Jonathan Lou S Esguerra

List of Publications by Year
in descending order

46 papers	3,273 citations	159585 30 h-index	233421 45 g-index
50 all docs	50 docs citations	50 times ranked	5249 citing authors

#	Article	IF	Citations
1	Global genomic and transcriptomic analysis of human pancreatic islets reveals novel genes influencing glucose metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13924-13929.	7.1	407
2	A Systems Genetics Approach Identifies Genes and Pathways for Type 2 Diabetes in Human Islets. Cell Metabolism, 2012, 16, 122-134.	16.2	323
3	MicroRNA-7a regulates pancreatic Î² cell function. Journal of Clinical Investigation, 2014, 124, 2722-2735.	8.2	251
4	Sex differences in the genome-wide DNA methylation pattern and impact on gene expression, microRNA levels and insulin secretion in human pancreatic islets. Genome Biology, 2014, 15, 522.	8.8	195
5	Differential Glucose-Regulation of MicroRNAs in Pancreatic Islets of Non-Obese Type 2 Diabetes Model Goto-Kakizaki Rat. PLoS ONE, 2011, 6, e18613.	2.5	167
6	Secreted Frizzled-Related Protein 4 Reduces Insulin Secretion and Is Overexpressed in Type 2 Diabetes. Cell Metabolism, 2012, 16, 625-633.	16.2	166
7	Argonaute2 Mediates Compensatory Expansion of the Pancreatic Î² Cell. Cell Metabolism, 2014, 19, 122-134.	16.2	139
8	Beta-Cell Specific Deletion of Dicer1 Leads to Defective Insulin Secretion and Diabetes Mellitus. PLoS ONE, 2011, 6, e29166.	2.5	128
9	Whole-Genome Bisulfite Sequencing of Human Pancreatic Islets Reveals Novel Differentially Methylated Regions in Type 2 Diabetes Pathogenesis. Diabetes, 2017, 66, 1074-1085.	0.6	122
10	Reduced insulin secretion correlates with decreased expression of exocytotic genes in pancreatic islets from patients with type 2 diabetes. Molecular and Cellular Endocrinology, 2012, 364, 36-45.	3.2	111
11	CFTR and Anoctamin 1 (ANO1) contribute to cAMP amplified exocytosis and insulin secretion in human and murine pancreatic beta-cells. BMC Medicine, 2014, 12, 87.	5.5	106
12	Differences in islet-enriched miRNAs in healthy and glucose intolerant human subjects. Biochemical and Biophysical Research Communications, 2011, 404, 16-22.	2.1	93
13	Nova1 is a master regulator of alternative splicing in pancreatic beta cells. Nucleic Acids Research, 2014, 42, 11818-11830.	14.5	71
14	Role of nonâ€coding <scp>RNA</scp>s in pancreatic betaâ€cell development and physiology. Acta Physiologica, 2014, 211, 273-284.	3.8	67
15	Elevated miR-130a/miR130b/miR-152 expression reduces intracellular ATP levels in the pancreatic beta cell. Scientific Reports, 2017, 7, 44986.	3.3	64
16	Functional importance of individual rRNA 2'-O-ribose methylations revealed by high-resolution phenotyping. Rna, 2008, 14, 649-656.	3.5	59
17	Identification of islet-enriched long non-coding RNAs contributing to Î²-cell failure in type 2 diabetes. Molecular Metabolism, 2017, 6, 1407-1418.	6.5	57
18	Neuron-enriched RNA-binding Proteins Regulate Pancreatic Beta Cell Function and Survival. Journal of Biological Chemistry, 2017, 292, 3466-3480.	3.4	56

