Marc Prentki

List of Publications by Year
in descending order

39	2,902	201674 27	302126 39
papers	citations	h-index	g-index
39	39	39	4055
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Malonyl-CoA Signaling, Lipid Partitioning, and Glucolipotoxicity: Role in Â-Cell Adaptation and Failure in the Etiology of Diabetes. Diabetes, 2002, 51, S405-S413.	0.6	380
2	Mammary adipocytes stimulate breast cancer invasion through metabolic remodeling of tumor cells. JCI Insight, 2017, 2, e87489.	5.0	304
3	Glycerolipid Metabolism and Signaling in Health and Disease. Endocrine Reviews, 2008, 29, 647-676.	20.1	242
4	Insulin Resistance as a Physiological Defense Against Metabolic Stress: Implications for the Management of Subsets of Type 2 Diabetes. Diabetes, 2015, 64, 673-686.	0.6	165
5	Oleate Promotes the Proliferation of Breast Cancer Cells via the G Protein-coupled Receptor GPR40. Journal of Biological Chemistry, 2005, 280, 13285-13291.	3.4	154
6	The Role of Long-Chain Fatty Acyl-CoA Esters in Î²-Cell Signal Transduction. Journal of Nutrition, 2000, 130, 299S-304S.	2.9	147
7	Î±/Î²-Hydrolase Domain-6-Accessible Monoacylglycerol Controls Glucose-Stimulated Insulin Secretion. Cell Metabolism, 2014, 19, 993-1007.	16.2	125
8	Glycerolipid/free fatty acid cycle and islet Î²-cell function in health, obesity and diabetes. Molecular and Cellular Endocrinology, 2012, 353, 88-100.	3.2	124
9	Glucose and glucoincretin peptides synergize to induce câ€‹<i>fos</i>, câ€‹<i>jun</i>,<i>junB</i>,<i>zif</i>â€‹268, and nurâ€‹<i>77</i>gene expression in pancreatic Î²(INSâ€‹1) cells. FASEB Journal, 1998, 12, 1173-1182.	0.5	97
10	Nutrient-Induced Metabolic Stress, Adaptation, Detoxification, and Toxicity in the Pancreatic Î²-Cell. Diabetes, 2020, 69, 279-290.	0.6	92
11	Identification of a mammalian glycerol-3-phosphate phosphatase: Role in metabolism and signaling in pancreatic Î²-cells and hepatocytes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E430-9.	7.1	88
12	Metabolic Inflexibility Impairs Insulin Secretion and Results In MODY-like Diabetes in Triple FoxO-Deficient Mice. Cell Metabolism, 2014, 20, 593-602.	16.2	86
13	Defective insulin secretory response to intravenous glucose in C57Bl/6J compared to C57Bl/6N mice. Molecular Metabolism, 2014, 3, 848-854.	6.5	77
14	Monoacylglycerol signalling and ABHD6 in health and disease. Diabetes, Obesity and Metabolism, 2017, 19, 76-89.	4.4	62
15	Î±/Î²-Hydrolase Domain 6 Deletion Induces Adipose Browning and Prevents Obesity and Type 2 Diabetes. Cell Reports, 2016, 14, 2872-2888.	6.4	61
16	Lipid-associated metabolic signalling networks in pancreatic beta cell function. Diabetologia, 2020, 63, 10-20.	6.3	58
17	Lipid rather than glucose metabolism is implicated in altered insulin secretion caused by oleate in INS-1 cells. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E521-E528.	3.5	55
18	Upregulation of cellular triacylglycerol â€“ free fatty acid cycling by oleate is associated with long-term serum-free survival of human breast cancer cells. Biochemistry and Cell Biology, 2007, 85, 301-310.	2.0	49

