

# Celia Bañuls

## List of Publications by Year in descending order

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Version: 2024-02-01

84

papers

2,924

citations

186265

28

h-index

189892

50

g-index

89

all docs

89

docs citations

89

times ranked

4899

citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial dynamics in type 2 diabetes: Pathophysiological implications. Redox Biology, 2017, 11, 637-645.	9.0	403
2	Oxidative Stress, Endothelial Dysfunction and Atherosclerosis. Current Pharmaceutical Design, 2009, 15, 2988-3002.	1.9	211
3	Induction of Oxidative Stress and Human Leukocyte/Endothelial Cell Interactions in Polycystic Ovary Syndrome Patients with Insulin Resistance. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 3115-3122.	3.6	104
4	Mitochondrial Complex I Impairment in Leukocytes from Polycystic Ovary Syndrome Patients with Insulin Resistance. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 3505-3512.	3.6	98
5	Low testosterone levels are related to oxidative stress, mitochondrial dysfunction and altered subclinical atherosclerotic markers in type 2 diabetic male patients. Free Radical Biology and Medicine, 2017, 108, 155-162.	2.9	84
6	The mitochondria-targeted antioxidant MitoQ modulates oxidative stress, inflammation and leukocyte-endothelium interactions in leukocytes isolated from type 2 diabetic patients. Redox Biology, 2016, 10, 200-205.	9.0	82
7	The SGLT2 Inhibitor Empagliflozin Ameliorates the Inflammatory Profile in Type 2 Diabetic Patients and Promotes an Antioxidant Response in Leukocytes. Journal of Clinical Medicine, 2019, 8, 1814.	2.4	82
8	Mitochondria-Targeted Antioxidant Peptides. Current Pharmaceutical Design, 2010, 16, 3124-3131.	1.9	76
9	Insulin Resistance in PCOS Patients Enhances Oxidative Stress and Leukocyte Adhesion: Role of Myeloperoxidase. PLoS ONE, 2016, 11, e0151960.	2.5	76
10	Mitochondria, the NLRP3 Inflammasome, and Sirtuins in Type 2 Diabetes: New Therapeutic Targets Reviewing Editors: Markus Bachschmid, Dylan Burger, Vittorio Calabrese, Amadou Camara, Lukas Kubala, Giuseppe Poli, and Chandan K. Sen. Antioxidants and Redox Signaling, 2018, 29, 749-791.	5.4	74
11	Human Leukocyte/Endothelial Cell Interactions and Mitochondrial Dysfunction in Type 2 Diabetic Patients and Their Association With Silent Myocardial Ischemia. Diabetes Care, 2013, 36, 1695-1702.	8.6	63
12	Metabolic syndrome enhances endoplasmic reticulum, oxidative stress and leukocyte-endothelium interactions in PCOS. Metabolism: Clinical and Experimental, 2017, 71, 153-162.	3.4	58
13	A Review on the Role of Phytosterols: New Insights Into Cardiovascular Risk. Current Pharmaceutical Design, 2011, 17, 4061-4075.	1.9	54
14	The mitochondrial antioxidant SS-31 increases SIRT1 levels and ameliorates inflammation, oxidative stress and leukocyte-endothelium interactions in type 2 diabetes. Scientific Reports, 2018, 8, 15862.	3.3	51
15	Phytosterols: Nutritional Health Players in the Management of Obesity and Its Related Disorders. Antioxidants, 2020, 9, 1266.	5.1	51
16	Mitochondrial complex I impairment in leukocytes from type 2 diabetic patients. Free Radical Biology and Medicine, 2011, 50, 1215-1221.	2.9	50
17	A single acute dose of pinitol from a naturally-occurring food ingredient decreases hyperglycaemia and circulating insulin levels in healthy subjects. Food Chemistry, 2013, 141, 1267-1272.	8.2	45
18	Downregulation of miR-31 in Diabetic Nephropathy and its Relationship with Inflammation. Cellular Physiology and Biochemistry, 2018, 50, 1005-1014.	1.6	45

