

Guillermo Ceballos

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

2,503
citations

30
h-index

47
g-index

103
ext. papers

2,897
ext. citations

4.3
avg, IF

4.75
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 97 | Restorative potential of (-)-epicatechin in a rat model of Gulf War illness muscle atrophy and fatigue. <i>Scientific Reports</i> , 2021 , 11, 21861 | 4.9 | 0 |
| 96 | Antifibrotic Effects of (-)-Epicatechin on High Glucose Stimulated Cardiac Fibroblasts. <i>Journal of Medicinal Food</i> , 2021 , 24, 1177-1185 | 2.8 | |
| 95 | (-)-Epicatechin induces mitochondrial biogenesis and markers of muscle regeneration in adults with Becker muscular dystrophy. <i>Muscle and Nerve</i> , 2021 , 63, 239-249 | 3.4 | 14 |
| 94 | Stimulatory effects of (-)-epicatechin and its enantiomer (+)-epicatechin on mouse frontal cortex neurogenesis markers and short-term memory: proof of concept. <i>Food and Function</i> , 2021 , 12, 3504-3515 | 6.1 | 0 |
| 93 | Antihyperglycemic and Lipid Profile Effects of Ortega on Streptozocin-Induced Type 2 Diabetic Mice. <i>Molecules</i> , 2021 , 26, | 4.8 | 5 |
| 92 | Anticancer potential of (-)-epicatechin in a triple-negative mammary gland model. <i>Journal of Pharmacy and Pharmacology</i> , 2021 , 73, 1675-1682 | 4.8 | 1 |
| 91 | PXR is a target of (-)-epicatechin in skeletal muscle. <i>Heliyon</i> , 2020 , 6, e05357 | 3.6 | 6 |
| 90 | Restricted Water Intake and Hydration with Fructose-Containing Beverages during Infancy Predispose to Aggravate an Acute Renal Ischemic Insult in Adolescent Rats. <i>BioMed Research International</i> , 2020 , 2020, 4281802 | 3 | 2 |
| 89 | (-)-Epicatechin reduces muscle waste after complete spinal cord transection in a murine model: role of ubiquitin-proteasome system. <i>Molecular Biology Reports</i> , 2020 , 47, 8975-8985 | 2.8 | 3 |
| 88 | The role of inflammation in driving left ventricular remodeling in a pre-HFpEF model. <i>Experimental Biology and Medicine</i> , 2020 , 245, 748-757 | 3.7 | 3 |
| 87 | Sex related differences in the pathogenesis of organ fibrosis. <i>Translational Research</i> , 2020 , 222, 41-55 | 11 | 8 |
| 86 | 11-Hydroxysterols as possible endogenous stimulators of mitochondrial biogenesis as inferred from epicatechin molecular mimicry. <i>Pharmacological Research</i> , 2020 , 151, 104540 | 10.2 | 3 |
| 85 | Randomized Trial of Deep Vein Thrombosis Chemoprophylaxis with Bemiparin and Enoxaparin in Patients with Moderate to High Thrombogenic Risk Undergoing Plastic and Reconstructive Surgery Procedures. <i>Aesthetic Plastic Surgery</i> , 2020 , 44, 820-829 | 2 | 0 |
| 84 | Effects of (-)-epicatechin on the time course of the expression of perilipins in a diet-induced model of nonalcoholic steatohepatitis. <i>Journal of Nutritional Biochemistry</i> , 2020 , 77, 108296 | 6.3 | 5 |
| 83 | Flavonoids from dark chocolate and (-)-epicatechin ameliorate high-fat diet-induced decreases in mobility and muscle damage in aging mice. <i>Food Bioscience</i> , 2020 , 37, | 4.9 | 3 |
| 82 | Arginase inhibition by (-)-Epicatechin reverses endothelial cell aging. <i>European Journal of Pharmacology</i> , 2020 , 885, 173442 | 5.3 | 6 |
| 81 | Effects of (-)-epicatechin on neuroinflammation and hyperphosphorylation of tau in the hippocampus of aged mice. <i>Food and Function</i> , 2020 , 11, 10351-10361 | 6.1 | 6 |