#	ARTICLE	IF	CITATIONS
19	FoxO1 Deacetylation Decreases Fatty Acid Oxidation in Î²-Cells and Sustains Insulin Secretion in Diabetes. Journal of Biological Chemistry, 2016, 291, 10162-10172.	3.4	49
20	The multi-faces of Angptl8 in health and disease: Novel functions beyond lipoprotein lipase modulation. Progress in Lipid Research, 2020, 80, 101067.	11.6	48
21	Glycerol-3-phosphate phosphatase/PGP: Role in intermediary metabolism and target for cardiometabolic diseases. Biochimie, 2017, 143, 18-28.	2.6	43
22	Simplified assays of lipolysis enzymes for drug discovery and specificity assessment of known inhibitors. Journal of Lipid Research, 2016, 57, 131-141.	4.2	42
23	Essentiality of intron control in the induction of câ€<i>fos</i>by glucose and glucoincretin peptides in INSâ€1 Î²â€cells. FASEB Journal, 2000, 14, 128-136.	0.5	34
24	Î±/Î²-Hydrolase domain-6 and saturated long chain monoacylglycerol regulate insulin secretion promoted by both fuel and non-fuel stimuli. Molecular Metabolism, 2015, 4, 940-950.	6.5	32
25	BaZiBuShen alleviates altered testicular morphology and spermatogenesis and modulates Sirt6/P53 and Sirt6/NF-Îº B pathways in aging mice induced by D-galactose and NaNO2. Journal of Ethnopharmacology, 2021, 271, 113810.	4.1	32
26	Intensive insulin for type 2 diabetes: the risk of causing harm. Lancet Diabetes and Endocrinology,the, 2013, 1, 9-10.	11.4	31
27	Blocking mitochondrial pyruvate import in brown adipocytes induces energy wasting via lipid cycling. EMBO Reports, 2020, 21, e49634.	4.5	31
28	Î±/Î²-Hydrolase Domain 6 in the Ventromedial Hypothalamus Controls Energy Metabolism Flexibility. Cell Reports, 2016, 17, 1217-1226.	6.4	29
29	microRNA-375 regulates glucose metabolism-related signaling for insulin secretion. Journal of Endocrinology, 2020, 244, 189-200.	2.6	27
30	Differential Insulin Secretion of High-Fat Diet-Fed C57BL/6NN and C57BL/6NJ Mice: Implications of Mixed Genetic Background in Metabolic Studies. PLoS ONE, 2016, 11, e0159165.	2.5	24
31	Neutral sphingomyelinaseâ€2 and cardiometabolic diseases. Obesity Reviews, 2021, 22, e13248.	6.5	21
32	Age-Dependent Control of Energy Homeostasis by Brown Adipose Tissue in Progeny Subjected to Maternal Dietâ€"Induced Fetal Programming. Diabetes, 2017, 66, 627-639.	0.6	20
33	Adipose ABHD6 regulates tolerance to cold and thermogenic programs. JCI Insight, 2020, 5, .	5.0	20
34	BaZiBuShen alleviates cognitive deficits and regulates Sirt6/NRF2/HO-1 and Sirt6/P53-PGC-1Î±-TERT signaling pathways in aging mice. Journal of Ethnopharmacology, 2022, 282, 114653.	4.1	17
35	Phosphoglycolate phosphatase homologs act as glycerol-3-phosphate phosphatase to control stress and healthspan in C. elegans. Nature Communications, 2022, 13, 177.	12.8	16
36	Dietary citrate acutely induces insulin resistance and markers of liver inflammation in mice. Journal of Nutritional Biochemistry, 2021, 98, 108834.	4.2	7

#	Article	IF	Citations
37	Glycerol-3-phosphate phosphatase operates a glycerol shunt in pancreatic Î²-cells that controls insulin secretion and metabolic stress. Molecular Metabolism, 2022, 60, 101471.	6.5	5
38	Response to Comments on Nolan et al. Insulin Resistance as a Physiological Defense Against Metabolic Stress: Implications for the Management of Subsets of Type 2 Diabetes. Diabetes 2015;64:673â€"686. Diabetes, 2015, 64, e38-e39.	0.6	4
39	Elevated Expression of Glycerol-3-Phosphate Phosphatase as a Biomarker of Poor Prognosis and Aggressive Prostate Cancer. Cancers, 2021, 13, 1273.	3.7	4