

Celia Bañuls

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

2,924
citations

185998

28
h-index

189595

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. <i>Redox Biology</i> , 2017, 11, 637-645. | 3.9 | 403 |
| 2 | Oxidative Stress, Endothelial Dysfunction and Atherosclerosis. <i>Current Pharmaceutical Design</i> , 2009, 15, 2988-3002. | 0.9 | 211 |
| 3 | Induction of Oxidative Stress and Human Leukocyte/Endothelial Cell Interactions in Polycystic Ovary Syndrome Patients with Insulin Resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, 3115-3122. | 1.8 | 104 |
| 4 | Mitochondrial Complex I Impairment in Leukocytes from Polycystic Ovary Syndrome Patients with Insulin Resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 3505-3512. | 1.8 | 98 |
| 5 | Low testosterone levels are related to oxidative stress, mitochondrial dysfunction and altered subclinical atherosclerotic markers in type 2 diabetic male patients. <i>Free Radical Biology and Medicine</i> , 2017, 108, 155-162. | 1.3 | 84 |
| 6 | The mitochondria-targeted antioxidant MitoQ modulates oxidative stress, inflammation and leukocyte-endothelium interactions in leukocytes isolated from type 2 diabetic patients. <i>Redox Biology</i> , 2016, 10, 200-205. | 3.9 | 82 |
| 7 | The SGLT2 Inhibitor Empagliflozin Ameliorates the Inflammatory Profile in Type 2 Diabetic Patients and Promotes an Antioxidant Response in Leukocytes. <i>Journal of Clinical Medicine</i> , 2019, 8, 1814. | 1.0 | 82 |
| 8 | Mitochondria-Targeted Antioxidant Peptides. <i>Current Pharmaceutical Design</i> , 2010, 16, 3124-3131. | 0.9 | 76 |
| 9 | Insulin Resistance in PCOS Patients Enhances Oxidative Stress and Leukocyte Adhesion: Role of Myeloperoxidase. <i>PLoS ONE</i> , 2016, 11, e0151960. | 1.1 | 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. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 749-791. | 2.5 | 74 |
| 11 | Human Leukocyte/Endothelial Cell Interactions and Mitochondrial Dysfunction in Type 2 Diabetic Patients and Their Association With Silent Myocardial Ischemia. <i>Diabetes Care</i> , 2013, 36, 1695-1702. | 4.3 | 63 |
| 12 | Metabolic syndrome enhances endoplasmic reticulum, oxidative stress and leukocyte-endothelium interactions in PCOS. <i>Metabolism: Clinical and Experimental</i> , 2017, 71, 153-162. | 1.5 | 58 |
| 13 | A Review on the Role of Phytosterols: New Insights Into Cardiovascular Risk. <i>Current Pharmaceutical Design</i> , 2011, 17, 4061-4075. | 0.9 | 54 |
| 14 | The mitochondrial antioxidant SS-31 increases SIRT1 levels and ameliorates inflammation, oxidative stress and leukocyte-endothelium interactions in type 2 diabetes. <i>Scientific Reports</i> , 2018, 8, 15862. | 1.6 | 51 |
| 15 | Phytosterols: Nutritional Health Players in the Management of Obesity and Its Related Disorders. <i>Antioxidants</i> , 2020, 9, 1266. | 2.2 | 51 |
| 16 | Mitochondrial complex I impairment in leukocytes from type 2 diabetic patients. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1215-1221. | 1.3 | 50 |
| 17 | A single acute dose of pinitol from a naturally-occurring food ingredient decreases hyperglycaemia and circulating insulin levels in healthy subjects. <i>Food Chemistry</i> , 2013, 141, 1267-1272. | 4.2 | 45 |
| 18 | Downregulation of miR-31 in Diabetic Nephropathy and its Relationship with Inflammation. <i>Cellular Physiology and Biochemistry</i> , 2018, 50, 1005-1014. | 1.1 | 45 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Does Metformin Protect Diabetic Patients from Oxidative Stress and Leukocyte-Endothelium Interactions?. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 1439-1445. | 2.5 | 44 |
| 20 | Mitochondrial Dysfunction and Endoplasmic Reticulum Stress in Diabetes. <i>Current Pharmaceutical Design</i> , 2016, 22, 2640-2649. | 0.9 | 41 |