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| 80 | Catechins modulate the activity of mu opioid receptor (OR): An in silico approach. <i>Informatics in Medicine Unlocked</i> , 2020 , 20, 100431 | 5.3 | 0 |
| 79 | Development of muscle atrophy and loss of function in a Gulf-War illness model: underlying mechanisms. <i>Scientific Reports</i> , 2020 , 10, 14526 | 4.9 | 6 |
| 78 | Effects of Cacao By-Products and a Modest Weight Loss Intervention on the Concentration of Serum Triglycerides in Overweight Subjects: Proof of Concept. <i>Journal of Medicinal Food</i> , 2020 , 23, 745-749 | 2.8 | 2 |
| 77 | Unmasking of oestrogen-dependent changes in left ventricular structure and function in aged female rats: a potential model for pre-heart failure with preserved ejection fraction. <i>Journal of Physiology</i> , 2019 , 597, 1805-1817 | 3.9 | 10 |
| 76 | Effects of chronic inhibition of Testosterone metabolism on cardiac remodeling after ischemia/reperfusion-induced myocardial damage in gonadectomized rats. <i>Biology Open</i> , 2019 , 8, | 2.2 | 3 |
| 75 | High Flavonoid Cocoa Supplement Ameliorates Plasma Oxidative Stress and Inflammation Levels While Improving Mobility and Quality of Life in Older Subjects: A Double-Blind Randomized Clinical Trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 1620-1627 | 6.4 | 21 |
| 74 | Mexican Epidemiological Paradox: A Developing Country With a Burden of Richness Diseases. An update 2019 , 357-369 | | |
| 73 | Effect of (-)-epicatechin on the modulation of progression markers of chronic renal damage in a 5/6 nephrectomy experimental model. <i>Heliyon</i> , 2019 , 5, e01512 | 3.6 | 2 |
| 72 | Structural and energetic basis for novel epicatechin derivatives acting as GPER agonists through the MMGBSA method. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019 , 189, 176-186 | 5.1 | 7 |
| 71 | Synthesis of novel (-)-epicatechin derivatives as potential endothelial GPER agonists: Evaluation of biological effects. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018 , 28, 658-663 | 2.9 | 9 |
| 70 | (-)-Epicatechin induced reversal of endothelial cell aging and improved vascular function: underlying mechanisms. <i>Food and Function</i> , 2018 , 9, 4802-4813 | 6.1 | 18 |
| 69 | Association of physical performance tests with frailty indicators and oxidative stress markers in a sample of a community-dwelling elderly population. <i>Biomedical Research (Aligarh, India)</i> , 2018 , 29, | 0 | 2 |
| 68 | The cardioprotective effects of (-)-Epicatechin are mediated through arginase activity inhibition in a murine model of ischemia/reperfusion. <i>European Journal of Pharmacology</i> , 2018 , 818, 335-342 | 5.3 | 12 |
| 67 | A pilot study on clinical pharmacokinetics and preclinical pharmacodynamics of (+)-epicatechin on cardiometabolic endpoints. <i>Food and Function</i> , 2018 , 9, 307-319 | 6.1 | 8 |
| 66 | Browning effects of (-)-epicatechin on adipocytes and white adipose tissue. <i>European Journal of Pharmacology</i> , 2017 , 811, 48-59 | 5.3 | 28 |
| 65 | Effects of (-)-epicatechin on frontal cortex DAPC and dysbindin of the mdx mice. <i>Neuroscience Letters</i> , 2017 , 658, 142-149 | 3.3 | 3 |
| 64 | A randomized, placebo-controlled, double-blind study on the effects of (-)-epicatechin on the triglyceride/HDLc ratio and cardiometabolic profile of subjects with hypertriglyceridemia: Unique in vitro effects. <i>International Journal of Cardiology</i> , 2016 , 223, 500-506 | 3.2 | 30 |
| 63 | Is Local Nitric Oxide Availability Responsible for Myocardial Salvage after Remote Preconditioning?. <i>Arquivos Brasileiros De Cardiologia</i> , 2016 , 107, 154-62 | 1.2 | 8 |

