Irene Cozar-Castellano

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5298682/publications.pdf

Version: 2024-02-01

50 papers	2,283 citations	257101 24 h-index	214527 47 g-index
50 all docs	50 docs citations	50 times ranked	3063 citing authors

#	Article	IF	Citations
1	Na+, K+-ATPase Isozyme Diversity; Comparative Biochemistry and Physiological Implications of Novel Functional Interactions. Bioscience Reports, 2000, 20, 51-91.	1.1	280
2	Molecular Control of Cell Cycle Progression in the Pancreatic Î²-Cell. Endocrine Reviews, 2006, 27, 356-370.	8.9	189
3	Induction of Â-Cell Proliferation and Retinoblastoma Protein Phosphorylation in Rat and Human Islets Using Adenovirus-Mediated Transfer of Cyclin-Dependent Kinase-4 and Cyclin D1. Diabetes, 2004, 53, 149-159.	0.3	127
4	Growth factors and beta cell replication. International Journal of Biochemistry and Cell Biology, 2006, 38, 931-950.	1.2	120
5	Induction of Human Î²-Cell Proliferation and Engraftment Using a Single G1/S Regulatory Molecule, cdk6. Diabetes, 2010, 59, 1926-1936.	0.3	120
6	Differential central pathology and cognitive impairment in pre-diabetic and diabetic mice. Psychoneuroendocrinology, 2013, 38, 2462-2475.	1.3	118
7	Hepatocyte Growth Factor Gene Therapy for Pancreatic Islets in Diabetes: Reducing the Minimal Islet Transplant Mass Required in a Glucocorticoid-Free Rat Model of Allogeneic Portal Vein Islet Transplantation. Endocrinology, 2004, 145, 467-474.	1.4	115
8	Survey of the Human Pancreatic Î²-Cell G1/S Proteome Reveals a Potential Therapeutic Role for Cdk-6 and Cyclin D1 in Enhancing Human Î²-Cell Replication and Function In Vivo. Diabetes, 2009, 58, 882-893.	0.3	106
9	Inhibition of Fatty Acid Metabolism Reduces Human Myeloma Cells Proliferation. PLoS ONE, 2012, 7, e46484.	1.1	93
10	Central Proliferation and Neurogenesis Is Impaired in Type 2 Diabetes and Prediabetes Animal Models. PLoS ONE, 2014, 9, e89229.	1.1	85
11	Increased AÎ² production prompts the onset of glucose intolerance and insulin resistance. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E1373-E1380.	1.8	81
12	High glucose levels reduce fatty acid oxidation and increase triglyceride accumulation in human placenta. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E205-E212.	1.8	71
13	Intestinal Fructose and Glucose Metabolism in Health and Disease. Nutrients, 2020, 12, 94.	1.7	60
14	Central vascular disease and exacerbated pathology in a mixed model of type 2 diabetes and Alzheimer's disease. Psychoneuroendocrinology, 2015, 62, 69-79.	1.3	57
15	Evaluation of beta-cell replication in mice transgenic for hepatocyte growth factor and placental lactogen: comprehensive characterization of the G1/S regulatory proteins reveals unique involvement of p21cip. Diabetes, 2006, 55, 70-7.	0.3	53
16	Lessons From the First Comprehensive Molecular Characterization of Cell Cycle Control in Rodent Insulinoma Cell Lines. Diabetes, 2008, 57, 3056-3068.	0.3	52
17	The Cell Cycle Inhibitory Protein p21cip Is Not Essential for Maintaining Â-Cell Cycle Arrest or Â-Cell Function In Vivo. Diabetes, 2006, 55, 3271-3278.	0.3	49
18	Liver-specific ablation of insulin-degrading enzyme causes hepatic insulin resistance and glucose intolerance, without affecting insulin clearance in mice. Metabolism: Clinical and Experimental, 2018, 88, 1-11.	1.5	49

