# Susana Rovira-Llopis

List of Publications by Year
in descending order



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|---|---|---|---|
| 49 papers | 1,916 citations | 257450 24 h-index | 265206 42 g-index |
| 52 all docs | 52 docs citations | 52 times ranked | 3558 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mitochondrial dynamics in type 2 diabetes: Pathophysiological implications. Redox Biology, 2017, 11, 637-645. | 9.0 | 403 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Insulin Resistance in PCOS Patients Enhances Oxidative Stress and Leukocyte Adhesion: Role of Myeloperoxidase. PLoS ONE, 2016, 11, e0151960. | 2.5 | 76 |
| 6 | Mitochondria, the NLRP3 Inflammasome, and Sirtuins in Type 2 Diabetes: New Therapeutic TargetsReviewing 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 |
| 7 | Mitochondrial Dysfunction and Antioxidant Therapy in Sepsis. Infectious Disorders - Drug Targets, 2012, 12, 161-178. | 0.8 | 71 |
| 8 | 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 |
| 9 | Metabolic syndrome enhances endoplasmic reticulum, oxidative stress and leukocyteâ€“endothelium interactions in PCOS. Metabolism: Clinical and Experimental, 2017, 71, 153-162. | 3.4 | 58 |
| 10 | 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 |
| 11 | Is Myeloperoxidase a Key Component in the ROS-Induced Vascular Damage Related to Nephropathy in Type 2 Diabetes?. Antioxidants and Redox Signaling, 2013, 19, 1452-1458. | 5.4 | 50 |
| 12 | Downregulation of miR-31 in Diabetic Nephropathy and its Relationship with Inflammation. Cellular Physiology and Biochemistry, 2018, 50, 1005-1014. | 1.6 | 45 |
| 13 | Does Metformin Protect Diabetic Patients from Oxidative Stress and Leukocyte-Endothelium Interactions?. Antioxidants and Redox Signaling, 2017, 27, 1439-1445. | 5.4 | 44 |
| 14 | Mitochondrial Dysfunction and Endoplasmic Reticulum Stress in Diabetes. Current Pharmaceutical Design, 2016, 22, 2640-2649. | 1.9 | 41 |
| 15 | Plasma lipidomics discloses metabolic syndrome with a specific HDL phenotype. FASEB Journal, 2014, 28, 5163-5171. | 0.5 | 40 |
| 16 | Perspectives and Potential Applications of Mitochondriaâ€Targeted Antioxidants in Cardiometabolic Diseases and Type 2 Diabetes. Medicinal Research Reviews, 2014, 34, 160-189. | 10.5 | 40 |
| 17 | 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 |
| 18 | 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 |

