

Anna Novials

List of Publications by Year in descending order

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97
papers

3,542
citations

159585

30
h-index

149698

56
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98
all docs

98
docs citations

98
times ranked

5454
citing authors

#	ARTICLE	IF	CITATIONS
1	Muscular carnosine is a marker for cardiorespiratory fitness and cardiometabolic risk factors in men with type 1 diabetes. <i>European Journal of Applied Physiology</i> , 2022, , 1.	2.5	0
2	CD31+ Extracellular Vesicles From Patients With Type 2 Diabetes Shuttle a miRNA Signature Associated With Cardiovascular Complications. <i>Diabetes</i> , 2021, 70, 240-254.	0.6	38
3	Características clínicas y manejo de la diabetes tipo 1 en España. Estudio SED1. <i>Endocrinología, Diabetes Y Nutrición</i> , 2021, 68, 642-653.	0.3	14
4	In Situ LSPR Sensing of Secreted Insulin in Organ-on-Chip. <i>Biosensors</i> , 2021, 11, 138.	4.7	30
5	4-Phenylbutyrate (PBA) treatment reduces hyperglycemia and islet amyloid in a mouse model of type 2 diabetes and obesity. <i>Scientific Reports</i> , 2021, 11, 11878.	3.3	5
6	BACE2 suppression in mice aggravates the adverse metabolic consequences of an obesogenic diet. <i>Molecular Metabolism</i> , 2021, 53, 101251.	6.5	4
7	Clinical characteristics and management of type 1 diabetes in Spain. The SED1 study. <i>Endocrinología, Diabetes Y Nutrición (English Ed)</i> , 2021, 68, 642-653.	0.2	6
8	miR-10b and miR-223-3p in serum microvesicles signal progression from prediabetes to type 2 diabetes. <i>Journal of Endocrinological Investigation</i> , 2020, 43, 451-459.	3.3	33
9	Peripheral insulin and amylin levels in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2020, 79, 91-96.	2.2	20
10	Management of Hypoglycemia in Adults with Type 1 Diabetes in Real-Life Condition. <i>Annals of Nutrition and Metabolism</i> , 2020, 76, 277-284.	1.9	3
11	Alpha1-antitrypsin ameliorates islet amyloid-induced glucose intolerance and β -cell dysfunction. <i>Molecular Metabolism</i> , 2020, 37, 100984.	6.5	14
12	Cationic Carbosilane Dendritic Systems as Promising Anti-Amyloid Agents in Type 2 Diabetes. <i>Chemistry - A European Journal</i> , 2020, 26, 7609-7621.	3.3	10
13	Delivery of muscle-derived exosomal miRNAs induced by HIIT improves insulin sensitivity through down-regulation of hepatic FoxO1 in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30335-30343.	7.1	61
14	Exosomes and diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2019, 35, e3107.	4.0	76
15	Clinical characteristics, complications and management of patients with type 2 diabetes with and without diabetic kidney disease (DKD): A comparison of data from a clinical database. <i>Endocrinología, Diabetes Y Nutrición</i> , 2018, 65, 30-38.	0.3	4
16	Obesity-associated exosomal miRNAs modulate glucose and lipid metabolism in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12158-12163.	7.1	256
17	Metabolomic Response to Acute Hypoxic Exercise and Recovery in Adult Males. <i>Frontiers in Physiology</i> , 2018, 9, 1682.	2.8	22
18	BACE2 suppression promotes β -cell survival and function in a model of type 2 diabetes induced by human islet amyloid polypeptide overexpression. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 2827-2838.	5.4	17