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| 62 | (-)-Epicatechin-induced recovery of mitochondria from simulated diabetes: Potential role of endothelial nitric oxide synthase. <i>Diabetes and Vascular Disease Research</i> , 2016 , 13, 201-10 | 3.3 | 37 |
| 61 | Beneficial effects of dark chocolate on exercise capacity in sedentary subjects: underlying mechanisms. A double blind, randomized, placebo controlled trial. <i>Food and Function</i> , 2016 , 7, 3686-93 | 6.1 | 39 |
| 60 | The effects of (-)-epicatechin on endothelial cells involve the G protein-coupled estrogen receptor (GPER). <i>Pharmacological Research</i> , 2015 , 100, 309-20 | 10.2 | 41 |
| 59 | Pharmacokinetic, partial pharmacodynamic and initial safety analysis of (-)-epicatechin in healthy volunteers. <i>Food and Function</i> , 2015 , 6, 824-33 | 6.1 | 27 |
| 58 | Recovery of Indicators of Mitochondrial Biogenesis, Oxidative Stress, and Aging With (-)-Epicatechin in Senile Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 1370-8 | 6.4 | 52 |
| 57 | OBESITY PHENOTYPES IN URBAN MIDDLE-CLASS COHORTS; THE PRIT-LINDAVISTA MERGING EVIDENCE IN MEXICO: THE OPUS PRIME STUDY. <i>Nutricion Hospitalaria</i> , 2015 , 32, 182-8 | 1 | 4 |
| 56 | Erratum to Does Metformin Increase Paraoxonase Activity in Patients with the Metabolic Syndrome? Additional Data from the MEFISTO Study 2015 , 8, 873-873 | | |
| 55 | Acute effects of an oral supplement of (-)-epicatechin on postprandial fat and carbohydrate metabolism in normal and overweight subjects. <i>Food and Function</i> , 2014 , 5, 521-7 | 6.1 | 37 |
| 54 | Effects of (-)-epicatechin on molecular modulators of skeletal muscle growth and differentiation. <i>Journal of Nutritional Biochemistry</i> , 2014 , 25, 91-4 | 6.3 | 51 |
| 53 | Effects of (-)-epicatechin on a diet-induced rat model of cardiometabolic risk factors. <i>European Journal of Pharmacology</i> , 2014 , 728, 24-30 | 5.3 | 53 |
| 52 | Cell membrane mediated (-)-epicatechin effects on upstream endothelial cell signaling: evidence for a surface receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 2749-52 | 2.9 | 32 |
| 51 | Role for high-glucose-induced protein O-GlcNAcylation in stimulating cardiac fibroblast collagen synthesis. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 306, C794-804 | 5.4 | 46 |
| 50 | Co-administration of the flavanol (-)-epicatechin with doxycycline synergistically reduces infarct size in a model of ischemia reperfusion injury by inhibition of mitochondrial swelling. <i>European Journal of Pharmacology</i> , 2014 , 744, 76-82 | 5.3 | 19 |
| 49 | (-)-Epicatechin improves mitochondrial-related protein levels and ameliorates oxidative stress in dystrophic β -arctoglycan null mouse striated muscle. <i>FEBS Journal</i> , 2014 , 281, 5567-80 | 5.7 | 30 |
| 48 | Intravenous (-)-epicatechin reduces myocardial ischemic injury by protecting mitochondrial function. <i>International Journal of Cardiology</i> , 2014 , 175, 297-306 | 3.2 | 36 |
| 47 | Obesity, Metabolic Syndrome, and Dietary Therapeutical Approaches with a Special Focus on Nutraceuticals (Polyphenols): A Mini-Review. <i>International Journal for Vitamin and Nutrition Research</i> , 2014 , 84, 113-23 | 1.7 | 38 |
| 46 | (-)-Epicatechin: cardiometabolic clinical effects supported by preclinical model (829.2). <i>FASEB Journal</i> , 2014 , 28, 829.2 | 0.9 | |
| 45 | Effects of (-)-epicatechin and derivatives on nitric oxide mediated induction of mitochondrial proteins. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 4441-6 | 2.9 | 35 |