#	Article	IF	Citations
19	A circular RNA generated from an intron of the insulin gene controls insulin secretion. Nature Communications, 2020, 11, 5611.	12.8	51
20	CD46 Activation Regulates miR-150â€“Mediated Control of GLUT1 Expression and Cytokine Secretion in Human CD4+ T Cells. Journal of Immunology, 2016, 196, 1636-1645.	0.8	48
21	Transcriptional regulation of the miR-212/miR-132 cluster in insulin-secreting Î²-cells by cAMP-regulated transcriptional co-activator 1 and salt-inducible kinases. Molecular and Cellular Endocrinology, 2016, 424, 23-33.	3.2	46
22	Modulation of micro<scp>RNA</scp>â€375 expression alters voltageâ€gated Na⁺ channel properties and exocytosis in insulinâ€secreting cells. Acta Physiologica, 2015, 213, 882-892.	3.8	45
23	MicroRNAs in islet hormone secretion. Diabetes, Obesity and Metabolism, 2018, 20, 11-19.	4.4	45
24	TIGER: The gene expression regulatory variation landscape of human pancreatic islets. Cell Reports, 2021, 37, 109807.	6.4	45
25	miR-483-5p associates with obesity and insulin resistance and independently associates with new onset diabetes mellitus and cardiovascular disease. PLoS ONE, 2018, 13, e0206974.	2.5	38
26	Glucocorticoid induces human beta cell dysfunction by involving riborepressor GAS5 LincRNA. Molecular Metabolism, 2020, 32, 160-167.	6.5	37
27	Regulation of Pancreatic Beta Cell Stimulus-Secretion Coupling by microRNAs. Genes, 2014, 5, 1018-1031.	2.4	37
28	Functional implications of long non-coding RNAs in the pancreatic islets of Langerhans. Frontiers in Genetics, 2014, 5, 209.	2.3	35
29	MicroRNA Networks in Pancreatic Islet Cells: Normal Function and Type 2 Diabetes. Diabetes, 2020, 69, 804-812.	0.6	35
30	Potential Protection Against Type 2 Diabetes in Obesity Through Lower CD36 Expression and Improved Exocytosis in Î²-Cells. Diabetes, 2020, 69, 1193-1205.	0.6	34
31	In Vivo Silencing of MicroRNA-132 Reduces Blood Glucose and Improves Insulin Secretion. Nucleic Acid Therapeutics, 2019, 29, 67-72.	3.6	28
32	Islet microRNAs in health and type-2 diabetes. Current Opinion in Pharmacology, 2018, 43, 46-52.	3.5	27
33	MiRâ€335 overexpression impairs insulin secretion through defective priming of insulin vesicles. Physiological Reports, 2017, 5, e13493.	1.7	25
34	Dual Effect of Rosuvastatin on Glucose Homeostasis Through Improved Insulin Sensitivity and Reduced Insulin Secretion. EBioMedicine, 2016, 10, 185-194.	6.1	20
35	Human Islet MicroRNA-200c Is Elevated in Type 2 Diabetes and Targets the Transcription Factor ETV5 to Reduce Insulin Secretion. Diabetes, 2022, 71, 275-284.	0.6	14
36	Endogenous beta-cell CART regulates insulin secretion and transcription of beta-cell genes. Molecular and Cellular Endocrinology, 2017, 447, 52-60.	3.2	12

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37	Transcriptional analysis of islets of Langerhans from organ donors of different ages. PLoS ONE, 2021, 16, e0247888.	2.5	12
38	Selectively Bred Diabetes Models: GK Rats, NSY Mice, and ON Mice. Methods in Molecular Biology, 2020, 2128, 25-54.	0.9	12
39	Synapsins I and II Are Not Required for Insulin Secretion from Mouse Pancreatic Î²-cells. Endocrinology, 2012, 153, 2112-2119.	2.8	10
40	Replication study reveals miR-483-5p as an important target in prevention of cardiometabolic disease. BMC Cardiovascular Disorders, 2021, 21, 162.	1.7	9
41	Human pancreatic islet miRNA-mRNA networks of altered miRNAs due to glycemic status. IScience, 2022, 25, 103995.	4.1	7
42	Lessons from basic pancreatic beta cell research in type-2 diabetes and vascular complications. Diabetology International, 2017, 8, 139-152.	1.4	5
43	Differential DNA Methylation and Expression of miRNAs in Adipose Tissue From Twin Pairs Discordant for Type 2 Diabetes. Diabetes, 2021, 70, 2402-2418.	0.6	5
44	Diagnostic potential of miR-483 family for IGF-II producing non-islet cell tumor hypoglycemia. European Journal of Endocrinology, 2021, 184, 41-49.	3.7	4
45	Confluence does not affect the expression of miR-375 and its direct targets in rat and human insulin-secreting cell lines. PeerJ, 2017, 5, e3503.	2.0	3
46	MicroRNA profiles of CD46-stimulated T cells. Molecular Immunology, 2011, 48, 1691.	2.2	0