| 21 | Plasma lipidomics discloses metabolic syndrome with a specific HDL phenotype. <i>FASEB Journal</i> , 2014, 28, 5163-5171. | 0.2 | 40 |
| 22 | Effects of metformin on mitochondrial function of leukocytes from polycystic ovary syndrome patients with insulin resistance. <i>European Journal of Endocrinology</i> , 2015, 173, 683-691. | 1.9 | 37 |
| 23 | The Mitochondria-Targeted Antioxidant MitoQ Modulates Mitochondrial Function and Endoplasmic Reticulum Stress in Pancreatic Î² Cells Exposed to Hyperglycaemia. <i>Cellular Physiology and Biochemistry</i> , 2019, 52, 186-197. | 1.1 | 35 |
| 24 | Moderate weight loss attenuates chronic endoplasmic reticulum stress and mitochondrial dysfunction in human obesity. <i>Molecular Metabolism</i> , 2019, 19, 24-33. | 3.0 | 34 |
| 25 | Oxidative and endoplasmic reticulum stress is impaired in leukocytes from metabolically unhealthy vs healthy obese individuals. <i>International Journal of Obesity</i> , 2017, 41, 1556-1563. | 1.6 | 33 |
| 26 | Testosterone Levels in Males with Type 2 Diabetes and Their Relationship with Cardiovascular Risk Factors and Cardiovascular Disease. <i>Journal of Sexual Medicine</i> , 2010, 7, 1954-1964. | 0.3 | 32 |
| 27 | Association of Serum Retinol Binding Protein 4 with Atherogenic Dyslipidemia in Morbid Obese Patients. <i>PLoS ONE</i> , 2013, 8, e78670. | 1.1 | 32 |
| 28 | Metformin modulates human leukocyte/endothelial cell interactions and proinflammatory cytokines in polycystic ovary syndrome patients. <i>Atherosclerosis</i> , 2015, 242, 167-173. | 0.4 | 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. <i>British Journal of Nutrition</i> , 2010, 104, 1018-1025. | 1.2 | 29 |
| 30 | Is Glycemic Control Modulating Endoplasmic Reticulum Stress in Leukocytes of Type 2 Diabetic Patients?. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1759-1765. | 2.5 | 29 |
| 31 | Relation between lipoprotein subfractions and TSH levels in the cardiovascular risk among women with subclinical hypothyroidism. <i>Clinical Endocrinology</i> , 2013, 78, 777-782. | 1.2 | 28 |
| 32 | Are Mitochondrial Fusion and Fission Impaired in Leukocytes of Type 2 Diabetic Patients?. <i>Antioxidants and Redox Signaling</i> , 2016, 25, 108-115. | 2.5 | 28 |
| 33 | Altered Mitochondrial Function and Oxidative Stress in Leukocytes of Anorexia Nervosa Patients. <i>PLoS ONE</i> , 2014, 9, e106463. | 1.1 | 26 |
| 34 | Dietary weight loss intervention improves subclinical atherosclerosis and oxidative stress markers in leukocytes of obese humans. <i>International Journal of Obesity</i> , 2019, 43, 2200-2209. | 1.6 | 26 |
| 35 | Lipidomics reveals altered biosynthetic pathways of glycerophospholipids and cell signaling as biomarkers of the polycystic ovary syndrome. <i>Oncotarget</i> , 2018, 9, 4522-4536. | 0.8 | 26 |
| 36 | Low intestinal cholesterol absorption is associated with a reduced efficacy of phytosterol esters as hypolipemic agents in patients with metabolic syndrome. <i>Clinical Nutrition</i> , 2011, 30, 604-609. | 2.3 | 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. | 0.5 | 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. | 1.7 | 25 |
| 39 | Metformin induces lipid changes on sphingolipid species and oxidized lipids in polycystic ovary syndrome women. <i>Scientific Reports</i> , 2019, 9, 16033. | 1.6 | 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. | 1.9 | 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. | 2.3 | 23 |
| 42 | The Pivotal Role of Nitric Oxide: Effects on the Nervous and Immune Systems. <i>Current Pharmaceutical Design</i> , 2014, 20, 4679-4689. | 0.9 | 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. | 2.5 | 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. | 1.7 | 20 |