#	Article	IF	Citations
19	Cellular Mechanism Through Which Parathyroid Hormoneâ€“Related Protein Induces Proliferation in Arterial Smooth Muscle Cells. Circulation Research, 2006, 99, 933-942.	2.0	42
20	Mutant Parathyroid Hormone-Related Protein, Devoid of the Nuclear Localization Signal, Markedly Inhibits Arterial Smooth Muscle Cell Cycle and Neointima Formation by Coordinate Up-Regulation of p15Ink4b and p27kip1. Endocrinology, 2009, 150, 1429-1439.	1.4	35
21	Modulation of Insulin Sensitivity by Insulin-Degrading Enzyme. Biomedicines, 2021, 9, 86.	1.4	35
22	Tissue-Specific Deletion of the Retinoblastoma Protein in the Pancreatic Â-Cell Has Limited Effects on Â-Cell Replication, Mass, and Function. Diabetes, 2007, 56, 57-64.	0.3	34
23	hIscA: a protein implicated in the biogenesis of ironâ€“sulfur clusters. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2004, 1700, 179-188.	1.1	32
24	Hepatic insulin-degrading enzyme regulates glucose and insulin homeostasis in diet-induced obese mice. Metabolism: Clinical and Experimental, 2020, 113, 154352.	1.5	25
25	Glucose and Fatty Acid Metabolism in Placental Explants From Pregnancies Complicated With Gestational Diabetes Mellitus. Reproductive Sciences, 2015, 22, 798-801.	1.1	24
26	Pancreatic Î²-cell-specific deletion of insulin-degrading enzyme leads to dysregulated insulin secretion and Î²-cell functional immaturity. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E805-E819.	1.8	23
27	Hepatocyte growth factor gene therapy for islet transplantation. Expert Opinion on Biological Therapy, 2004, 4, 507-518.	1.4	21
28	Genetic deficiency of apolipoprotein D in the mouse is associated with nonfasting hypertriglyceridemia and hyperinsulinemia. Metabolism: Clinical and Experimental, 2011, 60, 1767-1774.	1.5	18
29	Low-density lipoprotein cholesterol suppresses apoptosis in human multiple myeloma cells. Annals of Hematology, 2012, 91, 83-88.	0.8	18
30	Hepatocyte growth factor is elevated in amniotic fluid from obese women and regulates placental glucose and fatty acid metabolism. Placenta, 2015, 36, 381-388.	0.7	16
31	Insulin degrading enzyme is up-regulated in pancreatic Î² cells by insulin treatment. Histology and Histopathology, 2018, 33, 1167-1180.	0.5	15
32	Expression and cellular localization of Na,K-ATPase isoforms in the rat ventral prostate. BJU International, 2003, 92, 793-802.	1.3	12
33	Epoxypukalide Induces Proliferation and Protects against Cytokine-Mediated Apoptosis in Primary Cultures of Pancreatic Î²-Cells. PLoS ONE, 2013, 8, e52862.	1.1	12
34	Targeted delivery of HGF to the skeletal muscle improves glucose homeostasis in diet-induced obese mice. Journal of Physiology and Biochemistry, 2015, 71, 795-805.	1.3	12
35	Manipulation of Transmembrane Transport by Synthetic K⁺ Ionophore Depsipeptides and Its Implications in Glucoseâ€Stimulated Insulin Secretion in Î²â€Cells. Chemistry - A European Journal, 2019, 25, 9287-9294.	1.7	10
36	Effects of Fasting and Feeding on Transcriptional and Posttranscriptional Regulation of Insulin-Degrading Enzyme in Mice. Cells, 2021, 10, 2446.	1.8	10

#	Article	IF	Citations
37	Molecular engineering human hepatocytes into pancreatic beta cells for diabetes therapy. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7781-7782.	3.3	9
38	Ghrelinâ€™s Effects on Proinflammatory Cytokine Mediated Apoptosis and Their Impact onÎ²-Cell Functionality. International Journal of Endocrinology, 2015, 2015, 1-11.	0.6	8
39	Protective effects of epoxypukalide on pancreatic Î²-cells and glucose metabolism in STZ-induced diabetic mice. Islets, 2015, 7, e1078053.	0.9	8
40	Chloro-Furanocembranolides from Leptogorgia sp. Improve Pancreatic Beta-Cell Proliferation. Marine Drugs, 2018, 16, 49.	2.2	6
41	Cyclin C stimulates Î²-cell proliferation in rat and human pancreatic Î²-cells. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E450-E459.	1.8	5
42	Assessment of Insulin Tolerance In Vivo in Mice. Methods in Molecular Biology, 2020, 2128, 217-224.	0.4	5
43	Leptolide Improves Insulin Resistance in Diet-Induced Obese Mice. Marine Drugs, 2017, 15, 289.	2.2	4
44	Cembranoids from Eunicea sp. enhance insulin-producing cells proliferation. Tetrahedron, 2018, 74, 2056-2062.	1.0	4
45	miR-126 contributes to the epigenetic signature of diabetic vascular smooth muscle and enhances antirestenosis effects of Kv1.3 blockers. Molecular Metabolism, 2021, 53, 101306.	3.0	4
46	Evolutionary Origin of Insulin-Degrading Enzyme and Its Subcellular Localization and Secretion Mechanism: A Study in Microglial Cells. Cells, 2022, 11, 227.	1.8	4
47	Insulin-degrading enzyme ablation in mouse pancreatic alpha cells triggers cell proliferation, hyperplasia and glucagon secretion dysregulation. Diabetologia, 2022, 65, 1375-1389.	2.9	3
48	Modulation of Glial Responses by Furanocembranolides: Leptolide Diminishes Microglial Inflammation in Vitro and Ameliorates Gliosis In Vivo in a Mouse Model of Obesity and Insulin Resistance. Marine Drugs, 2020, 18, 378.	2.2	2
49	Assessment of Insulin Tolerance Ex Vivo. Methods in Molecular Biology, 2020, 2128, 291-300.	0.4	1
50	Primary Cilia in Pancreatic Î²- and Î±-Cells: Time to Revisit the Role of Insulin-Degrading Enzyme. Frontiers in Endocrinology, 0, 13, .	1.5	1