Helena C Barbosa

List of Publications by Year
in descending order

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33 papers	595 citations	516215 16 h-index	642321 23 g-index
33 all docs	33 docs citations	33 times ranked	984 citing authors

#	Article	IF	Citations
1	TUDCA receptors and their role on pancreatic beta cells. Progress in Biophysics and Molecular Biology, 2021, , .	1.4	4
2	ARHGAP21 Acts as an Inhibitor of the Glucose-Stimulated Insulin Secretion Process. Frontiers in Endocrinology, 2020, 11, 599165.	1.5	3
3	The use of the â€œEndocrine Circuitâ€•as an active learning methodology to aid in the understanding of the human endocrine system. American Journal of Physiology - Advances in Physiology Education, 2020, 44, 124-130.	0.8	3
4	Impact of a playful booklet about diabetes and obesity on high school students in Campinas, Brazil. American Journal of Physiology - Advances in Physiology Education, 2019, 43, 266-269.	0.8	3
5	ARHGAP21 deficiency impairs hepatic lipid metabolism and improves insulin signaling in lean and obese mice. Canadian Journal of Physiology and Pharmacology, 2019, 97, 1018-1027.	0.7	7
6	Whole-Body ARHGAP21-Deficiency Improves Energetic Homeostasis in Lean and Obese Mice. Frontiers in Endocrinology, 2019, 10, 338.	1.5	6
7	Whole body ARHGAP21 reduction improves glucose homeostasis in highâ€fat diet obese mice. Journal of Cellular Physiology, 2018, 233, 7112-7119.	2.0	10
8	Reduced glucoseâ€induced insulin secretion in lowâ€proteinâ€fed rats is associated with altered pancreatic islets redox status. Journal of Cellular Physiology, 2018, 233, 486-496.	2.0	20
9	Vitamin E supplementation and caloric restriction promotes regulation of insulin secretion and glycemic homeostasis by different mechanisms in rats. Biochemistry and Cell Biology, 2018, 96, 777-785.	0.9	8
10	ARHGAP21 as a master regulator of multiple cellular processes. Journal of Cellular Physiology, 2018, 233, 8477-8481.	2.0	18
11	Role of microRNAs on the Regulation of Mitochondrial Biogenesis and Insulin Signaling in Skeletal Muscle. Journal of Cellular Physiology, 2017, 232, 958-966.	2.0	23
12	Liver steatosis in hypothalamic obese rats improves after duodeno-jejunal bypass by reduction in de novo lipogenesis pathway. Life Sciences, 2017, 188, 68-75.	2.0	7
13	Activation of the Wnt/Î²-catenin pathway in pancreatic beta cells during the compensatory islet hyperplasia in prediabetic mice. Biochemical and Biophysical Research Communications, 2016, 478, 1534-1540.	1.0	22
14	Reduced <scp>AMPK</scp>Î±2 protein expression restores glucoseâ€induced insulin secretion in islets from calorieâ€restricted rats. International Journal of Experimental Pathology, 2016, 97, 50-55.	0.6	5
15	Role of Islet Glucokinase, Glucose Metabolism, and Insulin Pathway in the Enhancing Effect of Islet Neogenesis-Associated Protein on Glucose-Induced Insulin Secretion. Pancreas, 2015, 44, 959-966.	0.5	12
16	Reduced nuclear protein 1 expression improves insulin sensitivity and protects against diet-induced glucose intolerance through up-regulation of heat shock protein 70. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 962-969.	1.8	9
17	ARHGAP21 prevents abnormal insulin release through actin rearrangement in pancreatic islets from neonatal mice. Life Sciences, 2015, 127, 53-58.	2.0	6
18	Low-protein diet disrupts the crosstalk between the PKA and PKC signaling pathways in isolated pancreatic islets. Journal of Nutritional Biochemistry, 2015, 26, 556-562.	1.9	12

#	Article	IF	Citations
19	Taurineâ€induced insulin signalling improvement of obese malnourished mice is associated with redox balance and protein phosphatases activity modulation. Liver International, 2014, 34, 771-783.	1.9	24
20	Nupr1 deletion protects against glucose intolerance by increasing beta cell mass. Diabetologia, 2013, 56, 2477-2486.	2.9	20
21	Reduced insulin secretion and glucose intolerance are involved in the fasting susceptibility of common vampire bats. General and Comparative Endocrinology, 2013, 183, 1-6.	0.8	20
22	Insulin-Loaded Poly(Îµ-Caprolactone) Nanoparticles: Efficient, Sustained and Safe Insulin Delivery System. Journal of Biomedical Nanotechnology, 2013, 9, 1098-1106.	0.5	18
23	The CaMK4/CREB/IRS-2 Cascade Stimulates Proliferation and Inhibits Apoptosis of Î²-Cells. PLoS ONE, 2012, 7, e45711.	1.1	48
24	Calcium/calmodulin-dependent kinase IV controls glucose-induced Irs2 expression in mouse beta cells via activation of cAMP response element-binding protein. Diabetologia, 2011, 54, 1109-1120.	2.9	31
25	Reduced expression of SIRT1 is associated with diminished glucose-induced insulin secretion in islets from calorie-restricted rats. Journal of Nutritional Biochemistry, 2011, 22, 554-559.	1.9	21
26	Beta cell coupling and connexin expression change during the functional maturation of rat pancreatic islets. Diabetologia, 2010, 53, 1428-1437.	2.9	53
27	Requirement of NF-kappaB signalling pathway for modulation of the cholinergic muscarinic M3 receptor expression by INGAP-PP in insulin-producing cells. European Journal of Pharmacology, 2010, 642, 37-46.	1.7	15
28	Islet neogenesis-associated protein pentadecapeptide (INGAP-PP): Mechanisms involved in its effect upon Î²-cell mass and function. Regulatory Peptides, 2009, 157, 25-31.	1.9	16
29	INGAP-PP up-regulates the expression of genes and proteins related to K+ATP channels and ameliorates Ca2+ handling in cultured adult rat islets. Regulatory Peptides, 2008, 148, 39-45.	1.9	18
30	Islet neogenesis-associated protein signaling in neonatal pancreatic rat islets: involvement of the cholinergic pathway. Journal of Endocrinology, 2008, 199, 299-306.	1.2	22
31	Signal transducer and activator of transcription 3-regulated sarcoendoplasmic reticulum Ca2+-ATPase 2 expression by prolactin and glucocorticoids is involved in the adaptation of insulin secretory response during the peripartum period. Journal of Endocrinology, 2007, 195, 17-27.	1.2	18
32	Islet Neogenesis Associated Protein (INGAP) modulates gene expression in cultured neonatal rat islets. Regulatory Peptides, 2006, 136, 78-84.	1.9	38
33	Tumor necrosis factor-alpha activates signal transduction in hypothalamus and modulates the expression of pro-inflammatory proteins and orexigenic/anorexigenic neurotransmitters. Journal of Neurochemistry, 2006, 98, 203-212.	2.1	55