

# Irene Cozar-Castellano

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46  
papers

1,871  
citations

22  
h-index

43  
g-index

50  
ext. papers

2,083  
ext. citations

5.2  
avg, IF

4.26  
L-index

#	Paper	IF	Citations
46	Na <sup>+</sup> , K <sup>+</sup> -ATPase isozyme diversity; comparative biochemistry and physiological implications of novel functional interactions. <i>Bioscience Reports</i> , <b>2000</b> , 20, 51-91	4.1	234
45	Molecular control of cell cycle progression in the pancreatic beta-cell. <i>Endocrine Reviews</i> , <b>2006</b> , 27, 356-70	17.2	175
44	Induction of beta-cell proliferation and retinoblastoma protein phosphorylation in rat and human islets using adenovirus-mediated transfer of cyclin-dependent kinase-4 and cyclin D1. <i>Diabetes</i> , <b>2004</b> , 53, 149-59	0.9	122
43	Growth factors and beta cell replication. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2006</b> , 38, 931-50	5.6	113
42	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. <i>Endocrinology</i> , <b>2004</b> , 145, 467-74	4.8	105
41	Induction of human beta-cell proliferation and engraftment using a single G1/S regulatory molecule, cdk6. <i>Diabetes</i> , <b>2010</b> , 59, 1926-36	0.9	104
40	Survey of the human pancreatic beta-cell G1/S proteome reveals a potential therapeutic role for cdk-6 and cyclin D1 in enhancing human beta-cell replication and function in vivo. <i>Diabetes</i> , <b>2009</b> , 58, 882-93	0.9	95
39	Differential central pathology and cognitive impairment in pre-diabetic and diabetic mice. <i>Psychoneuroendocrinology</i> , <b>2013</b> , 38, 2462-75	5	94
38	Inhibition of fatty acid metabolism reduces human myeloma cells proliferation. <i>PLoS ONE</i> , <b>2012</b> , 7, e46484	4.7	76
37	Increased ALP production prompts the onset of glucose intolerance and insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2012</b> , 302, E1373-80	6	71
36	High glucose levels reduce fatty acid oxidation and increase triglyceride accumulation in human placenta. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2013</b> , 305, E205-12	6	61
35	Central proliferation and neurogenesis is impaired in type 2 diabetes and prediabetes animal models. <i>PLoS ONE</i> , <b>2014</b> , 9, e89229	3.7	60
34	Lessons from the first comprehensive molecular characterization of cell cycle control in rodent insulinoma cell lines. <i>Diabetes</i> , <b>2008</b> , 57, 3056-68	0.9	49
33	The cell cycle inhibitory protein p21cip is not essential for maintaining beta-cell cycle arrest or beta-cell function in vivo. <i>Diabetes</i> , <b>2006</b> , 55, 3271-8	0.9	43
32	Central vascular disease and exacerbated pathology in a mixed model of type 2 diabetes and Alzheimer's disease. <i>Psychoneuroendocrinology</i> , <b>2015</b> , 62, 69-79	5	42
31	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. <i>Diabetes</i> , <b>2006</b> , 55, 70-7	0.9	41
30	Cellular mechanism through which parathyroid hormone-related protein induces proliferation in arterial smooth muscle cells: definition of an arterial smooth muscle PTHrP/p27kip1 pathway. <i>Circulation Research</i> , <b>2006</b> , 99, 933-42	15.7	37

29	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. <i>Endocrinology</i> , <b>2009</b> , 150, 1429-39	4.8	32
28	Intestinal Fructose and Glucose Metabolism in Health and Disease. <i>Nutrients</i> , <b>2019</b> , 12,	6.7	31
27	Liver-specific ablation of insulin-degrading enzyme causes hepatic insulin resistance and glucose intolerance, without affecting insulin clearance in mice. <i>Metabolism: Clinical and Experimental</i> , <b>2018</b> , 88, 1-11	12.7	30
26	Tissue-specific deletion of the retinoblastoma protein in the pancreatic beta-cell has limited effects on beta-cell replication, mass, and function. <i>Diabetes</i> , <b>2007</b> , 56, 57-64	0.9	29
25	hIscA: a protein implicated in the biogenesis of iron-sulfur clusters. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2004</b> , 1700, 179-88	4	28
24	Glucose and Fatty Acid Metabolism in Placental Explants From Pregnancies Complicated With Gestational Diabetes Mellitus. <i>Reproductive Sciences</i> , <b>2015</b> , 22, 798-801	3	18
23	Hepatocyte growth factor gene therapy for islet transplantation. <i>Expert Opinion on Biological Therapy</i> , <b>2004</b> , 4, 507-18	5.4	17
22	Genetic deficiency of apolipoprotein D in the mouse is associated with nonfasting hypertriglyceridemia and hyperinsulinemia. <i>Metabolism: Clinical and Experimental</i> , <b>2011</b> , 60, 1767-74	12.7	15
21	Hepatocyte growth factor is elevated in amniotic fluid from obese women and regulates placental glucose and fatty acid metabolism. <i>Placenta</i> , <b>2015</b> , 36, 381-8	3.4	14
20	Pancreatic $\beta$ -cell-specific deletion of insulin-degrading enzyme leads to dysregulated insulin secretion and $\beta$ -cell functional immaturity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2019</b> , 317, E805-E819	6	13
19	Hepatic insulin-degrading enzyme regulates glucose and insulin homeostasis in diet-induced obese mice. <i>Metabolism: Clinical and Experimental</i> , <b>2020</b> , 113, 154352	12.7	13
18	Expression and cellular localization of Na,K-ATPase isoforms in the rat ventral prostate. <i>BJU International</i> , <b>2003</b> , 92, 793-802	5.6	12
17	Low-density lipoprotein cholesterol suppresses apoptosis in human multiple myeloma cells. <i>Annals of Hematology</i> , <b>2012</b> , 91, 83-8	3	11
16	Epoxy-pikalide induces proliferation and protects against cytokine-mediated apoptosis in primary cultures of pancreatic $\beta$ -cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e52862	3.7	10
15	Targeted delivery of HGF to the skeletal muscle improves glucose homeostasis in diet-induced obese mice. <i>Journal of Physiology and Biochemistry</i> , <b>2015</b> , 71, 795-805	5	9
14	Modulation of Insulin Sensitivity by Insulin-Degrading Enzyme. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	9
13	Protective effects of epoxy-pikalide on pancreatic $\beta$ -cells and glucose metabolism in STZ-induced diabetic mice. <i>Islets</i> , <b>2015</b> , 7, e1078053	2	8
12	Molecular engineering human hepatocytes into pancreatic beta cells for diabetes therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 7781-2	11.5	8

11	Insulin degrading enzyme is up-regulated in pancreatic $\beta$ cells by insulin treatment. <i>Histology and Histopathology</i> , <b>2018</b> , 33, 1167-1180	1.4	7
10	Ghrelin Effects on Proinflammatory Cytokine Mediated Apoptosis and Their Impact on $\beta$ Cell Functionality. <i>International Journal of Endocrinology</i> , <b>2015</b> , 2015, 235727	2.7	6
9	Manipulation of Transmembrane Transport by Synthetic K Ionophore Depsipeptides and Its Implications in Glucose-Stimulated Insulin Secretion in $\beta$ Cells. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 9287-9294	4.8	5
8	Cyclin C stimulates $\beta$ cell proliferation in rat and human pancreatic $\beta$ cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2015</b> , 308, E450-9	6	5
7	Chloro-Furanocembranolides from <i>Leptogorgia</i> sp. Improve Pancreatic Beta-Cell Proliferation. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	5
6	Leptolide Improves Insulin Resistance in Diet-Induced Obese Mice. <i>Marine Drugs</i> , <b>2017</b> , 15,	6	4
5	Cembranoids from <i>Eunicea</i> sp. enhance insulin-producing cells proliferation. <i>Tetrahedron</i> , <b>2018</b> , 74, 2056-2062	6.2	3
4	Assessment of Insulin Tolerance In Vivo in Mice. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2128, 217-224	1.4	2
3	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. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	1
2	miR-126 contributes to the epigenetic signature of diabetic vascular smooth muscle and enhances antirestenosis effects of Kv1.3 blockers. <i>Molecular Metabolism</i> , <b>2021</b> , 53, 101306	8.8	1
1	Assessment of Insulin Tolerance Ex Vivo. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2128, 291-300	1.4	1