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19	Stress-Induced MicroRNA-708 Impairs β -Cell Function and Growth. <i>Diabetes</i> , 2017, 66, 3029-3040.	0.6	39
20	Europe has to step up its efforts to produce innovative and safe diabetes technology. <i>Diabetologia</i> , 2017, 60, 2532-2533.	6.3	0
21	Amyloid β -induced β -cell dysfunction and islet inflammation are ameliorated by 4 β -phenylbutyrate (PBA) treatment. <i>FASEB Journal</i> , 2017, 31, 5296-5306.	0.5	25
22	Molecular Aspects of Glucose Regulation of β Pancreatic β Cells. , 2016, , 155-168.		0
23	Low Physical Activity and Its Association with Diabetes and Other Cardiovascular Risk Factors: A Nationwide, Population-Based Study. <i>PLoS ONE</i> , 2016, 11, e0160959.	2.5	53
24	The Role of Human IAPP in Stress and Inflammatory Processes in Type 2 Diabetes. , 2016, , .		2
25	Effects of sardine-enriched diet on metabolic control, inflammation and gut microbiota in drug-naïve patients with type 2 diabetes: a pilot randomized trial. <i>Lipids in Health and Disease</i> , 2016, 15, 78.	3.0	103
26	Circulating microRNAs as biomarkers for metabolic disease. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2016, 30, 591-601.	4.7	52
27	Maternal Exposure to Bisphenol-A During Pregnancy Increases Pancreatic β -Cell Growth During Early Life in Male Mice Offspring. <i>Endocrinology</i> , 2016, 157, 4158-4171.	2.8	59
28	Human Serum versus Human Serum Albumin Supplementation in Human Islet Pretransplantation Culture: In Vitro and in Vivo Assessment. <i>Cell Transplantation</i> , 2016, 25, 343-352.	2.5	16
29	Protein disulfide isomerase ameliorates β -cell dysfunction in pancreatic islets overexpressing human islet amyloid polypeptide. <i>Molecular and Cellular Endocrinology</i> , 2016, 420, 57-65.	3.2	27
30	Oscillating glucose and constant high glucose induce endoglin expression in endothelial cells: the role of oxidative stress. <i>Acta Diabetologica</i> , 2015, 52, 505-512.	2.5	36
31	Inhibition of BACE2 counteracts hIAPP β -induced insulin secretory defects in pancreatic β -cells. <i>FASEB Journal</i> , 2015, 29, 95-104.	0.5	18
32	Circulating miR-192 and miR-193b Are Markers of Prediabetes and Are Modulated by an Exercise Intervention. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E407-E415.	3.6	127
33	Carbohydrate Management in Athletes with Type 1 Diabetes in a 10 $\%$ km Run Competition. <i>International Journal of Sports Medicine</i> , 2015, 36, 853-857.	1.7	4
34	Islet amyloid polypeptide exerts a novel autocrine action in β -cell signaling and proliferation. <i>FASEB Journal</i> , 2015, 29, 2970-2979.	0.5	26
35	Pancreatic polypeptide regulates glucagon release through PPYR1 receptors expressed in mouse and human alpha-cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 343-351.	2.4	35
36	Circulating SFRP5 levels are elevated in drug-naïve recently diagnosed type 2 diabetic patients as compared with prediabetic subjects and controls. <i>Diabetes/Metabolism Research and Reviews</i> , 2015, 31, 212-219.	4.0	26