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19	Does Metformin Protect Diabetic Patients from Oxidative Stress and Leukocyte-Endothelium Interactions?. Antioxidants and Redox Signaling, 2017, 27, 1439-1445.	5.4	44
20	Mitochondrial Dysfunction and Endoplasmic Reticulum Stress in Diabetes. Current Pharmaceutical Design, 2016, 22, 2640-2649.	1.9	41
21	Plasma lipidomics discloses metabolic syndrome with a specific HDL phenotype. FASEB Journal, 2014, 28, 5163-5171.	0.5	40
22	Effects of metformin on mitochondrial function of leukocytes from polycystic ovary syndrome patients with insulin resistance. European Journal of Endocrinology, 2015, 173, 683-691.	3.7	37
23	The Mitochondria-Targeted Antioxidant MitoQ Modulates Mitochondrial Function and Endoplasmic Reticulum Stress in Pancreatic Î² Cells Exposed to Hyperglycaemia. Cellular Physiology and Biochemistry, 2019, 52, 186-197.	1.6	35
24	Moderate weight loss attenuates chronic endoplasmic reticulum stress and mitochondrial dysfunction in human obesity. Molecular Metabolism, 2019, 19, 24-33.	6.5	34
25	Oxidative and endoplasmic reticulum stress is impaired in leukocytes from metabolically unhealthy vs healthy obese individuals. International Journal of Obesity, 2017, 41, 1556-1563.	3.4	33
26	Testosterone Levels in Males with Type 2 Diabetes and Their Relationship with Cardiovascular Risk Factors and Cardiovascular Disease. Journal of Sexual Medicine, 2010, 7, 1954-1964.	0.6	32
27	Association of Serum Retinol Binding Protein 4 with Atherogenic Dyslipidemia in Morbid Obese Patients. PLoS ONE, 2013, 8, e78670.	2.5	32
28	Metformin modulates human leukocyte/endothelial cell interactions and proinflammatory cytokines in polycystic ovary syndrome patients. Atherosclerosis, 2015, 242, 167-173.	0.8	30
29	Effects of phytosterol ester-enriched low-fat milk on serum lipoprotein profile in mildly hypercholesterolaemic patients are not related to dietary cholesterol or saturated fat intake. British Journal of Nutrition, 2010, 104, 1018-1025.	2.3	29
30	Is Glycemic Control Modulating Endoplasmic Reticulum Stress in Leukocytes of Type 2 Diabetic Patients?. Antioxidants and Redox Signaling, 2014, 21, 1759-1765.	5.4	29
31	Relation between lipoprotein subfractions and <scp>TSH</scp> levels in the cardiovascular risk among women with subclinical hypothyroidism. Clinical Endocrinology, 2013, 78, 777-782.	2.4	28
32	Are Mitochondrial Fusion and Fission Impaired in Leukocytes of Type 2 Diabetic Patients?. Antioxidants and Redox Signaling, 2016, 25, 108-115.	5.4	28
33	Altered Mitochondrial Function and Oxidative Stress in Leukocytes of Anorexia Nervosa Patients. PLoS ONE, 2014, 9, e106463.	2.5	26
34	Dietary weight loss intervention improves subclinical atherosclerosis and oxidative stress markers in leukocytes of obese humans. International Journal of Obesity, 2019, 43, 2200-2209.	3.4	26
35	Lipidomics reveals altered biosynthetic pathways of glycerophospholipids and cell signaling as biomarkers of the polycystic ovary syndrome. Oncotarget, 2018, 9, 4522-4536.	1.8	26
36	Low intestinal cholesterol absorption is associated with a reduced efficacy of phytosterol esters as hypolipemic agents in patients with metabolic syndrome. Clinical Nutrition, 2011, 30, 604-609.	5.0	25