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| 44 | Testosterone metabolites mediate its effects on myocardial damage induced by ischemia/reperfusion in male Wistar rats. <i>Steroids</i> , 2013 , 78, 362-9 | 2.8 | 15 |
| 43 | (-)-Epicatechin rich cocoa mediated modulation of oxidative stress regulators in skeletal muscle of heart failure and type 2 diabetes patients. <i>International Journal of Cardiology</i> , 2013 , 168, 3982-3990 | 3.2 | 65 |
| 42 | Perturbations in skeletal muscle sarcomere structure in patients with heart failure and type 2 diabetes: restorative effects of (-)-epicatechin-rich cocoa. <i>Clinical Science</i> , 2013 , 125, 383-9 | 6.5 | 35 |
| 41 | Anthropometric traits, blood pressure, and dietary and physical exercise habits in health sciences students; the obesity observatory project. <i>Nutricion Hospitalaria</i> , 2013 , 28, 194-201 | 1 | 4 |
| 40 | Alterations in skeletal muscle indicators of mitochondrial structure and biogenesis in patients with type 2 diabetes and heart failure: effects of epicatechin rich cocoa. <i>Clinical and Translational Science</i> , 2012 , 5, 43-7 | 4.9 | 79 |
| 39 | Does metformin increase paraoxonase activity in patients with the metabolic syndrome? Additional data from the MEFISTO study. <i>Clinical and Translational Science</i> , 2012 , 5, 265-8 | 4.9 | 9 |
| 38 | (-)-Epicatechin-induced calcium independent eNOS activation: roles of HSP90 and AKT. <i>Molecular and Cellular Biochemistry</i> , 2012 , 370, 141-50 | 4.2 | 25 |
| 37 | Absence of human papillomavirus sequences in epithelial breast cancer in a Mexican female population. <i>Medical Oncology</i> , 2012 , 29, 1515-7 | 3.7 | 12 |
| 36 | Tetracycline compounds with non-antimicrobial organ protective properties: possible mechanisms of action. <i>Pharmacological Research</i> , 2011 , 63, 102-7 | 10.2 | 123 |
| 35 | (-)-Epicatechin enhances fatigue resistance and oxidative capacity in mouse muscle. <i>Journal of Physiology</i> , 2011 , 589, 4615-31 | 3.9 | 126 |
| 34 | (-)-Epicatechin induces calcium and translocation independent eNOS activation in arterial endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 300, C880-7 | 5.4 | 41 |
| 33 | (-)-epicatechin activation of endothelial cell endothelial nitric oxide synthase, nitric oxide, and related signaling pathways. <i>Hypertension</i> , 2010 , 55, 1398-405 | 8.5 | 124 |
| 32 | Effects of (-)-epicatechin on myocardial infarct size and left ventricular remodeling after permanent coronary occlusion. <i>Journal of the American College of Cardiology</i> , 2010 , 55, 2869-76 | 15.1 | 51 |
| 31 | Tetracyclines: a pleiotropic family of compounds with promising therapeutic properties. Review of the literature. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 299, C539-48 | 5.4 | 286 |
| 30 | Fluorescent detection of (-)-epicatechin in microsamples from cacao seeds and cocoa products: Comparison with Folin-Ciocalteu method. <i>Journal of Food Composition and Analysis</i> , 2010 , 23, 790-793 | 4.1 | 19 |
| 29 | Two dissimilar AT(1) agonists distinctively activate AT(1) receptors located on the luminal membrane of coronary endothelium. <i>Vascular Pharmacology</i> , 2009 , 51, 314-22 | 5.9 | 9 |
| 28 | Airborne particulate matter PM2.5 from Mexico City affects the generation of reactive oxygen species by blood neutrophils from asthmatics: an in vitro approach. <i>Journal of Occupational Medicine and Toxicology</i> , 2009 , 4, 17 | 2.7 | 33 |
| 27 | The VYtorin on Carotid intima-media thickness and overall arterial rigidity (VYCTOR) study. <i>Journal of Clinical Pharmacology</i> , 2009 , 49, 838-47 | 2.9 | 61 |

