

Carlos Guillen

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

5,621
citations

471061

17
h-index

476904

29
g-index

33
all docs

33
docs citations

33
times ranked

14539
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Pancreatic β -Cell Failure Mediated by mTORC1 Hyperactivity and Autophagic Impairment. <i>Diabetes</i> , 2014, 63, 2996-3008.	0.3	95
3	Autophagy plays a protective role in endoplasmic reticulum stress-mediated pancreatic β cell death. <i>Autophagy</i> , 2012, 8, 1757-1768.	4.3	92
4	mTORC1 Regulates both General Autophagy and Mitophagy Induction after Oxidative Phosphorylation Uncoupling. <i>Molecular and Cellular Biology</i> , 2017, 37, .	1.1	90
5	Insulin Resistance and Diabetes Mellitus in Alzheimer's Disease. <i>Cells</i> , 2021, 10, 1236.	1.8	73
6	β -Cell Hyperplasia Induced by Hepatic Insulin Resistance. <i>Diabetes</i> , 2009, 58, 820-828.	0.3	60
7	mTORC1 Overactivation as a Key Aging Factor in the Progression to Type 2 Diabetes Mellitus. <i>Frontiers in Endocrinology</i> , 2018, 9, 621.	1.5	55
8	C-Terminal Parathyroid Hormone-Related Protein (PTHrP) (107-139) Stimulates Intracellular Ca ²⁺ through a Receptor Different from the Type 1 PTH/PTHrP Receptor in Osteoblastic Osteosarcoma UMR 106 Cells*. <i>Endocrinology</i> , 2001, 142, 2752-2759.	1.4	44
9	Pancreatic β cells overexpressing hIAPP impaired mitophagy and unbalanced mitochondrial dynamics. <i>Cell Death and Disease</i> , 2018, 9, 481.	2.7	43
10	Autophagy impairment aggravates the inhibitory effects of high glucose on osteoblast viability and function. <i>Biochemical Journal</i> , 2013, 455, 329-337.	1.7	40
11	Parathyroid Hormone-Related Protein (107-139) Stimulates Interleukin-6 Expression in Human Osteoblastic Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 1999, 10, 796-803.	3.0	32
12	TSC2 N-terminal lysine acetylation status affects to its stability modulating mTORC1 signaling and autophagy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 2658-2667.	1.9	31
13	Both N- and C-terminal Domains of Parathyroid Hormone-related Protein Increase Interleukin-6 by Nuclear Factor- κ B Activation in Osteoblastic Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 28109-28117.	1.6	29
14	Role of the TSC1-TSC2 Complex in the Integration of Insulin and Glucose Signaling Involved in Pancreatic β -Cell Proliferation. <i>Endocrinology</i> , 2010, 151, 3084-3094.	1.4	29
15	Differential Mitogenic Signaling in Insulin Receptor-Deficient Fetal Pancreatic β -Cells. <i>Endocrinology</i> , 2006, 147, 1959-1968.	1.4	26
16	Dietary Polyphenols in Metabolic and Neurodegenerative Diseases: Molecular Targets in Autophagy and Biological Effects. <i>Antioxidants</i> , 2021, 10, 142.	2.2	26
17	Biphasic effect of insulin on beta cell apoptosis depending on glucose deprivation. <i>FEBS Letters</i> , 2008, 582, 3855-3860.	1.3	17
18	Role of the Mammalian Target of Rapamycin (mTOR) Complexes in Pancreatic β -Cell Mass Regulation. <i>Vitamins and Hormones</i> , 2014, 95, 425-469.	0.7	16

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19	The Interleukin-6/Soluble Interleukin-6 Receptor System Induces Parathyroid Hormone-Related Protein in Human Osteoblastic Cells. <i>Calcified Tissue International</i> , 2004, 75, 153-159.	1.5	14
20	Human amylin aggregates release within exosomes as a protective mechanism in pancreatic β^2 cells: Pancreatic β^2 -hippocampal cell communication. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118971.	1.9	14
21	Antagonistic effect of TNF-alpha and insulin on uncoupling protein 2 (UCP-2) expression and vascular damage. <i>Cardiovascular Diabetology</i> , 2014, 13, 108.	2.7	13
22	Essential Role of IGFIR in the Onset of Male Brown Fat Thermogenic Function: Regulation of Glucose Homeostasis by Differential Organ-Specific Insulin Sensitivity. <i>Endocrinology</i> , 2016, 157, 1495-1511.	1.4	13
23	Multi-Organ Crosstalk with Endocrine Pancreas: A Focus on How Gut Microbiota Shapes Pancreatic Beta-Cells. <i>Biomolecules</i> , 2022, 12, 104.	1.8	13
24	Male Brown Fat-Specific Double Knockout of IGFIR/IR: Atrophy, Mitochondrial Fission Failure, Impaired Thermogenesis, and Obesity. <i>Endocrinology</i> , 2018, 159, 323-340.	1.4	10
25	Antagonistic effect of TNF- β and insulin on UCP-2 expression and vascular damage. <i>Cardiovascular Diabetology</i> , 2014, 13, 108.	2.7	10
26	Concerted expression of the thermogenic and bioenergetic mitochondrial protein machinery in brown adipose tissue. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 2306-2313.	1.2	8
27	Biological Actions and Molecular Mechanisms of <i>Sambucus nigra</i> L. in Neurodegeneration: A Cell Culture Approach. <i>Molecules</i> , 2021, 26, 4829.	1.7	8
28	Azoramide: a new drug for the treatment of type 2 diabetes?. <i>Annals of Translational Medicine</i> , 2016, 4, S45-S45.	0.7	3
29	Essential role of glucokinase in the protection of pancreatic β^2 cells to the glucose energetic status. <i>Cell Death Discovery</i> , 2019, 5, 138.	2.0	2
30	Sirtuins in mechanistic target of rapamycin complex 1 signaling. , 2021, , 191-212.		0
31	Cell immortalization facilitates prelamin A clearance by increasing both cell proliferation and autophagic flux. <i>Aging</i> , 2022, 14, 2047-2061.	1.4	0