

# Catalina Carrasco-Pozo

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

2,545  
citations

185998

28  
h-index

205818

48  
g-index

55  
all docs

55  
docs citations

55  
times ranked

4240  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | HBO1 is required for the maintenance of leukaemia stem cells. <i>Nature</i> , 2020, 577, 266-270.   | 13.7 | 105       |
| 2  | Hemin Prevents Increased Glycolysis in Macrophages upon Activation: Protection by Microbiota-Derived Metabolites of Polyphenols. <i>Antioxidants</i> , 2020, 9, 1109.   | 2.2  | 8         |
| 3  | Metabolic Roles of Androgen Receptor and Tip60 in Androgen-Dependent Prostate Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6622.  | 1.8  | 9         |
| 4  | The Microbiota-Derived Metabolite of Quercetin, 3,4-Dihydroxyphenylacetic Acid Prevents Malignant Transformation and Mitochondrial Dysfunction Induced by Hemin in Colon Cancer and Normal Colon Epithelia Cell Lines. <i>Molecules</i> , 2020, 25, 4138. | 1.7  | 13        |
| 5  | Open-label long-term treatment of add-on triheptanoin in adults with drug-resistant epilepsy. <i>Epilepsia Open</i> , 2020, 5, 230-239.   | 1.3  | 9         |
| 6  | The Anti-Cancer Effect of Quercetin: Molecular Implications in Cancer Metabolism. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3177.  | 1.8  | 361       |
| 7  | The Molecular Effects of Sulforaphane and Capsaicin on Metabolism upon Androgen and Tip60 Activation of Androgen Receptor. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5384.   | 1.8  | 15        |
| 8  | Protective Effect of an Avocado Peel Polyphenolic Extract Rich in Proanthocyanidins on the Alterations of Colonic Homeostasis Induced by a High-Protein Diet. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11616-11626.                  | 2.4  | 18        |
| 9  | Effect of a proanthocyanidin-rich polyphenol extract from avocado on the production of amino acid-derived bacterial metabolites and the microbiota composition in rats fed a high-protein diet. <i>Food and Function</i> , 2019, 10, 4022-4035.           | 2.1  | 25        |
| 10 | Quercetin and Epigallocatechin Gallate in the Prevention and Treatment of Obesity: From Molecular to Clinical Studies. <i>Journal of Medicinal Food</i> , 2019, 22, 753-770.  | 0.8  | 57        |
| 11 | Antenatal melatonin modulates an enhanced antioxidant/pro-oxidant ratio in pulmonary hypertensive newborn sheep. <i>Redox Biology</i> , 2019, 22, 101128.   | 3.9  | 26        |
| 12 | Dexmedetomidine Improves Cardiovascular and Ventilatory Outcomes in Critically Ill Patients: Basic and Clinical Approaches. <i>Frontiers in Pharmacology</i> , 2019, 10, 1641.  | 1.6  | 36        |
| 13 | Proanthocyanidin-containing polyphenol extracts from fruits prevent the inhibitory effect of hydrogen sulfide on human colonocyte oxygen consumption. <i>Amino Acids</i> , 2018, 50, 755-763.   | 1.2  | 18        |
| 14 | Triheptanoin protects against status epilepticus-induced hippocampal mitochondrial dysfunctions, oxidative stress and neuronal degeneration. <i>Journal of Neurochemistry</i> , 2018, 144, 431-442.   | 2.1  | 23        |
| 15 | Quercetin Prevents Diastolic Dysfunction Induced by a High-Cholesterol Diet: Role of Oxidative Stress and Bioenergetics in Hyperglycemic Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-14.                                       | 1.9  | 48        |
| 16 | Heptanoate is neuroprotective in vitro but triheptanoin post-treatment did not protect against middle cerebral artery occlusion in rats. <i>Neuroscience Letters</i> , 2018, 683, 207-214.  | 1.0  | 6         |
| 17 | Mechanisms of Cardiovascular Protection Associated with Intermittent Hypobaric Hypoxia Exposure in a Rat Model: Role of Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2018, 19, 366.   | 1.8  | 24        |
| 18 | Polyunsaturated fatty acid induces cardioprotection against ischemia-reperfusion through the inhibition of NF-kappaB and induction of Nrf2. <i>Experimental Biology and Medicine</i> , 2017, 242, 1104-1114.  | 1.1  | 30        |

