

# CITATION REPORT

List of articles citing

## Endogenous Fatty Acids Are Essential Signaling Factors of Pancreatic $\beta$ -Cells and Insulin Secretion

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Diabetes, 2018, 67, 1986-1998.

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#	Paper	IF	Citations
46	Fatty Acids and Insulin Secretion: From FFAR and Near?. <i>Diabetes</i> , <b>2018</b> , 67, 1932-1934	0.9	6
45	Optical tools for understanding the complexity of $\beta$ cell signalling and insulin release. <i>Nature Reviews Endocrinology</i> , <b>2018</b> , 14, 721-737	15.2	23
44	Selective activation of G signaling in adipocytes causes striking metabolic improvements in mice. <i>Molecular Metabolism</i> , <b>2019</b> , 27, 83-91	8.8	18
43	Selective Phosphorylation of Akt/Protein-Kinase B Isoforms in Response to Dietary Cues. <i>Frontiers in Cell and Developmental Biology</i> , <b>2019</b> , 7, 206	5.7	3
42	The Combination of Whole Cell Lipidomics Analysis and Single Cell Confocal Imaging of Fluidity and Micropolarity Provides Insight into Stress-Induced Lipid Turnover in Subcellular Organelles of Pancreatic Beta Cells. <i>Molecules</i> , <b>2019</b> , 24,	4.8	1
41	Nitrobenzyl-based fluorescent photocages for spatial and temporal control of signalling lipids in cells. <i>Chemical Communications</i> , <b>2019</b> , 55, 12288-12291	5.8	6
40	Pancreatic adipocytes mediate hypersecretion of insulin in diabetes-susceptible mice. <i>Metabolism: Clinical and Experimental</i> , <b>2019</b> , 97, 9-17	12.7	16
39	Connecting pancreatic islet lipid metabolism with insulin secretion and the development of type 2 diabetes. <i>Annals of the New York Academy of Sciences</i> , <b>2020</b> , 1461, 53-72	6.5	27
38	Glucose Responsiveness of $\beta$ Cells Depends on Fatty Acids. <i>Experimental and Clinical Endocrinology and Diabetes</i> , <b>2020</b> , 128, 644-653	2.3	1
37	Lipid-associated metabolic signalling networks in pancreatic beta cell function. <i>Diabetologia</i> , <b>2020</b> , 63, 10-20	10.3	26
36	Palmitate and oleate modify membrane fluidity and kinase activities of INS-1E $\beta$ cells alongside altered metabolism-secretion coupling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2020</b> , 1867, 118619	4.9	10
35	Stearoyl CoA desaturase is a gatekeeper that protects human beta cells against lipotoxicity and maintains their identity. <i>Diabetologia</i> , <b>2020</b> , 63, 395-409	10.3	16
34	Chemical Biology Toolbox for Studying Pancreatic Islet Function - A Perspective. <i>Cell Chemical Biology</i> , <b>2020</b> , 27, 1015-1031	8.2	3
33	Reversible spatial and temporal control of lipid signaling. <i>Chemical Communications</i> , <b>2020</b> , 56, 10646-10649	6.49	3
32	Metabolic regulation of calcium signaling in beta cells. <i>Seminars in Cell and Developmental Biology</i> , <b>2020</b> , 103, 20-30	7.5	22
31	Use of DREADD Technology to Identify Novel Targets for Antidiabetic Drugs. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2021</b> , 61, 421-440	17.9	11
30	Adipocyte-specific deletion of Tcf7l2 induces dysregulated lipid metabolism and impairs glucose tolerance in mice. <i>Diabetologia</i> , <b>2021</b> , 64, 129-141	10.3	6

29	βCell Dysfunction, Hepatic Lipid Metabolism, and Cardiovascular Health in Type 2 Diabetes: New Directions of Research and Novel Therapeutic Strategies. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	7
28	Free fatty acid receptor 4 inhibitory signaling in delta cells regulates islet hormone secretion in mice. <i>Molecular Metabolism</i> , <b>2021</b> , 45, 101166	8.8	7
27	Hyperinsulinemia and insulin resistance in the obese may develop as part of a homeostatic response to elevated free fatty acids: A mechanistic case-control and a population-based cohort study. <i>EBioMedicine</i> , <b>2021</b> , 65, 103264	8.8	12
26	Chemogenetic approaches to identify metabolically important GPCR signaling pathways: Therapeutic implications. <i>Journal of Neurochemistry</i> , <b>2021</b> , 158, 603-620	6	4
25	GLP-1-Induced AMPK Activation Inhibits PARP-1 and Promotes LXR-Mediated ABCA1 Expression to Protect Pancreatic βCells Against Cholesterol-Induced Toxicity Through Cholesterol Efflux. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 646113	5.7	6
24	Olive Oil Lipophenols Induce Insulin Secretion in 832/13 βCell Models. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	1
23	The Pancreatic βcell Response to Secretory Demands and Adaption to Stress. <i>Endocrinology</i> , <b>2021</b> , 162,	4.8	2
22	Targeting lipid GPCRs to treat type2 diabetes mellitus - progress and challenges. <i>Nature Reviews Endocrinology</i> , <b>2021</b> , 17, 162-175	15.2	15
21	Reduced expression of TCF7L2 in adipocyte impairs glucose tolerance associated with decreased insulin secretion, incretins levels and lipid metabolism dysregulation in male mice.		1
20	Berberine induces lipolysis in porcine adipocytes by activating the AMP-activated protein kinase pathway. <i>Molecular Medicine Reports</i> , <b>2020</b> , 21, 2603-2614	2.9	3
19	GLUCOSE EXCHANGE DISORDERS IN PATIENTS TAKING GLUCOCORTICOSTEROIDS: FEATURES OF CLINICAL MANIFESTATIONS AND CORRECTION. <i>Kuban Scientific Medical Bulletin</i> , <b>2019</b> , 26, 209-218	0.2	
18	ATP is an essential autocrine factor for pancreatic βcell signaling and insulin secretion.. <i>Physiological Reports</i> , <b>2022</b> , 10, e15159	2.6	
17	More than meets the islet: Aligning nutrient and paracrine inputs with hormone secretion in health and disease.. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2022</b> ,	6	2
16	Image_1.TIF. <b>2019</b> ,		
15	Image_2.TIF. <b>2019</b> ,		
14	Image_3.JPEG. <b>2019</b> ,		
13	Image_4.TIF. <b>2019</b> ,		
12	Image_5.TIF. <b>2019</b> ,		

11 Video\_1.AVI. 2019,

10 Video\_2.AVI. 2019,

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2 PI3K and AKT at the Interface of Signaling and Metabolism. 2022, 311-336 0

1 Remnant Cholesterol Is an Independent Predictor of Type 2 Diabetes: A Nationwide Population-Based Cohort Study. 0