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37	Differential Effect of Amylin on Endothelial-Dependent Vasodilation in Mesenteric Arteries from Control and Insulin Resistant Rats. PLoS ONE, 2015, 10, e0120479.	2.5	9
38	Improving Assessment of Lipoprotein Profile in Type 1 Diabetes by 1H NMR Spectroscopy. PLoS ONE, 2015, 10, e0136348.	2.5	10
39	Chaperones Ameliorate Beta Cell Dysfunction Associated with Human Islet Amyloid Polypeptide Overexpression. PLoS ONE, 2014, 9, e101797.	2.5	54
40	Stress and the inflammatory process: a major cause of pancreatic cell death in type 2 diabetes. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2014, 7, 25.	2.4	82
41	Vitamin C Further Improves the Protective Effect of Glucagon-Like Peptide-1 on Acute Hypoglycemia-Induced Oxidative Stress, Inflammation, and Endothelial Dysfunction in Type 1 Diabetes. Diabetes Care 2013;36:4104-4108. Diabetes Care, 2014, 37, 2063.1-2063.	8.6	0
42	Simultaneous GLP-1 and Insulin Administration Acutely Enhances Their Vasodilatory, Antiinflammatory, and Antioxidant Action in Type 2 Diabetes. Diabetes Care, 2014, 37, 1938-1943.	8.6	64
43	Hyperglycemia following recovery from hypoglycemia worsens endothelial damage and thrombosis activation in type 1 diabetes and in healthy controls. Nutrition, Metabolism and Cardiovascular Diseases, 2014, 24, 116-123.	2.6	41
44	Differential Methylation of TCF7L2 Promoter in Peripheral Blood DNA in Newly Diagnosed, Drug-Naïve Patients with Type 2 Diabetes. PLoS ONE, 2014, 9, e99310.	2.5	31
45	Vitamin C further improves the protective effect of GLP-1 on the ischemia-reperfusion-like effect induced by hyperglycemia post-hypoglycemia in type 1 diabetes. Cardiovascular Diabetology, 2013, 12, 97.	6.8	17
46	Glucose regulation of a cell cycle gene module is selectively lost in mouse pancreatic islets during ageing. Diabetologia, 2013, 56, 1761-1772.	6.3	22
47	Glucagon-Like Peptide 1 Reduces Endothelial Dysfunction, Inflammation, and Oxidative Stress Induced by Both Hyperglycemia and Hypoglycemia in Type 1 Diabetes. Diabetes Care, 2013, 36, 2346-2350.	8.6	158
48	Amylin exerts osteogenic actions with different efficacy depending on the diabetic status. Molecular and Cellular Endocrinology, 2013, 365, 309-315.	3.2	14
49	Vitamin C Further Improves the Protective Effect of Glucagon-Like Peptide-1 on Acute Hypoglycemia-Induced Oxidative Stress, Inflammation, and Endothelial Dysfunction in Type 1 Diabetes. Diabetes Care, 2013, 36, 4104-4108.	8.6	61
50	Proteomics Characterization of the Secretome from Rat Pancreatic Stellate Cells with ATP-Binding Cassette Transporters (ABCG2) and NCAM Phenotype. , 2013, 2013, 1-18.		1
51	Gastric Inhibitory Polypeptide Receptor Methylation in Newly Diagnosed, Drug-Naïve Patients with Type 2 Diabetes: A Case-Control Study. PLoS ONE, 2013, 8, e75474.	2.5	13
52	Evidence That Hyperglycemia After Recovery From Hypoglycemia Worsens Endothelial Function and Increases Oxidative Stress and Inflammation in Healthy Control Subjects and Subjects With Type 1 Diabetes. Diabetes, 2012, 61, 2993-2997.	0.6	136
53	Rapid Insulinotropic Action of Low Doses of Bisphenol-A on Mouse and Human Islets of Langerhans: Role of Estrogen Receptor β . PLoS ONE, 2012, 7, e31109.	2.5	191
54	Metabolomics Approach for Analyzing the Effects of Exercise in Subjects with Type 1 Diabetes Mellitus. PLoS ONE, 2012, 7, e40600.	2.5	66

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55	Amylin effect in extrapancreatic tissues participating in glucose homeostasis, in normal, insulin-resistant and type 2 diabetic state. <i>Peptides</i> , 2011, 32, 2077-2085.	2.4	17
56	Effect of α -lipoic acid and exercise training on cardiovascular disease risk in obesity with impaired glucose tolerance. <i>Lipids in Health and Disease</i> , 2011, 10, 217.	3.0	46
57	Involvement of ATP-sensitive Potassium (KATP) Channels in the Loss of Beta-cell Function Induced by Human Islet Amyloid Polypeptide. <i>Journal of Biological Chemistry</i> , 2011, 286, 40857-40866.	3.4	32
58	BACE2 plays a role in the insulin receptor trafficking in pancreatic β -cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 299, E1087-E1095.	3.5	31
59	Role of iduronate-2-sulfatase in glucose-stimulated insulin secretion by activation of exocytosis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E793-E801.	3.5	6
60	Identification of a pancreatic stellate cell population with properties of progenitor cells: new role for stellate cells in the pancreas. <i>Biochemical Journal</i> , 2009, 421, 181-191.	3.7	54
61	Calcium elevation in mouse pancreatic beta cells evoked by extracellular human islet amyloid polypeptide involves activation of the mechanosensitive ion channel TRPV4. <i>Diabetologia</i> , 2008, 51, 2252-2262.	6.3	109
62	Amylin and Hypertension: Association of an Amylin α G132A Gene Mutation and Hypertension in Humans and Amylin-Induced Endothelium Dysfunction in Rats. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 1446-1450.	3.6	9
63	Impairment of the Ubiquitin-Proteasome Pathway Is a Downstream Endoplasmic Reticulum Stress Response Induced by Extracellular Human Islet Amyloid Polypeptide and Contributes to Pancreatic β -Cell Apoptosis. <i>Diabetes</i> , 2007, 56, 2284-2294.	0.6	125
64	Silent Myocardial Ischemia Is Associated with Autonomic Neuropathy and Other Cardiovascular Risk Factors in Type 1 and Type 2 Diabetic Subjects, Especially in Those with Microalbuminuria. <i>Endocrine</i> , 2005, 27, 213-218.	2.2	26
65	Islet amyloid polypeptide gene promoter polymorphisms are not associated with Type 2 diabetes or with the severity of islet amyloidosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005, 1740, 74-78.	3.8	12
66	Features and outcome of pregnancies complicated by impaired glucose tolerance and gestational diabetes diagnosed using different criteria in a Spanish population. <i>Diabetes Research and Clinical Practice</i> , 2005, 68, 141-146.	2.8	16
67	The Korle-Bu Hb Variant in Caucasian Women With Type 1 Diabetes: A pitfall in the assessment of diabetes control. <i>Diabetes Care</i> , 2004, 27, 2280-2281.	8.6	2
68	Identification of iduronate-2-sulfatase in mouse pancreatic islets. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004, 287, E983-E990.	3.5	6
69	GUIDE study: double-blind comparison of once-daily gliclazide MR and glimepiride in type 2 diabetic patients. <i>European Journal of Clinical Investigation</i> , 2004, 34, 535-542.	3.4	228
70	The α HFE Gene Is Associated to an Earlier Age of Onset and to the Presence of Diabetic Nephropathy in Diabetes Mellitus Type 2. <i>Endocrine</i> , 2004, 24, 111-114.	2.2	12
71	Mutation at position α 132 in the islet amyloid polypeptide (IAPP) gene promoter enhances basal transcriptional activity through a new CRE-like binding site. <i>Diabetologia</i> , 2004, 47, 1167-1174.	6.3	11
72	To: Poa NR, Cooper GJS, Edgar PF: Amylin gene promoter mutations predispose to Type 2 diabetes in New Zealand Maori. <i>Diabetologia</i> 46: 574-578. <i>Diabetologia</i> , 2003, 46, 1708-1709.	6.3	4

