Irene Cozar-Castellano

List of Publications by Year
in descending order

50 papers	2,283 citations	257450 24 h-index	214800 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.	2.4	280
2	Molecular Control of Cell Cycle Progression in the Pancreatic Î²-Cell. Endocrine Reviews, 2006, 27, 356-370.	20.1	189
3	Induction of Î²-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.	0.6	127
4	Growth factors and beta cell replication. International Journal of Biochemistry and Cell Biology, 2006, 38, 931-950.	2.8	120
5	Induction of Human Î²-Cell Proliferation and Engraftment Using a Single G1/S Regulatory Molecule, cdk6. Diabetes, 2010, 59, 1926-1936.	0.6	120
6	Differential central pathology and cognitive impairment in pre-diabetic and diabetic mice. Psychoneuroendocrinology, 2013, 38, 2462-2475.	2.7	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.	2.8	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.	0.6	106
9	Inhibition of Fatty Acid Metabolism Reduces Human Myeloma Cells Proliferation. PLoS ONE, 2012, 7, e46484.	2.5	93
10	Central Proliferation and Neurogenesis Is Impaired in Type 2 Diabetes and Prediabetes Animal Models. PLoS ONE, 2014, 9, e89229.	2.5	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.	3.5	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.	3.5	71
13	Intestinal Fructose and Glucose Metabolism in Health and Disease. Nutrients, 2020, 12, 94.	4.1	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.	2.7	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.	0.6	53
16	Lessons From the First Comprehensive Molecular Characterization of Cell Cycle Control in Rodent Insulinoma Cell Lines. Diabetes, 2008, 57, 3056-3068.	0.6	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.	0.6	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.	3.4	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.	4.5	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.	2.8	35
21	Modulation of Insulin Sensitivity by Insulin-Degrading Enzyme. Biomedicines, 2021, 9, 86.	3.2	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.	0.6	34
23	hIscA: a protein implicated in the biogenesis of ironâ€“sulfur clusters. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2004, 1700, 179-188.	2.3	32
24	Hepatic insulin-degrading enzyme regulates glucose and insulin homeostasis in diet-induced obese mice. Metabolism: Clinical and Experimental, 2020, 113, 154352.	3.4	25
25	Glucose and Fatty Acid Metabolism in Placental Explants From Pregnancies Complicated With Gestational Diabetes Mellitus. Reproductive Sciences, 2015, 22, 798-801.	2.5	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.	3.5	23
27	Hepatocyte growth factor gene therapy for islet transplantation. Expert Opinion on Biological Therapy, 2004, 4, 507-518.	3.1	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.	3.4	18
29	Low-density lipoprotein cholesterol suppresses apoptosis in human multiple myeloma cells. Annals of Hematology, 2012, 91, 83-88.	1.8	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.	1.5	16
31	Insulin degrading enzyme is up-regulated in pancreatic Î² cells by insulin treatment. Histology and Histopathology, 2018, 33, 1167-1180.	0.7	15
32	Expression and cellular localization of Na,K-ATPase isoforms in the rat ventral prostate. BJU International, 2003, 92, 793-802.	2.5	12
33	Epoxypukalide Induces Proliferation and Protects against Cytokine-Mediated Apoptosis in Primary Cultures of Pancreatic Î²-Cells. PLoS ONE, 2013, 8, e52862.	2.5	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.	3.0	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.	3.3	10
36	Effects of Fasting and Feeding on Transcriptional and Posttranscriptional Regulation of Insulin-Degrading Enzyme in Mice. Cells, 2021, 10, 2446.	4.1	10

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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.	7.1	9
38	Ghrelinâ€™s Effects on Proinflammatory Cytokine Mediated Apoptosis and Their Impact on<i>Î²</i>-Cell Functionality. International Journal of Endocrinology, 2015, 2015, 1-11.	1.5	8
39	Protective effects of epoxypukalide on pancreatic Î²-cells and glucose metabolism in STZ-induced diabetic mice. Islets, 2015, 7, e1078053.	1.8	8
40	Chloro-Furanocembranolides from Leptogorgia sp. Improve Pancreatic Beta-Cell Proliferation. Marine Drugs, 2018, 16, 49.	4.6	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.	3.5	5
42	Assessment of Insulin Tolerance In Vivo in Mice. Methods in Molecular Biology, 2020, 2128, 217-224.	0.9	5
43	Leptolide Improves Insulin Resistance in Diet-Induced Obese Mice. Marine Drugs, 2017, 15, 289.	4.6	4
44	Cembranoids from Eunicea sp. enhance insulin-producing cells proliferation. Tetrahedron, 2018, 74, 2056-2062.	1.9	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.	6.5	4
46	Evolutionary Origin of Insulin-Degrading Enzyme and Its Subcellular Localization and Secretion Mechanism: A Study in Microglial Cells. Cells, 2022, 11, 227.	4.1	4
47	Insulin-degrading enzyme ablation in mouse pancreatic alpha cells triggers cell proliferation, hyperplasia and glucagon secretion dysregulation. Diabetologia, 2022, 65, 1375-1389.	6.3	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.	4.6	2
49	Assessment of Insulin Tolerance Ex Vivo. Methods in Molecular Biology, 2020, 2128, 291-300.	0.9	1
50	Primary Cilia in Pancreatic Î²- and Î±-Cells: Time to Revisit the Role of Insulin-Degrading Enzyme. Frontiers in Endocrinology, 0, 13, .	3.5	1