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|---|---|---|---|
| 19 | Moderate weight loss attenuates chronic endoplasmic reticulum stress and mitochondrial dysfunction in human obesity. Molecular Metabolism, 2019, 19, 24-33. | 6.5 | 34 |
| 20 | 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 |
| 21 | Association of Serum Retinol Binding Protein 4 with Atherogenic Dyslipidemia in Morbid Obese Patients. PLoS ONE, 2013, 8, e78670. | 2.5 | 32 |
| 22 | Metformin modulates human leukocyte/endothelial cell interactions and proinflammatory cytokines in polycystic ovary syndrome patients. Atherosclerosis, 2015, 242, 167-173. | 0.8 | 30 |
| 23 | 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 |
| 24 | Are Mitochondrial Fusion and Fission Impaired in Leukocytes of Type 2 Diabetic Patients?. Antioxidants and Redox Signaling, 2016, 25, 108-115. | 5.4 | 28 |
| 25 | Altered Mitochondrial Function and Oxidative Stress in Leukocytes of Anorexia Nervosa Patients. PLoS ONE, 2014, 9, e106463. | 2.5 | 26 |
| 26 | 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 |
| 27 | Metformin induces lipid changes on sphingolipid species and oxidized lipids in polycystic ovary syndrome women. Scientific Reports, 2019, 9, 16033. | 3.3 | 25 |
| 28 | Pinitol alleviates systemic inflammatory cytokines in human obesity by a mechanism involving unfolded protein response and sirtuin 1. Clinical Nutrition, 2018, 37, 2036-2044. | 5.0 | 23 |
| 29 | The Pivotal Role of Nitric Oxide: Effects on the Nervous and Immune Systems. Current Pharmaceutical Design, 2014, 20, 4679-4689. | 1.9 | 22 |
| 30 | Does Metformin Modulate Endoplasmic Reticulum Stress and Autophagy in Type 2 Diabetic Peripheral Blood Mononuclear Cells?. Antioxidants and Redox Signaling, 2018, 28, 1562-1569. | 5.4 | 20 |
| 31 | Mitochondrial Dysfunction and Oxidative Stress in Insulin Resistance. Current Pharmaceutical Design, 2013, 19, 5730-5741. | 1.9 | 20 |
| 32 | Mitochondrial Impairment and Oxidative Stress in Leukocytes after Testosterone Administration to Femaleâ€Toâ€Male Transsexuals. Journal of Sexual Medicine, 2014, 11, 454-461. | 0.6 | 19 |
| 33 | Effects of simvastatin, ezetimibe and simvastatin/ezetimibe on mitochondrial function and leukocyte/endothelial cell interactions in patients with hypercholesterolemia. Atherosclerosis, 2016, 247, 40-47. | 0.8 | 19 |
| 34 | Does Glycemic Control Modulate the Impairment of NLRP3 Inflammasome Activation in Type 2 Diabetes?. Antioxidants and Redox Signaling, 2019, 30, 232-240. | 5.4 | 19 |
| 35 | Exercise Training Promotes Sex-Specific Adaptations in Mouse Inguinal White Adipose Tissue. Diabetes, 2021, 70, 1250-1264. | 0.6 | 19 |
| 36 | Is Autophagy Altered in the Leukocytes of Type 2 Diabetic Patients?. Antioxidants and Redox Signaling, 2015, 23, 1050-1056. | 5.4 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Chronic consumption of an inositol-enriched carob extract improves postprandial glycaemia and insulin sensitivity in healthy subjects: A randomized controlled trial. Clinical Nutrition, 2016, 35, 600-607. | 5.0 | 18 |
| 38 | Involvement of leucocyte/endothelial cell interactions in anorexia nervosa. European Journal of Clinical Investigation, 2015, 45, 670-678. | 3.4 | 15 |
| 39 | Effect of consumption of a carob pod inositol-enriched beverage on insulin sensitivity and inflammation in middle-aged prediabetic subjects. Food and Function, 2016, 7, 4379-4387. | 4.6 | 14 |
| 40 | Role of Oxidative Stress and Mitochondrial Dysfunction in Skeletal Muscle in Type 2 Diabetic Patients. Current Pharmaceutical Design, 2016, 22, 2650-2656. | 1.9 | 10 |
| 41 | Chronic consumption of an inositol-enriched beverage ameliorates endothelial dysfunction and oxidative stress in type 2 diabetes. Journal of Functional Foods, 2015, 18, 598-607. | 3.4 | 8 |
| 42 | Ceria nanoparticles with rhodamine B as a powerful theranostic agent against intracellular oxidative stress. RSC Advances, 2015, 5, 79423-79432. | 3.6 | 7 |
| 43 | The consumption of a bread enriched with dietary fibre and l-carnitine improves glucose homoeostasis and insulin sensitivity in patients with metabolic syndrome. Journal of Cereal Science, 2015, 64, 159-167. | 3.7 | 6 |
| 44 | Characterization of Differentially Expressed Circulating miRNAs in Metabolically Healthy versus Unhealthy Obesity. Biomedicines, 2021, 9, 321. | 3.2 | 6 |
| 45 | Differential Effects of Biologics on Psoriasis-Related Vascular Inflammation and Risk of Thrombosis. Journal of Investigative Dermatology, 2020, 140, 2294-2298.e6. | 0.7 | 4 |
| 46 | Mitochondria-Targeted Antioxidants as a Therapeutic Strategy for Protecting Endothelium in Cardiovascular Diseases. Current Medicinal Chemistry, 2014, 21, 2989-3006. | 2.4 | 4 |
| 47 | Atherosclerosis, Mitochondrial Dysfunction and Oxidative Stress: Mitochondria-Targeted Antioxidants as Potential Therapy. , 2016, , 96-135. | | 3 |
| 48 | The role of reactive oxygen species in obesity therapeutics. Expert Review of Endocrinology and Metabolism, 2014, 9, 629-639. | 2.4 | 2 |
| 49 | MicroRNAs in Diabetes and Its Vascular Complications. Cardiac and Vascular Biology, 2017, , 39-59. | 0.2 | 0 |