# Melkam A Kebede

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Regulated Versus Constitutive Secretion â€“ A Major Form of Intercellular Communication. , 2022, , . | | 0 |
| 2 | 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 |
| 3 | Pancreatic Î²-Cellâ€"Specific Deletion of VPS41 Causes Diabetes Due to Defects in Insulin Secretion. Diabetes, 2021, 70, 436-448. | 0.3 | 10 |
| 4 | Isolation and Proteomics of the Insulin Secretory Granule. Metabolites, 2021, 11, 288. | 1.3 | 13 |
| 5 | 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 |
| 6 | Impact of dietary carbohydrate type and proteinâ€"carbohydrate interaction on metabolic health. Nature Metabolism, 2021, 3, 810-828. | 5.1 | 42 |
| 7 | Inside the Insulin Secretory Granule. Metabolites, 2021, 11, 515. | 1.3 | 24 |
| 8 | Proteomic pathways to metabolic disease and type 2 diabetes in the pancreatic islet. IScience, 2021, 24, 103099. | 1.9 | 12 |
| 9 | 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 |
| 10 | Targeting the insulin granule for modulation of insulin exocytosis. Biochemical Pharmacology, 2021, 194, 114821. | 2.0 | 3 |
| 11 | Islet Biology and Metabolism. Metabolites, 2021, 11, 786. | 1.3 | 0 |
| 12 | 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 |
| 13 | 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 |
| 14 | A fluorescent timer reporter enables sorting of insulin secretory granules by age. Journal of Biological Chemistry, 2020, 295, 8901-8911. | 1.6 | 22 |
| 15 | TRAIL-Expressing Monocyte/Macrophages Are Critical for Reducing Inflammation and Atherosclerosis. IScience, 2019, 12, 41-52. | 1.9 | 33 |
| 16 | ABHD15 regulates adipose tissue lipolysis and hepatic lipid accumulation. Molecular Metabolism, 2019, 25, 83-94. | 3.0 | 22 |
| 17 | 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 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | 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 |
| 21 | Sorcs1: From diabetes quantitative trait locus to cellular function. Diabetes Research and Clinical Practice, 2016, 120, S25. | 1.1 | 0 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | Zinc, insulin, and the liver: a mÃ©nage Ã trois. Journal of Clinical Investigation, 2013, 123, 4136-4139. | 3.9 | 26 |
| 26 | 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 |
| 27 | Free Fatty Acid Receptor 1: A New Drug Target for Type 2 Diabetes?. Canadian Journal of Diabetes, 2012, 36, 275-280. | 0.4 | 8 |
| 28 | 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 |
| 29 | Lipid receptors and islet function: therapeutic implications?. Diabetes, Obesity and Metabolism, 2009, 11, 10-20. | 2.2 | 101 |
| 30 | 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 |
| 31 | Fructose-1,6-Bisphosphatase Overexpression in Pancreatic Î²-Cells Results in Reduced Insulin Secretion. Diabetes, 2008, 57, 1887-1895. | 0.3 | 52 |
| 32 | 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 |
| 33 | Increased nicotinamide nucleotide transhydrogenase levels predispose to insulin hypersecretion in a mouse strain susceptible to diabetes. Diabetologia, 2007, 50, 2476-2485. | 2.9 | 71 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |