

# Laura C Alonso

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

3,711  
citations

172386

29  
h-index

143943

57  
g-index

60  
all docs

60  
docs citations

60  
times ranked

5521  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intermittent Hypoxia Causes Insulin Resistance in Lean Mice Independent of Autonomic Activity. American Journal of Respiratory and Critical Care Medicine, 2007, 175, 851-857.	2.5	315
2	Stem cells in the skin: waste not, Wnt not. Genes and Development, 2003, 17, 1189-1200.	2.7	297
3	The hair cycle. Journal of Cell Science, 2006, 119, 391-393.	1.2	273
4	Glucose Infusion in Mice: A New Model to Induce $\beta$ -Cell Replication. Diabetes, 2007, 56, 1792-1801.	0.3	236
5	Defining BMP functions in the hair follicle by conditional ablation of BMP receptor IA. Journal of Cell Biology, 2003, 163, 609-623.	2.3	234
6	Insulin demand regulates $\beta$ cell number via the unfolded protein response. Journal of Clinical Investigation, 2015, 125, 3831-3846.	3.9	175
7	Glucagon Regulates Hepatic Kisspeptin to Impair Insulin Secretion. Cell Metabolism, 2014, 19, 667-681.	7.2	168
8	ANRIL: A lncRNA at the CDKN2A/B Locus With Roles in Cancer and Metabolic Disease. Frontiers in Endocrinology, 2018, 9, 405.	1.5	142
9	Hyperglycemia in acute COVID-19 is characterized by insulin resistance and adipose tissue infectivity by SARS-CoV-2. Cell Metabolism, 2021, 33, 2174-2188.e5.	7.2	127
10	Adaptive $\beta$ -cell proliferation increases early in high-fat feeding in mice, concurrent with metabolic changes, with induction of islet cyclin D2 expression. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E149-E159.	1.8	114
11	Intermittent hypoxia reverses the diurnal glucose rhythm and causes pancreatic $\beta$ -cell replication in mice. Journal of Physiology, 2008, 586, 899-911.	1.3	109
12	Disruption of Hepatocyte Growth Factor/c-Met Signaling Enhances Pancreatic $\beta$ -Cell Death and Accelerates the Onset of Diabetes. Diabetes, 2011, 60, 525-536.	0.3	104
13	Lipotoxicity in the Pancreatic Beta Cell: Not Just Survival and Function, but Proliferation as Well?. Current Diabetes Reports, 2014, 14, 492.	1.7	104
14	ChREBP Mediates Glucose-Stimulated Pancreatic $\beta$ -Cell Proliferation. Diabetes, 2012, 61, 2004-2015.	0.3	98
15	In Vivo Selection Yields AAV-B1 Capsid for Central Nervous System and Muscle Gene Therapy. Molecular Therapy, 2016, 24, 1247-1257.	3.7	98
16	Loss of HGF/c-Met Signaling in Pancreatic $\beta$ -Cells Leads to Incomplete Maternal $\beta$ -Cell Adaptation and Gestational Diabetes Mellitus. Diabetes, 2012, 61, 1143-1152.	0.3	96
17	Glucose Induces Mouse $\beta$ -Cell Proliferation via IRS2, MTOR, and Cyclin D2 but Not the Insulin Receptor. Diabetes, 2016, 65, 981-995.	0.3	85
18	Islet biology, the CDKN2A/B locus and type 2 diabetes risk. Diabetologia, 2016, 59, 1579-1593.	2.9	71

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19	Free Fatty Acids Block Glucose-Induced $\beta$ -Cell Proliferation in Mice by Inducing Cell Cycle Inhibitors p16 and p18. <i>Diabetes</i> , 2012, 61, 632-641.	0.3	65
20	$\beta$ -Catenin Links Hepatic Metabolic Zonation with Lipid Metabolism and Diet-Induced Obesity in Mice. <i>American Journal of Pathology</i> , 2014, 184, 3284-3298.	1.9	50
21	Sgk3 links growth factor signaling to maintenance of progenitor cells in the hair follicle. <i>Journal of Cell Biology</i> , 2005, 170, 559-570.	2.3	48
22	A predictive model for lack of partial clinical remission in new-onset pediatric type 1 diabetes. <i>PLoS ONE</i> , 2017, 12, e0176860.	1.1	47
23	Activation of Protein Kinase C- $\eta$ in Pancreatic $\beta$ -Cells In Vivo Improves Glucose Tolerance and Induces $\beta$ -Cell Expansion via mTOR Activation. <i>Diabetes</i> , 2011, 60, 2546-2559.	0.3	42
24	Simultaneous Measurement of Insulin Sensitivity, Insulin Secretion, and the Disposition Index in Conscious Unhandled Mice. <i>Obesity</i> , 2012, 20, 1403-1412.	1.5	41
25	<i>CDKN2A/B</i> T2D Genome-Wide Association Study Risk SNPs Impact Locus Gene Expression and Proliferation in Human Islets. <i>Diabetes</i> , 2018, 67, 872-884.	0.3	41
26	The Islet Estrogen Receptor- $\alpha$ Is Induced by Hyperglycemia and Protects Against Oxidative Stress-Induced Insulin-Deficient Diabetes. <i>PLoS ONE</i> , 2014, 9, e87941.	1.1	40
27	PKC $\eta$ Is Essential for Pancreatic $\beta$ -Cell Replication During Insulin Resistance by Regulating mTOR and Cyclin-D2. <i>Diabetes</i> , 2016, 65, 1283-1296.	0.3	40
28	Hypusine biosynthesis in $\beta$ cells links polyamine metabolism to facultative cellular proliferation to maintain glucose homeostasis. <i>Science Signaling</i> , 2019, 12, .	1.6	37
29	Time-dependent changes in glucose and insulin regulation during intermittent hypoxia and continuous hypoxia. <i>European Journal of Applied Physiology</i> , 2013, 113, 467-478.	1.2	36
30	Intersection of the ATF6 and XBP1 ER stress pathways in mouse islet cells. <i>Journal of Biological Chemistry</i> , 2020, 295, 14164-14177.	1.6	33
31	Living Dangerously: Protective and Harmful ER Stress Responses in Pancreatic $\beta$ -Cells. <i>Diabetes</i> , 2021, 70, 2431-2443.	0.3	31
32	Partial clinical remission in type 1 diabetes: a comparison of the accuracy of total daily dose of insulin of $\leq 0.3$ units/kg/day to the gold standard insulin-dose adjusted hemoglobin A1c of $\leq 9\%$ for the detection of partial clinical remission. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2017, 30, 823-830.	0.4	27
33	Retinoic acid in the anteroposterior patterning of the zebrafish trunk. <i>Roux's Archives of Developmental Biology</i> , 1995, 205, 103-113.	1.2	24
34	Atf6 $\alpha$ impacts cell number by influencing survival, death and proliferation. <i>Molecular Metabolism</i> , 2019, 27, S69-S80.	3.0	23
35	Beta-cell specific <i>Insr</i> deletion promotes insulin hypersecretion and improves glucose tolerance prior to global insulin resistance. <i>Nature Communications</i> , 2022, 13, 735.	5.8	20
36	Evaluation, Medical Therapy, and Course of Adult Persistent Hyperinsulinemic Hypoglycemia After Roux-En-Y Gastric Bypass Surgery: A Case Series. <i>Endocrine Practice</i> , 2015, 21, 237-246.	1.1	18

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37	Children with type 1 diabetes who experienced a honeymoon phase had significantly lower LDL cholesterol 5 years after diagnosis. PLoS ONE, 2018, 13, e0196912.	1.1	18
38	In vivo screen identifies a SIK inhibitor that induces $\beta^2$ cell proliferation through a transient UPR. Nature Metabolism, 2021, 3, 682-700.	5.1	18
39	Protein Kinase Mitogen-activated Protein Kinase Kinase Kinase 4 (MAP4K4) Promotes Obesity-induced Hyperinsulinemia. Journal of Biological Chemistry, 2016, 291, 16221-16230.	1.6	17
40	The Independent Risk of Obesity and Diabetes and Their Interaction in COVID-19: A Retrospective Cohort Study. Obesity, 2021, 29, 971-975.	1.5	17
41	Exogenous Glucose Administration Impairs Glucose Tolerance and Pancreatic Insulin Secretion during Acute Sepsis in Non-Diabetic Mice. PLoS ONE, 2013, 8, e67716.	1.1	16
42	DNA Damage Does Not Cause BrdU Labeling of Mouse or Human $\beta^2$ -Cells. Diabetes, 2019, 68, 975-987.	0.3	15
43	Ergocalciferol in New-onset Type 1 Diabetes: A Randomized Controlled Trial. Journal of the Endocrine Society, 2022, 6, bvab179.	0.1	13
44	Adipose tissue-derived free fatty acids initiate myeloid cell accumulation in mouse liver in states of lipid oversupply. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E758-E770.	1.8	12
45	Human $\beta^2$ -cell regeneration. Current Opinion in Endocrinology, Diabetes and Obesity, 2014, 21, 102-108.	1.2	10
46	Hyperinsulinemia predicts survival in a hyperglycemic mouse model of critical illness*. Critical Care Medicine, 2009, 37, 2596-2603.	0.4	7
47	Pancreatic Islet Embedding for Paraffin Sections. Journal of Visualized Experiments, 2018, , .	0.2	7
48	Preadmission predictors of severe COVID-19 in patients with diabetes mellitus. Journal of Diabetes and Its Complications, 2021, 35, 107967.	1.2	6
49	Weight Loss Outcomes With Telemedicine During COVID-19. Frontiers in Endocrinology, 2022, 13, 793290.	1.5	6
50	T2D Risk Genes: Exome Sequencing Goes Straight to the Source. Cell Metabolism, 2019, 30, 10-11.	7.2	5
51	Career Advancement for Women in Diabetes-Related Research: Developing and Retaining Female Talent. Diabetes Care, 2021, 44, 1744-1747.	4.3	5
52	Career Advancement for Women in Diabetes-Related Research: Developing and Retaining Female Talent. Diabetes, 2021, 70, 1634-1637.	0.3	4
53	Endoplasmic Reticulum Stress Induced Proliferation Remains Intact in Aging Mouse $\beta^2$ -Cells. Frontiers in Endocrinology, 2021, 12, 734079.	1.5	4
54	Continuous glucose monitoring reduces pubertal hyperglycemia of type 1 diabetes. Journal of Pediatric Endocrinology and Metabolism, 2020, 33, 865-872.	0.4	4

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55	High-throughput analysis of ANRIL circRNA isoforms in human pancreatic islets. Scientific Reports, 2022, 12, 7745.	1.6	4