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73	The Continuous Glucose Monitoring System Is Useful for Detecting Unrecognized Hypoglycemia in Patients With Type 1 and Type 2 Diabetes but Is Not Better Than Frequent Capillary Glucose Measurements for Improving Metabolic Control. <i>Diabetes Care</i> , 2003, 26, 1153-1157.	8.6	215
74	Polymorphism in Intron 2 of Islet Amyloid Polypeptide Gene Is Associated with Lower Low-Density Lipoprotein Cholesterol in Nondiabetic Subjects and in Type 2 Diabetic Patients. <i>Endocrine</i> , 2002, 19, 185-190.	2.2	1
75	Amlina: del estudio molecular a las acciones fisiológicas. <i>Endocrinología Y Nutrición: Órgano De La Sociedad Española De Endocrinología Y Nutrición</i> , 2001, 48, 234-245.	0.8	0
76	Sistema de monitorización continua de glucosa: una nueva herramienta para mejorar el control metabólico de los pacientes diabéticos. <i>Endocrinología Y Nutrición: Órgano De La Sociedad Española De Endocrinología Y Nutrición</i> , 2001, 48, 266-271.	0.8	4
77	High Glucose Concentration Favors the Selective Secretion of Islet Amyloid Polypeptide Through a Constitutive Secretory Pathway in Human Pancreatic Islets. <i>Pancreas</i> , 2001, 22, 307-310.	1.1	22
78	Observation(s). <i>Diabetologia</i> , 2001, 44, 1064-1065.	6.3	23
79	Identification and Functional Analysis of Mutations in FAD-Binding Domain of Mitochondrial Glycerophosphate Dehydrogenase in Caucasian Patients with Type 2 Diabetes Mellitus. <i>Endocrine</i> , 2001, 16, 39-42.	2.2	8
80	Reduction of Islet Amylin Expression and Basal Secretion by Adenovirus-Mediated Delivery of Amylin Antisense cDNA. <i>Pancreas</i> , 1998, 17, 182-186.	1.1	9
81	β-Cell Function Abnormalities in Islets from an Adult Subject with Nesidioblastosis and Autoantibodies Against the Islet Cells. <i>Pancreas</i> , 1997, 14, 71-75.	1.1	7
82	Mutation in the Calcium-Binding Domain of the Mitochondrial Glycerophosphate Dehydrogenase Gene in a Family of Diabetic Subjects. <i>Biochemical and Biophysical Research Communications</i> , 1997, 231, 570-572.	2.1	26
83	Signals related to glucose metabolism regulate islet amyloid polypeptide (IAPP) gene expression in human pancreatic islets. <i>Regulatory Peptides</i> , 1997, 68, 99-104.	1.9	20
84	Autoantibodies against mitochondrial glycerophosphate dehydrogenase in patients with IDDM. <i>Diabetes Research and Clinical Practice</i> , 1997, 38, 115-121.	2.8	3
85	Glucose regulation of islet amyloid polypeptide gene expression in rat pancreatic islets. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1997, 272, E543-E549.	3.5	13
86	Nucleotide sequence of cDNA fragments coding for the FAD, glycerophosphate and calcium-binding domains of human islet mitochondrial glycerophosphate dehydrogenase. <i>IUBMB Life</i> , 1997, 42, 1125-1130.	3.4	0
87	IAPP and Insulin Regulation in Human Pancreatic Islets. <i>Advances in Experimental Medicine and Biology</i> , 1997, 426, 363-369.	1.6	3
88	Pancreatic Islet Mitochondrial Glycerophosphate Dehydrogenase Deficiency in Two Animal Models of Non-Insulin-Dependent Diabetes Mellitus. <i>Biochemical and Biophysical Research Communications</i> , 1996, 220, 1020-1023.	2.1	14
89	Immunodetection of Mitochondrial Glycerophosphate Dehydrogenase (mGDH) by a Polyclonal Antibody Raised against a Recombinant mGDH Fragment Product. <i>Biochemical and Molecular Medicine</i> , 1996, 59, 187-191.	1.4	6
90	Human pancreatic islet function at the onset of Type 1 (insulin-dependent) diabetes mellitus. <i>Diabetologia</i> , 1993, 36, 358-360.	6.3	13

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91	Regulation of Islet Amyloid Polypeptide in Human Pancreatic Islets. <i>Diabetes</i> , 1993, 42, 1514-1519.	0.6	61
92	Effects of Isradipine and Nifedipine Retard in Hypertensive Patients With Type II Diabetes Mellitus. <i>American Journal of Hypertension</i> , 1993, 6, 102S-103S.	2.0	7
93	Regulation of islet amyloid polypeptide in human pancreatic islets. <i>Diabetes</i> , 1993, 42, 1514-1519.	0.6	11
94	Incidence of Type 1 (insulin-dependent) diabetes mellitus in Catalonia, Spain. <i>Diabetologia</i> , 1992, 35, 267-271.	6.3	72
95	Localisation of islet amyloid polypeptide and its carboxy terminal flanking peptide in islets of diabetic man and monkey. <i>Diabetologia</i> , 1991, 34, 449-451.	6.3	13
96	3-O-methyl-D-glucose uptake by erythrocytes of normal and diabetic subjects. <i>Acta Diabetologica Latina</i> , 1990, 27, 279-283.	0.2	1
97	Suppression by insulin treatment of glucose-induced inhibition of insulin release in non-insulin-dependent diabetics. <i>Diabetes Research and Clinical Practice</i> , 1989, 6, 191-198.	2.8	13