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37	Comparability of two different polyacrylamide gel electrophoresis methods for the classification of LDL pattern type. <i>Clinica Chimica Acta</i> , 2012, 413, 251-257.	1.1	25
38	Effect of weight loss on C3 and C4 components of complement in obese patients. <i>European Journal of Clinical Investigation</i> , 2012, 42, 503-509.	3.4	25
39	Metformin induces lipid changes on sphingolipid species and oxidized lipids in polycystic ovary syndrome women. <i>Scientific Reports</i> , 2019, 9, 16033.	3.3	25
40	Evaluation of cardiovascular risk and oxidative stress parameters in hypercholesterolemic subjects on a standard healthy diet including low-fat milk enriched with plant sterols. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 881-886.	4.2	23
41	Pinitol alleviates systemic inflammatory cytokines in human obesity by a mechanism involving unfolded protein response and sirtuin 1. <i>Clinical Nutrition</i> , 2018, 37, 2036-2044.	5.0	23
42	The Pivotal Role of Nitric Oxide: Effects on the Nervous and Immune Systems. <i>Current Pharmaceutical Design</i> , 2014, 20, 4679-4689.	1.9	22
43	Does Metformin Modulate Endoplasmic Reticulum Stress and Autophagy in Type 2 Diabetic Peripheral Blood Mononuclear Cells?. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1562-1569.	5.4	20
44	Effect of Fibre-Enriched Orange Juice on Postprandial Glycaemic Response and Satiety in Healthy Individuals: An Acute, Randomised, Placebo-Controlled, Double-Blind, Crossover Study. <i>Nutrients</i> , 2019, 11, 3014.	4.1	20
45	Mitochondrial Dysfunction and Oxidative Stress in Insulin Resistance. <i>Current Pharmaceutical Design</i> , 2013, 19, 5730-5741.	1.9	20
46	The Role of Mitochondrial Dynamic Dysfunction in Age-Associated Type 2 Diabetes. <i>World Journal of Men's Health</i> , 2022, 40, 399.	3.3	20
47	Mitochondrial Impairment and Oxidative Stress in Leukocytes after Testosterone Administration to Female-to-Male Transsexuals. <i>Journal of Sexual Medicine</i> , 2014, 11, 454-461.	0.6	19
48	Effects of simvastatin, ezetimibe and simvastatin/ezetimibe on mitochondrial function and leukocyte/endothelial cell interactions in patients with hypercholesterolemia. <i>Atherosclerosis</i> , 2016, 247, 40-47.	0.8	19
49	Does Glycemic Control Modulate the Impairment of NLRP3 Inflammasome Activation in Type 2 Diabetes?. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 232-240.	5.4	19
50	Is Autophagy Altered in the Leukocytes of Type 2 Diabetic Patients?. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 1050-1056.	5.4	18
51	Chronic consumption of an inositol-enriched carob extract improves postprandial glycaemia and insulin sensitivity in healthy subjects: A randomized controlled trial. <i>Clinical Nutrition</i> , 2016, 35, 600-607.	5.0	18
52	Obesity impairs leukocyte-endothelium cell interactions and oxidative stress in humans. <i>European Journal of Clinical Investigation</i> , 2018, 48, e12985.	3.4	18
53	Levels of serum retinol-binding protein 4 before and after non-surgical periodontal treatment in lean and obese subjects: An interventional study. <i>Journal of Clinical Periodontology</i> , 2018, 45, 336-344.	4.9	17
54	Involvement of insulin resistance in normoglycaemic obese patients with periodontitis: A cross-sectional study. <i>Journal of Clinical Periodontology</i> , 2017, 44, 981-988.	4.9	16

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55	Involvement of leucocyte/endothelial cell interactions in anorexia nervosa. <i>European Journal of Clinical Investigation</i> , 2015, 45, 670-678.	3.4	15
56	Malnutrition impairs mitochondrial function and leukocyte activation. <i>Nutrition Journal</i> , 2019, 18, 89.	3.4	15
57	Testosterone administration increases leukocyte-endothelium interactions and inflammation in transgender men. <i>Fertility and Sterility</i> , 2021, 115, 483-489.	1.0	15
58	Effect of consumption of a carob pod inositol-enriched beverage on insulin sensitivity and inflammation in middle-aged prediabetic subjects. <i>Food and Function</i> , 2016, 7, 4379-4387.	4.6	14
59	Dietary therapy and non-surgical periodontal treatment in obese patients with chronic periodontitis. <i>Journal of Clinical Periodontology</i> , 2018, 45, 1448-1457.	4.9	14
60	Influence of obesity on atherogenic dyslipidemia in women with polycystic ovary syndrome. <i>European Journal of Clinical Investigation</i> , 2013, 43, 549-556.	3.4	13
61	Mitochondrial Dysfunction and Targeted Drugs: A Focus on Diabetes. <i>Current Pharmaceutical Design</i> , 2011, 17, 1986-2001.	1.9	12
62	Chronic periodontitis impairs polymorphonuclear leukocyte-endothelium cell interactions and oxidative stress in humans. <i>Journal of Clinical Periodontology</i> , 2018, 45, 1429-1439.	4.9	11
63	Effect of Roux-en-Y Bariatric Bypass Surgery on Subclinical Atherosclerosis and Oxidative Stress Markers in Leukocytes of Obese Patients: A One-Year Follow-Up Study. <i>Antioxidants</i> , 2020, 9, 734.	5.1	11
64	The Effectiveness of Glutathione Redox Status as a Possible Tumor Marker in Colorectal Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6183.	4.1	11
65	Does Empagliflozin Modulate Leukocyte-Endothelium Interactions, Oxidative Stress, and Inflammation in Type 2 Diabetes?. <i>Antioxidants</i> , 2021, 10, 1228.	5.1	11
66	Metabolic disorders and inflammation are associated with familial combined hyperlipemia. <i>Clinica Chimica Acta</i> , 2019, 490, 194-199.	1.1	10
67	Role of Oxidative Stress and Mitochondrial Dysfunction in Skeletal Muscle in Type 2 Diabetic Patients. <i>Current Pharmaceutical Design</i> , 2016, 22, 2650-2656.	1.9	10
68	Small and dense LDL in familial combined hyperlipidemia and N291S polymorphism of the lipoprotein lipase gene. <i>Lipids in Health and Disease</i> , 2009, 8, 12.	3.0	9
69	Chronic consumption of an inositol-enriched beverage ameliorates endothelial dysfunction and oxidative stress in type 2 diabetes. <i>Journal of Functional Foods</i> , 2015, 18, 598-607.	3.4	8
70	Adherence to the Mediterranean Diet Has a Protective Role against Metabolic and DNA Damage Markers in Colorectal Cancer Patients. <i>Antioxidants</i> , 2022, 11, 499.	5.1	8
71	The consumption of a bread enriched with dietary fibre and l-carnitine improves glucose homeostasis and insulin sensitivity in patients with metabolic syndrome. <i>Journal of Cereal Science</i> , 2015, 64, 159-167.	3.7	6
72	Characterization of Differentially Expressed Circulating miRNAs in Metabolically Healthy versus Unhealthy Obesity. <i>Biomedicines</i> , 2021, 9, 321.	3.2	6

