

Michael A Kalwat

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

516
citations

12
h-index

22
g-index

24
ext. papers

669
ext. citations

6.2
avg, IF

3.91
L-index

#	Paper	IF	Citations
18	Signaling mechanisms of glucose-induced F-actin remodeling in pancreatic islet β cells. <i>Experimental and Molecular Medicine</i> , 2013 , 45, e37	12.8	82
17	Mechanisms of the amplifying pathway of insulin secretion in the β cell. <i>Pharmacology & Therapeutics</i> , 2017 , 179, 17-30	13.9	62
16	Munc18c phosphorylation by the insulin receptor links cell signaling directly to SNARE exocytosis. <i>Journal of Cell Biology</i> , 2011 , 193, 185-99	7.3	59
15	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, 808-16	6	51
14	Munc18-1 regulates first-phase insulin release by promoting granule docking to multiple syntaxin isoforms. <i>Journal of Biological Chemistry</i> , 2012 , 287, 25821-33	5.4	48
13	Stimulus-induced S-nitrosylation of Syntaxin 4 impacts insulin granule exocytosis. <i>Journal of Biological Chemistry</i> , 2011 , 286, 16344-54	5.4	42
12	Doc2b is a key effector of insulin secretion and skeletal muscle insulin sensitivity. <i>Diabetes</i> , 2012 , 61, 2424-32	0.9	33
11	Gelsolin associates with the N terminus of syntaxin 4 to regulate insulin granule exocytosis. <i>Molecular Endocrinology</i> , 2012 , 26, 128-41		33
10	Cool-1/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, E1072-80	6	31
9	Insulin promoter-driven Gaussia luciferase-based insulin secretion biosensor assay for discovery of β cell glucose-sensing pathways. <i>ACS Sensors</i> , 2016 , 1, 1208-1212	9.2	21
8	Isoxazole Alters Metabolites and Gene Expression, Decreasing Proliferation and Promoting a Neuroendocrine Phenotype in β Cells. <i>ACS Chemical Biology</i> , 2016 , 11, 1128-36	4.9	18
7	Pancreatitis is an FGF21-deficient state that is corrected by replacement therapy. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	16
6	Sucralose activates an ERK1/2-ribosomal protein S6 signaling axis. <i>FEBS Open Bio</i> , 2017 , 7, 174-186	2.7	6
5	Chromomycin A potently inhibits glucose-stimulated insulin secretion from pancreatic β cells. <i>Journal of General Physiology</i> , 2018 , 150, 1747-1757	3.4	5
4	Measuring Relative Insulin Secretion using a Co-Secreted Luciferase Surrogate. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	3
3	β Adrenergic Disruption of β Cell BDNF-TrkB Receptor Tyrosine Kinase Signaling. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 576396	5.7	2
2	β -adrenergic signaling disrupts β cell BDNF-TrkB receptor tyrosine kinase signaling		1

- 1 High-Throughput Screening for Insulin Secretion Modulators. *Methods in Molecular Biology*, **2021**, 2233, 131-138 1.4 ○