-stimulated insulin secretion from pancreatic β cells. <i>Journal of General Physiology</i> , 2018, 150, 1747-1757.	1.9	9
16	High-Throughput Screening for Insulin Secretion Modulators. <i>Methods in Molecular Biology</i> , 2021, 2233, 131-138.	0.9	6
17	Measuring Relative Insulin Secretion using a Co-Secreted Luciferase Surrogate. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	4
18	β -2-Adrenergic Disruption of β Cell BDNF-TrkB Receptor Tyrosine Kinase Signaling. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 576396.	3.7	4

#	ARTICLE	IF	CITATIONS
19	Small Molecule-mediated Insulin Hypersecretion Induces Transient ER Stress Response and Loss of Beta Cell Function. <i>Endocrinology</i> , 2022, 163, .	2.8	2
20	Correction to Insulin Promoter-Driven <i>Gaussia</i> Luciferase-Based Insulin Secretion Biosensor Assay for Discovery of β -Cell Glucose-Sensing Pathways. <i>ACS Sensors</i> , 2017, 2, 316-316.	7.8	1