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73	Macrophages Modulate Hepatic Injury Involving NLRP3 Inflammasome: The Example of Efavirenz. <i>Biomedicines</i> , 2022, 10, 109.	3.2	6
74	Association between AT C573T polymorphism and cardiovascular risk factors in myocardial infarction. <i>Cardiovascular Pathology</i> , 2011, 20, 156-161.	1.6	5
75	Role of Endoplasmic Reticulum and Oxidative Stress Parameters in the Pathophysiology of Disease-Related Malnutrition in Leukocytes of an Outpatient Population. <i>Nutrients</i> , 2019, 11, 1838.	4.1	5
76	A new 8-oxo-7,8-dihydro-2-deoxyguanosine nanoporous anodic alumina aptasensor for colorectal cancer diagnosis in blood and urine. <i>Nanoscale</i> , 2021, 13, 8648-8657.	5.6	5
77	Roux-en-Y Gastric Bypass Modulates AMPK, Autophagy and Inflammatory Response in Leukocytes of Obese Patients. <i>Biomedicines</i> , 2022, 10, 430.	3.2	5
78	The effect of enriching milk-based beverages with plant sterols or stanols on the fatty acid composition of the products. <i>International Journal of Dairy Technology</i> , 2013, 66, 437-448.	2.8	4
79	Mitochondria-Targeted Antioxidants as a Therapeutic Strategy for Protecting Endothelium in Cardiovascular Diseases. <i>Current Medicinal Chemistry</i> , 2014, 21, 2989-3006.	2.4	4
80	Validez, comportamiento y concordancia de 3 herramientas de cribado nutricional respecto a la valoración nutricional completa en distintos Ámbitos sociosanitarios. <i>Medicina Clínica</i> , 2018, 150, 185-187.	0.6	2
81	GRP78 Overexpression Triggers PINK1-IP3R-Mediated Neuroprotective Mitophagy. <i>Biomedicines</i> , 2021, 9, 1039.	3.2	2
82	Effect of perceived stress, concern about hypoglycaemia and level of knowledge of management of the disease on glycaemic control in type 1 diabetes mellitus. <i>Journal of Clinical Nursing</i> , 2022, , .	3.0	1
83	Psychometric properties of a questionnaire to measure adherence to treatment in patients with type 1 diabetes mellitus. <i>Nursing Open</i> , 2022, 9, 2139-2148.	2.4	1
84	Impact of Roux-en-Y Gastric Bypass on Mitochondrial Biogenesis and Dynamics in Leukocytes of Obese Women. <i>Antioxidants</i> , 2022, 11, 1302.	5.1	1