| 45 | Mitochondrial Dysfunction and Oxidative Stress in Insulin Resistance. <i>Current Pharmaceutical Design</i> , 2013, 19, 5730-5741. | 0.9 | 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. | 1.7 | 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. | 0.3 | 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. | 0.4 | 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. | 2.5 | 19 |
| 50 | Is Autophagy Altered in the Leukocytes of Type 2 Diabetic Patients?. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 1050-1056. | 2.5 | 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. | 2.3 | 18 |
| 52 | Obesity impairs leukocyte-endothelium cell interactions and oxidative stress in humans. <i>European Journal of Clinical Investigation</i> , 2018, 48, e12985. | 1.7 | 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. | 2.3 | 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. | 2.3 | 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. | 1.7 | 15 |
| 56 | Malnutrition impairs mitochondrial function and leukocyte activation. <i>Nutrition Journal</i> , 2019, 18, 89. | 1.5 | 15 |
| 57 | Testosterone administration increases leukocyte-endothelium interactions and inflammation in transgender men. <i>Fertility and Sterility</i> , 2021, 115, 483-489. | 0.5 | 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. | 2.1 | 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. | 2.3 | 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. | 1.7 | 13 |
| 61 | Mitochondrial Dysfunction and Targeted Drugs: A Focus on Diabetes. <i>Current Pharmaceutical Design</i> , 2011, 17, 1986-2001. | 0.9 | 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. | 2.3 | 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. | 2.2 | 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. | 1.8 | 11 |
| 65 | Does Empagliflozin Modulate Leukocyte-Endothelium Interactions, Oxidative Stress, and Inflammation in Type 2 Diabetes?. <i>Antioxidants</i> , 2021, 10, 1228. | 2.2 | 11 |
| 66 | Metabolic disorders and inflammation are associated with familial combined hyperlipemia. <i>Clinica Chimica Acta</i> , 2019, 490, 194-199. | 0.5 | 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. | 0.9 | 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. | 1.2 | 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. | 1.6 | 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. | 2.2 | 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. | 1.8 | 6 |
| 72 | Characterization of Differentially Expressed Circulating miRNAs in Metabolically Healthy versus Unhealthy Obesity. <i>Biomedicines</i> , 2021, 9, 321. | 1.4 | 6 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Macrophages Modulate Hepatic Injury Involving NLRP3 Inflammasome: The Example of Efavirenz. <i>Biomedicines</i> , 2022, 10, 109. | 1.4 | 6 |
| 74 | Association between AT C573T polymorphism and cardiovascular risk factors in myocardial infarction. <i>Cardiovascular Pathology</i> , 2011, 20, 156-161. | 0.7 | 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. | 1.7 | 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. | 2.8 | 5 |
| 77 | Roux-en-Y Gastric Bypass Modulates AMPK, Autophagy and Inflammatory Response in Leukocytes of Obese Patients. <i>Biomedicines</i> , 2022, 10, 430. | 1.4 | 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. | 1.3 | 4 |
| 79 | Mitochondria-Targeted Antioxidants as a Therapeutic Strategy for Protecting Endothelium in Cardiovascular Diseases. <i>Current Medicinal Chemistry</i> , 2014, 21, 2989-3006. | 1.2 | 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. | 0.3 | 2 |
| 81 | GRP78 Overexpression Triggers PINK1-IP3R-Mediated Neuroprotective Mitophagy. <i>Biomedicines</i> , 2021, 9, 1039. | 1.4 | 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, , . | 1.4 | 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. | 1.1 | 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. | 2.2 | 1 |