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|----|---|-----|----|
| 26 | Metformin, arterial function, intima-media thickness and nitroxidation in metabolic syndrome: the mefisto study. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2008 , 35, 895-903 | 3 | 57 |
| 25 | Intraluminal-restricted 17 beta-estradiol exerts the same myocardial protection against ischemia/reperfusion injury in vivo as free 17 beta-estradiol. <i>Steroids</i> , 2008 , 73, 528-38 | 2.8 | 11 |
| 24 | Short- and long-term effects of (-)-epicatechin on myocardial ischemia-reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H761-7 | 5.2 | 76 |
| 23 | Mannose polymer induces vasodilation through a luminal mannose receptor in rat mesenteric arteries. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 5294-303 | 2.8 | 3 |
| 22 | Is digitalis compound-induced cardiotoxicity, mediated through guinea-pig cardiomyocytes apoptosis?. <i>European Journal of Pharmacology</i> , 2007 , 566, 34-42 | 5.3 | 18 |
| 21 | Differential expression of alpha1-adrenergic receptor subtypes in coronary microvascular endothelial cells in culture. <i>European Journal of Pharmacology</i> , 2006 , 546, 127-33 | 5.3 | 8 |
| 20 | Effects of estradiol on phenylephrine contractility associated with intracellular calcium release in rat aorta. <i>American Journal of Physiology - Cell Physiology</i> , 2006 , 291, C1388-94 | 5.4 | 20 |
| 19 | Antisecretory activity of plants used to treat gastrointestinal disorders in Mexico. <i>Journal of Ethnopharmacology</i> , 2006 , 103, 66-70 | 5 | 31 |
| 18 | Caveolin scaffolding peptide-1 interferes with norepinephrine-induced PLC-beta activation in cultured rat vascular smooth muscle cells. <i>Journal of Cardiovascular Pharmacology</i> , 2005 , 46, 615-21 | 3.1 | 6 |
| 17 | Reactive oxygen species (ROS) induce chemical and structural changes on human insulin in vitro, including alterations in its immunoreactivity. <i>Frontiers in Bioscience - Landmark</i> , 2005 , 10, 838-43 | 2.8 | 20 |
| 16 | Oxidation by reactive oxygen species (ROS) alters the structure of human insulin and decreases the insulin-dependent D-glucose-C14 utilization by human adipose tissue. <i>Frontiers in Bioscience - Landmark</i> , 2005 , 10, 3127-31 | 2.8 | 20 |
| 15 | Acute effects of testosterone on intracellular Ca ²⁺ kinetics in rat coronary endothelial cells are exerted via aromatization to estrogens. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 287, H63-71 | 5.2 | 22 |
| 14 | Intracoronary angiotensin II causes inotropic and vascular effects via different paracrine mechanisms. <i>Vascular Pharmacology</i> , 2004 , 41, 147-58 | 5.9 | 7 |
| 13 | Intracellular Ca ²⁺ stimulates the binding to androgen receptors in platelets. <i>Steroids</i> , 2004 , 69, 767-72 | 2.8 | 13 |
| 12 | Sole activation of three luminal adenosine receptor subtypes in different parts of coronary vasculature. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 284, H204-14 | 5.2 | 12 |
| 11 | Relationship between extra and intracellular sources of calcium and the contractile effect of thiopental in rat aorta. <i>Canadian Journal of Physiology and Pharmacology</i> , 2001 , 79, 407-414 | 2.4 | 14 |
| 10 | Effects of arginine vasopressin in the heart are mediated by specific intravascular endothelial receptors. <i>European Journal of Pharmacology</i> , 2000 , 410, 15-23 | 5.3 | 35 |
| 9 | Role of the endothelial glycocalyx in dromotropic, inotropic, and arrhythmogenic effects of coronary flow. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 278, H106-16 | 5.2 | 19 |

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| 8 | Intravascular adenosine: the endothelial mediators of its negative dromotropic effects. <i>European Journal of Pharmacology</i> , 1999 , 370, 27-37 | 5.3 | 12 |
| 7 | Acute and nongenomic effects of testosterone on isolated and perfused rat heart. <i>Journal of Cardiovascular Pharmacology</i> , 1999 , 33, 691-7 | 3.1 | 59 |
| 6 | Endothelium-mediated negative dromotropic effects of intravascular acetylcholine. <i>European Journal of Pharmacology</i> , 1998 , 362, 157-66 | 5.3 | 9 |
| 5 | Antifertility effects of (+)-S-2-amino-6-iodoacetamidohexanoic acid (2-AIHA) in female rats. <i>Contraception</i> , 1996 , 53, 247-51 | 2.5 | 6 |
| 4 | Coculture of astroglial and vascular endothelial cells as apposing layers enhances the transcellular transport of hypoxanthine. <i>Journal of Neurochemistry</i> , 1995 , 64, 991-9 | 6 | 14 |
| 3 | Differential distribution of purine metabolizing enzymes between glia and neurons. <i>Journal of Neurochemistry</i> , 1994 , 62, 1144-53 | 6 | 32 |
| 2 | Possible role of nitric oxide in catecholamine secretion by chromaffin cells in the presence and absence of cultured endothelial cells. <i>Journal of Neurochemistry</i> , 1994 , 63, 988-96 | 6 | 48 |
| 1 | Markers of oxidative stress in postmenopausal women with metabolic syndrome. <i>Journal of Obstetrics and Gynaecology</i> , 1-6 | 1.3 | 0 |