Melkam A Kebede

List of Publications by Year
in descending order

36 papers	1,437 citations	361045 20 h-index	414034 32 g-index
39 all docs	39 docs citations	39 times ranked	2373 citing authors

#	Article	IF	Citations
1	Branched-chain amino acids impact health and lifespan indirectly via amino acid balance and appetite control. Nature Metabolism, 2019, 1, 532-545.	5.1	207
2	The Fatty Acid Receptor GPR40 Plays a Role in Insulin Secretion In Vivo After High-Fat Feeding. Diabetes, 2008, 57, 2432-2437.	0.3	151
3	Deletion of GPR40 Impairs Glucose-Induced Insulin Secretion In Vivo in Mice Without Affecting Intracellular Fuel Metabolism in Islets. Diabetes, 2009, 58, 2607-2615.	0.3	118
4	Lipid receptors and islet function: therapeutic implications?. Diabetes, Obesity and Metabolism, 2009, 11, 10-20.	2.2	101
5	Increased nicotinamide nucleotide transhydrogenase levels predispose to insulin hypersecretion in a mouse strain susceptible to diabetes. Diabetologia, 2007, 50, 2476-2485.	2.9	71
6	High dietary fat and sucrose result in an extensive and time-dependent deterioration in health of multiple physiological systems in mice. Journal of Biological Chemistry, 2018, 293, 5731-5745.	1.6	65
7	Modulation of central leptin sensitivity and energy balance in a rat model of diet-induced obesity. Diabetes, Obesity and Metabolism, 2007, 9, 840-852.	2.2	61
8	Glucose activates free fatty acid receptor 1 gene transcription via phosphatidylinositol-3-kinase-dependent <i>O</i> -GlcNAcylation of pancreas-duodenum homeobox-1. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2376-2381.	3.3	56
9	The influence of genetic background on the induction of oxidative stress and impaired insulin secretion in mouse islets. Diabetologia, 2006, 49, 1254-1263.	2.9	53
10	SORCS1 is necessary for normal insulin secretory granule biogenesis in metabolically stressed Î² cells. Journal of Clinical Investigation, 2014, 124, 4240-4256.	3.9	53
11	Fructose-1,6-Bisphosphatase Overexpression in Pancreatic Î²-Cells Results in Reduced Insulin Secretion. Diabetes, 2008, 57, 1887-1895.	0.3	52
12	Impact of dietary carbohydrate type and proteinâ€“carbohydrate interaction on metabolic health. Nature Metabolism, 2021, 3, 810-828.	5.1	42
13	The Transcription Factor Nfatc2 Regulates Î²-Cell Proliferation and Genes Associated with Type 2 Diabetes in Mouse and Human Islets. PLoS Genetics, 2016, 12, e1006466.	1.5	40
14	Structural and functional polarisation of human pancreatic beta cells in islets from organ donors with and without type 2 diabetes. Diabetologia, 2021, 64, 618-629.	2.9	40
15	Expression of Human Fructose-1,6-Bisphosphatase in the Liver of Transgenic Mice Results in Increased Glycerol Gluconeogenesis. Endocrinology, 2006, 147, 2764-2772.	1.4	36
16	High glucose-induced impairment in insulin secretion is associated with reduction in islet glucokinase in a mouse model of susceptibility to islet dysfunction. Journal of Molecular Endocrinology, 2005, 35, 39-48.	1.1	35
17	TRAIL-Expressing Monocyte/Macrophages Are Critical for Reducing Inflammation and Atherosclerosis. IScience, 2019, 12, 41-52.	1.9	33
18	Insights into obesity and diabetes at the intersection of mouse and human genetics. Trends in Endocrinology and Metabolism, 2014, 25, 493-501.	3.1	32

#	Article	IF	Citations
19	Zinc, insulin, and the liver: a mÃ©nage Ã trois. Journal of Clinical Investigation, 2013, 123, 4136-4139.	3.9	26
20	Inside the Insulin Secretory Granule. Metabolites, 2021, 11, 515.	1.3	24
21	ABHD15 regulates adipose tissue lipolysis and hepatic lipid accumulation. Molecular Metabolism, 2019, 25, 83-94.	3.0	22
22	A fluorescent timer reporter enables sorting of insulin secretory granules by age. Journal of Biological Chemistry, 2020, 295, 8901-8911.	1.6	22
23	Enhanced structure and function of human pluripotent stem cell-derived beta-cells cultured on extracellular matrix. Stem Cells Translational Medicine, 2021, 10, 492-505.	1.6	19
24	Arp2/3 nucleates F-actin coating of fusing insulin granules in pancreatic Î² cells to control insulin secretion. Journal of Cell Science, 2020, 133, .	1.2	14
25	Isolation and Proteomics of the Insulin Secretory Granule. Metabolites, 2021, 11, 288.	1.3	13
26	Proteomic pathways to metabolic disease and type 2 diabetes in the pancreatic islet. IScience, 2021, 24, 103099.	1.9	12
27	Pancreatic Î²-Cellâ€"Specific Deletion of VPS41 Causes Diabetes Due to Defects in Insulin Secretion. Diabetes, 2021, 70, 436-448.	0.3	10
28	Type 2 diabetes-associated single nucleotide polymorphism in Sorcs1 gene results in alternative processing of the Sorcs1 protein in INS1 Î²-cells. Scientific Reports, 2019, 9, 19466.	1.6	9
29	Free Fatty Acid Receptor 1: A New Drug Target for Type 2 Diabetes?. Canadian Journal of Diabetes, 2012, 36, 275-280.	0.4	8
30	Dual-Reporter Î²-Cell-Specific Male Transgenic Rats for the Analysis of Î²-Cell Functional Mass and Enrichment by Flow Cytometry. Endocrinology, 2016, 157, 1299-1306.	1.4	3
31	Machine Learning Algorithms, Applied to Intact Islets of Langerhans, Demonstrate Significantly Enhanced Insulin Staining at the Capillary Interface of Human Pancreatic Î² Cells. Metabolites, 2021, 11, 363.	1.3	3
32	Targeting the insulin granule for modulation of insulin exocytosis. Biochemical Pharmacology, 2021, 194, 114821.	2.0	3
33	Sorcs1: From diabetes quantitative trait locus to cellular function. Diabetes Research and Clinical Practice, 2016, 120, S25.	1.1	0
34	Islet Biology and Metabolism. Metabolites, 2021, 11, 786.	1.3	0
35	P.165: Engineering Functionally Mature Human Pluripotent Stem Cell-derived Beta-Cells by Modifying the Beta-cell Niche. Transplantation, 2021, 105, S69-S69.	0.5	0
36	Regulated Versus Constitutive Secretion â€" A Major Form of Intercellular Communication. , 2022, , .		0