Mariana Igoillo-Esteve

List of Publications by Citations

38 papers	2,289 citations	22 h-index	39 g-index
39 ext. papers	2,715 ext. citations	5.2 avg, IF	4.43 L-index

#	Paper	IF	Citations
38	The human pancreatic islet transcriptome: expression of candidate genes for type 1 diabetes and the impact of pro-inflammatory cytokines. *PLoS Genetics*, **2012**, 8, e1002552	6	313
37	DNA methylation profiling identifies epigenetic dysregulation in pancreatic islets from type 2 diabetic patients. *EMBO Journal*, **2012**, 31, 1405-26	13	301
36	RNA sequencing identifies dysregulation of the human pancreatic islet transcriptome by the saturated fatty acid palmitate. *Diabetes*, **2014**, 63, 1978-93	0.9	174
35	Glucagon-like peptide-1 agonists protect pancreatic beta-cells from lipotoxic endoplasmic reticulum stress through upregulation of BiP and JunB. *Diabetes*, **2009**, 58, 2851-62	0.9	172
34	Cytokines induce endoplasmic reticulum stress in human, rat and mouse beta cells via different mechanisms. *Diabetologia*, **2015**, 58, 2307-16	10.3	131
33	Endoplasmic reticulum stress and eIF2□phosphorylation: The Achilles heel of pancreatic □cells. *Molecular Metabolism*, **2017**, 6, 1024-1039	8.8	129
32	STAT1 is a master regulator of pancreatic {beta}-cell apoptosis and islet inflammation. *Journal of Biological Chemistry*, **2011**, 286, 929-41	5.4	116
31	Ubiquitin fold modifier 1 (UFM1) and its target UFBP1 protect pancreatic beta cells from ER stress-induced apoptosis. *PLoS ONE*, **2011**, 6, e18517	3.7	116
30	Death protein 5 and p53-upregulated modulator of apoptosis mediate the endoplasmic reticulum stress-mitochondrial dialog triggering lipotoxic rodent and human □cell apoptosis. *Diabetes*, **2012**, 61, 2763-75	0.9	100
29	tRNA methyltransferase homolog gene TRMT10A mutation in young onset diabetes and primary microcephaly in humans. *PLoS Genetics*, **2013**, 9, e1003888	6	75
28	An update on lipotoxic endoplasmic reticulum stress in pancreatic beta-cells. *Biochemical Society Transactions*, **2008**, 36, 909-15	5.1	62
27	Central role and mechanisms of □cell dysfunction and death in friedreich ataxia-associated diabetes. *Annals of Neurology*, **2012**, 72, 971-82	9.4	60
26	Diabetes in Friedreich ataxia. *Journal of Neurochemistry*, **2013**, 126 Suppl 1, 94-102	6	57
25	Enhanced signaling downstream of ribonucleic Acid-activated protein kinase-like endoplasmic reticulum kinase potentiates lipotoxic endoplasmic reticulum stress in human islets. *Journal of Clinical Endocrinology and Metabolism*, **2010**, 95, 1442-9	5.6	50
24	A Missense Mutation in PPP1R15B Causes a Syndrome Including Diabetes, Short Stature, and Microcephaly. *Diabetes*, **2015**, 64, 3951-62	0.9	48
23	Unveiling a common mechanism of apoptosis in □cells and neurons in Friedreich□s ataxia. *Human Molecular Genetics*, **2015**, 24, 2274-86	5.6	47
22	In vitro use of free fatty acids bound to albumin: A comparison of protocols. *BioTechniques*, **2015**, 58, 228-33	2.5	43

21	Pancreatic Ecell tRNA hypomethylation and fragmentation link TRMT10A deficiency with diabetes. *Nucleic Acids Research*, **2018**, 46, 10302-10318	20.1	42
20	The glucose-6-phosphate dehydrogenase from Trypanosoma cruzi: its role in the defense of the parasite against oxidative stress. *Molecular and Biochemical Parasitology*, **2006**, 149, 170-81	1.9	40
19	The pentose phosphate pathway in Trypanosoma cruzi: a potential target for the chemotherapy of Chagas disease. *Anais Da Academia Brasileira De Ciencias*, **2007**, 79, 649-63	1.4	32
18	Glycosomal ABC transporters of Trypanosoma brucei: characterisation of their expression, topology and substrate specificity. *International Journal for Parasitology*, **2011**, 41, 429-38	4.3	29
17	Exenatide induces frataxin expression and improves mitochondrial function in Friedreich ataxia. *JCI Insight*, **2020**, 5,	9.9	23
16	YIPF5 mutations cause neonatal diabetes and microcephaly through endoplasmic reticulum stress. *Journal of Clinical Investigation*, **2020**, 130, 6338-6353	15.9	21
15	Guanabenz Sensitizes Pancreatic ECells to Lipotoxic Endoplasmic Reticulum Stress and Apoptosis. *Endocrinology*, **2017**, 158, 1659-1670	4.8	17
14	Inflammatory stress in islet Ecells: therapeutic implications for type 2 diabetes?. *Current Opinion in Pharmacology*, **2018**, 43, 40-45	5.1	16
13	Glucose-6-phosphate dehydrogenase of trypanosomatids: characterization, target validation, and drug discovery. *Molecular Biology International*, **2011**, 2011, 135701		14
12	DNAJC3 deficiency induces Ecell mitochondrial apoptosis and causes syndromic young-onset diabetes. *European Journal of Endocrinology*, **2021**, 184, 455-468	6.5	12
11	Genetic and chemical evaluation of Trypanosoma brucei oleate desaturase as a candidate drug target. *PLoS ONE*, **2010**, 5, e14239	3.7	11
10	The tRNA Epitranscriptome and Diabetes: Emergence of tRNA Hypomodifications as a Cause of Pancreatic ECell Failure. *Endocrinology*, **2019**, 160, 1262-1274	4.8	9
9	Combined transcriptome and proteome profiling of the pancreatic Ecell response to palmitate unveils key pathways of Ecell lipotoxicity. *BMC Genomics*, **2020**, 21, 590	4.5	9
8	The 6-phosphogluconate dehydrogenase of Leishmania (Leishmania) mexicana: gene characterization and protein structure prediction. *Journal of Molecular Microbiology and Biotechnology*, **2010**, 19, 213-23	0.9	7
7	The transcription factor B-cell lymphoma (BCL)-6 modulates pancreatic {beta}-cell inflammatory responses. *Endocrinology*, **2011**, 152, 447-56	4.8	6
6	tRNA Biology in the Pathogenesis of Diabetes: Role of Genetic and Environmental Factors. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
5	Current Drug Repurposing Strategies for Rare Neurodegenerative Disorders.. *Frontiers in Pharmacology*, **2021**, 12, 768023	5.6	2
4	Insulinoma Localization by Glucagon-Like Peptide-1 Receptor Imaging After 18 Years of Hypoglycemia. *AACE Clinical Case Reports*, **2015**, 1, e187-e193	0.7	1

3	A functional genomic approach to identify reference genes for human pancreatic beta cell real-time quantitative RT-PCR analysis. *Islets*, **2021**, 13, 51-65	2	1
2	A Review of Mouse Models of Monogenic Diabetes and ER Stress Signaling. *Methods in Molecular Biology*, **2020**, 2128, 55-67	1.4	0
1	Molecular mechanisms of β-cell dysfunction and death in monogenic forms of diabetes. *International Review of Cell and Molecular Biology*, **2021**, 359, 139-256	6	0