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|----|--|-----|-----------|
| 19 | Quercetin Oxidation Paradoxically Enhances its Antioxidant and Cytoprotective Properties. Journal of Agricultural and Food Chemistry, 2017, 65, 11002-11010.   | 2.4 | 48        |
| 20 | Tridecanoin is anticonvulsant, antioxidant, and improves mitochondrial function. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2035-2048.   | 2.4 | 55        |
| 21 | Sulforaphane Protects against High Cholesterol-Induced Mitochondrial Bioenergetics Impairments, Inflammation, and Oxidative Stress and Preserves Pancreatic $\beta$ -Cells Function. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-14.              | 1.9 | 32        |
| 22 | Alterations in Cytosolic and Mitochondrial [ $^{13}C$ ]Glucose Metabolism in a Chronic Epilepsy Mouse Model. ENeuro, 2017, 4, ENEURO.0341-16.2017.   | 0.9 | 39        |
| 23 | Deleterious Effect of <i>p</i> -Cresol on Human Colonic Epithelial Cells Prevented by Proanthocyanidin-Containing Polyphenol Extracts from Fruits and Proanthocyanidin Bacterial Metabolites. Journal of Agricultural and Food Chemistry, 2016, 64, 3574-3583. | 2.4 | 54        |
| 24 | Impact of Dietary Lipids on Colonic Function and Microbiota: An Experimental Approach Involving Orlistat-Induced Fat Malabsorption in Human Volunteers. Clinical and Translational Gastroenterology, 2016, 7, e161.  | 1.3 | 64        |
| 25 | The deleterious effect of cholesterol and protection by quercetin on mitochondrial bioenergetics of pancreatic $\beta$ -cells, glycemic control and inflammation: In vitro and in vivo studies. Redox Biology, 2016, 9, 229-243.                               | 3.9 | 76        |
| 26 | Polyphenol extracts interfere with bacterial lipopolysaccharide in vitro and decrease postprandial endotoxemia in human volunteers. Journal of Functional Foods, 2016, 26, 406-417.  | 1.6 | 19        |
| 27 | Pharmacological models and approaches for pathophysiological conditions associated with hypoxia and oxidative stress. , 2016, 158, 1-23.   |     | 52        |
| 28 | Molecular mechanisms of gastrointestinal protection by quercetin against indomethacin-induced damage: role of NF- $\kappa$ B and Nrf2. Journal of Nutritional Biochemistry, 2016, 27, 289-298.   | 1.9 | 61        |
| 29 | The Gastrointestinal Tract as a Key Target Organ for the Health-Promoting Effects of Dietary Proanthocyanidins. Frontiers in Nutrition, 2016, 3, 57.   | 1.6 | 70        |
| 30 | Sulforaphane is anticonvulsant and improves mitochondrial function. Journal of Neurochemistry, 2015, 135, 932-942.   | 2.1 | 56        |
| 31 | $\beta$ 3 Supplementation and Intermittent Hypobaric Hypoxia Induce Cardioprotection Enhancing Antioxidant Mechanisms in Adult Rats. Marine Drugs, 2015, 13, 838-860.  | 2.2 | 21        |
| 32 | 3,4-dihydroxyphenylacetic acid, a microbiota-derived metabolite of quercetin, protects against pancreatic $\beta$ -cells dysfunction induced by high cholesterol. Experimental Cell Research, 2015, 334, 270-282.  | 1.2 | 63        |
| 33 | The deleterious metabolic and genotoxic effects of the bacterial metabolite <i>p</i> -cresol on colonic epithelial cells. Free Radical Biology and Medicine, 2015, 85, 219-227.  | 1.3 | 108       |
| 34 | The intake of maqui ( <i>Aristotelia chilensis</i> ) berry extract normalizes H <sub>2</sub> O <sub>2</sub> and IL-6 concentrations in exhaled breath condensate from healthy smokers - an explorative study. Nutrition Journal, 2015, 14, 27.                 | 1.5 | 16        |
| 35 | Probiotic Screening and Safety Evaluation of <i>Lactobacillus</i> Strains from Plants, Artisanal Goat Cheese, Human Stools, and Breast Milk. Journal of Medicinal Food, 2014, 17, 487-495.   | 0.8 | 26        |
| 36 | Protection by Polyphenols Against Mitochondrial Damage and Cytotoxicity. , 2014, , 731-746.  |     | 2         |

