

Manuel Benito

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5850245/publications.pdf>

Version: 2024-02-01

34
papers

1,354
citations

393982

19
h-index

395343

33
g-index

34
all docs

34
docs citations

34
times ranked

2144
citing authors

#	ARTICLE	IF	CITATIONS
1	Brown adipose tissue-specific insulin receptor knockout shows diabetic phenotype without insulin resistance. <i>Journal of Clinical Investigation</i> , 2001, 108, 1205-1213.	3.9	188
2	Protective role of oleic acid against cardiovascular insulin resistance and in the early and late cellular atherosclerotic process. <i>Cardiovascular Diabetology</i> , 2015, 14, 75.	2.7	115
3	Pancreatic β -Cell Failure Mediated by mTORC1 Hyperactivity and Autophagic Impairment. <i>Diabetes</i> , 2014, 63, 2996-3008.	0.3	95
4	Autophagy plays a protective role in endoplasmic reticulum stress-mediated pancreatic β cell death. <i>Autophagy</i> , 2012, 8, 1757-1768.	4.3	92
5	MTORC1 Regulates both General Autophagy and Mitophagy Induction after Oxidative Phosphorylation Uncoupling. <i>Molecular and Cellular Biology</i> , 2017, 37, .	1.1	90
6	Insulin Resistance and Diabetes Mellitus in Alzheimer's Disease. <i>Cells</i> , 2021, 10, 1236.	1.8	73
7	β -Cell Hyperplasia Induced by Hepatic Insulin Resistance. <i>Diabetes</i> , 2009, 58, 820-828.	0.3	60
8	Insulin-induced Up-regulated Uncoupling Protein-1 Expression Is Mediated by Insulin Receptor Substrate 1 through the Phosphatidylinositol 3-Kinase/Akt Signaling Pathway in Fetal Brown Adipocytes. <i>Journal of Biological Chemistry</i> , 2003, 278, 10221-10231.	1.6	59
9	Role of Insulin Receptor in the Regulation of Glucose Uptake in Neonatal Hepatocytes. <i>Endocrinology</i> , 2006, 147, 3709-3718.	1.4	59
10	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
11	Osteoporosis Remission and New Bone Formation with Mesoporous Silica Nanoparticles. <i>Advanced Science</i> , 2021, 8, e2101107.	5.6	53
12	Inhibition of PI 3-kinase and RAS blocks IGF-I and insulin-induced uncoupling protein 1 gene expression in brown adipocytes. <i>Journal of Cellular Physiology</i> , 1998, 176, 99-109.	2.0	50
13	Pancreatic β cells overexpressing hIAPP impaired mitophagy and unbalanced mitochondrial dynamics. <i>Cell Death and Disease</i> , 2018, 9, 481.	2.7	43
14	Chronic Exercise Improves Mitochondrial Function and Insulin Sensitivity in Brown Adipose Tissue. <i>Frontiers in Physiology</i> , 2018, 9, 1122.	1.3	32
15	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
16	Brown Fat Lipoatrophy and Increased Visceral Adiposity through a Concerted Adipocytokines Overexpression Induces Vascular Insulin Resistance and Dysfunction. <i>Endocrinology</i> , 2012, 153, 1242-1255.	1.4	28
17	Implication of Insulin Receptor A Isoform and IRA/IGF-IR Hybrid Receptors in the Aortic Vascular Smooth Muscle Cell Proliferation: Role of TNF- α and IGF-II. <i>Endocrinology</i> , 2013, 154, 2352-2364.	1.4	26
18	Dietary Polyphenols in Metabolic and Neurodegenerative Diseases: Molecular Targets in Autophagy and Biological Effects. <i>Antioxidants</i> , 2021, 10, 142.	2.2	26

#	ARTICLE	IF	CITATIONS
19	Severe Brown Fat Lipoatrophy Aggravates Atherosclerotic Process in Male Mice. <i>Endocrinology</i> , 2016, 157, 3517-3528.	1.4	24
20	Insulin receptor isoform A confers a higher proliferative capability to pancreatic beta cells enabling glucose availability and IGF-I signaling. <i>Molecular and Cellular Endocrinology</i> , 2015, 409, 82-91.	1.6	19
21	Insulin receptor isoform A ameliorates long term glucose intolerance in diabetic mice. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 1271-1281.	1.2	18
22	Prevalent role of the insulin receptor isoform A in the regulation of hepatic glycogen metabolism in hepatocytes and in mice. <i>Diabetologia</i> , 2016, 59, 2702-2710.	2.9	17
23	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
24	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
25	Potential role of insulin receptor isoforms and IGF receptors in plaque instability of human and experimental atherosclerosis. <i>Cardiovascular Diabetology</i> , 2018, 17, 31.	2.7	13
26	Molecular biology in colorectal cancer. <i>Clinical and Translational Oncology</i> , 2006, 8, 391-398.	1.2	12
27	Liver-specific insulin receptor isoform A expression enhances hepatic glucose uptake and ameliorates liver steatosis in a mouse model of diet-induced obesity. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	1.2	11
28	Specific knockout of p85Î± in brown adipose tissue induces resistance to high-fat diet-induced obesity and its metabolic complications in male mice. <i>Molecular Metabolism</i> , 2020, 31, 1-13.	3.0	10
29	Antagonistic effect of TNF-Î± and insulin on UCP-2 expression and vascular damage. <i>Cardiovascular Diabetology</i> , 2014, 13, 108.	2.7	10
30	Biological Actions and Molecular Mechanisms of Sambucus nigra L. in Neurodegeneration: A Cell Culture Approach. <i>Molecules</i> , 2021, 26, 4829.	1.7	8
31	IRS-3 mediates insulin-induced glucose uptake in differentiated IRS-2 ^{+/+} brown adipocytes. <i>Molecular and Cellular Endocrinology</i> , 2007, 268, 1-9.	1.6	7
32	Essential role of glucokinase in the protection of pancreatic Î² cells to the glucose energetic status. <i>Cell Death Discovery</i> , 2019, 5, 138.	2.0	2
33	Severe Hepatic Insulin Resistance Induces Vascular Dysfunction: Improvement by Liver-Specific Insulin Receptor Isoform A Gene Therapy in a Murine Diabetic Model. <i>Cells</i> , 2021, 10, 2035.	1.8	2
34	Cell immortalization facilitates prelamin A clearance by increasing both cell proliferation and autophagic flux. <i>Aging</i> , 2022, 14, 2047-2061.	1.4	0