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|----|---|-----|-----------|
| 37 | Effect of the Synbiotic (<i>B. animalis</i> spp. <i>lactis</i> Bb12 + Oligofructose) in Obese Subjects. A Randomized, Double-Blind, Controlled Clinical Trial. <i>Journal of Food and Nutrition Research</i> (Newark, Del ), 2014, 2, 491-498.    | 0.1 | 11        |
| 38 | Polyphenols Protect the Epithelial Barrier Function of Caco-2 Cells Exposed to Indomethacin through the Modulation of Occludin and Zonula Occludens-1 Expression. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 5291-5297.        | 2.4 | 106       |
| 39 | Stimulation of cytosolic and mitochondrial calcium mobilization by indomethacin in Caco-2 cells: Modulation by the polyphenols quercetin, resveratrol and rutin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 2052-2061. | 1.1 | 39        |
| 40 | Differential protective effects of quercetin, resveratrol, rutin and epigallocatechin gallate against mitochondrial dysfunction induced by indomethacin in Caco-2 cells. <i>Chemico-Biological Interactions</i> , 2012, 195, 199-205.             | 1.7 | 121       |
| 41 | Apple Peel Polyphenols Protect against Gastrointestinal Mucosa Alterations Induced by Indomethacin in Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 6459-6466.  | 2.4 | 48        |
| 42 | Apple Peel Polyphenol Extract Protects against Indomethacin-Induced Damage in Caco-2 Cells by Preventing Mitochondrial Complex I Inhibition. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 11501-11508.                           | 2.4 | 38        |
| 43 | Superoxide-dependent reduction of free Fe <sup>3+</sup> and release of Fe <sup>2+</sup> from ferritin by the physiologically-occurring Cu(I)-glutathione complex. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 534-541.                  | 1.4 | 24        |
| 44 | Protection by apple peel polyphenols against indomethacin-induced oxidative stress, mitochondrial damage and cytotoxicity in Caco-2 cells. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 943-950.                                       | 1.2 | 40        |
| 45 | The Cu(I)-glutathione complex: factors affecting its formation and capacity to generate reactive oxygen species. <i>Transition Metal Chemistry</i> , 2010, 35, 321-329.   | 0.7 | 20        |
| 46 | Protection by apple peel polyphenols against indomethacin-induced oxidative stress, mitochondrial damage and cytotoxicity in Caco-2 cells. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 943-50.  | 1.2 | 7         |
| 47 | New potent 5-nitroindazole derivatives as inhibitors of <i>Trypanosoma cruzi</i> growth: Synthesis, biological evaluation, and mechanism of action studies. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 8186-8196.                      | 1.4 | 41        |
| 48 | Cu(I)-Glutathione complex: A potential source of superoxide radicals generation. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 6568-6574.   | 1.4 | 95        |
| 49 | Double edge redox-implications for the interaction between endogenous thiols and copper ions: In vitro studies. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 9795-9803.  | 1.4 | 27        |
| 50 | SLOW AND FAST-REACTING ANTIOXIDANTS FROM BERRIES: THEIR EVALUATION THROUGH THE FRAP (FERRIC) Tj ETQq0 0 0 ggBT /Overl   | 0.1 | 5         |
| 51 | In Vitro Interaction Between Homocysteine and Copper Ions: Potential Redox Implications. <i>Experimental Biology and Medicine</i> , 2006, 231, 1569-1575.   | 1.1 | 20        |
| 52 | Antioxidant screening of medicinal herbal teas. <i>Phytotherapy Research</i> , 2006, 20, 462-467.   | 2.8 | 42        |
| 53 | Boldine and its antioxidant or health-promoting properties. <i>Chemico-Biological Interactions</i> , 2006, 159, 1-17.   | 1.7 | 147       |
| 54 | Reaction of 5-Aminosalicylic Acid with Peroxyl Radicals: Protection and Recovery by Ascorbic Acid and Amino Acids. <i>Pharmaceutical Research</i> , 2005, 22, 1642-1648.  | 1.7 | 18        |