Guillermo Ceballos

List of Publications by Year
in descending order

101	3,262	126858	168321
papers	citations	33 h-index	53 g-index

103	103	103	4224
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tetracyclines: a pleitropic family of compounds with promising therapeutic properties. Review of the literature. American Journal of Physiology - Cell Physiology, 2010, 299, C539-C548.	2.1	346
2	(â€“)â€Epicatechin enhances fatigue resistance and oxidative capacity in mouse muscle. Journal of Physiology, 2011, 589, 4615-4631.	1.3	162
3	(â˜)-Epicatechin Activation of Endothelial Cell Endothelial Nitric Oxide Synthase, Nitric Oxide, and Related Signaling Pathways. Hypertension, 2010, 55, 1398-1405.	1.3	145
4	Tetracycline compounds with non-antimicrobial organ protective properties: Possible mechanisms of action. Pharmacological Research, 2011, 63, 102-107.	3.1	144
5	Alterations in Skeletal Muscle Indicators of Mitochondrial Structure and Biogenesis in Patients with Type 2 Diabetes and Heart Failure: Effects of Epicatechin Rich Cocoa. Clinical and Translational Science, 2012, 5, 43-47.	1.5	107
6	Short- and long-term effects of (â˜)-epicatechin on myocardial ischemia-reperfusion injury. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H761-H767.	1.5	84
7	(â˜)-Epicatechin rich cocoa mediated modulation of oxidative stress regulators in skeletal muscle of heart failure and type 2 diabetes patients. International Journal of Cardiology, 2013, 168, 3982-3990.	0.8	83
8	METFORMIN, ARTERIAL FUNCTION, INTIMAâ€“MEDIA THICKNESS AND NITROXIDATION IN METABOLIC SYNDROME: THE MEFISTO STUDY. Clinical and Experimental Pharmacology and Physiology, 2008, 35, 895-903.	0.9	76
9	Effects of (â˜)-epicatechin on molecular modulators of skeletal muscle growth and differentiation. Journal of Nutritional Biochemistry, 2014, 25, 91-94.	1.9	76
10	Recovery of Indicators of Mitochondrial Biogenesis, Oxidative Stress, and Aging With (â˜)-Epicatechin in Senile Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 1370-1378.	1.7	76
11	Acute and Nongenomic Effects of Testosterone on Isolated and Perfused Rat Heart. Journal of Cardiovascular Pharmacology, 1999, 33, 691-697.	0.8	72
12	Effects of (â˜)-epicatechin on a diet-induced rat model of cardiometabolic risk factors. European Journal of Pharmacology, 2014, 728, 24-30.	1.7	70
13	The Vytorin on Carotid Intimaâ€Media Thickness and Overall Arterial Rigidity (VYCTOR) Study. Journal of Clinical Pharmacology, 2009, 49, 838-847.	1.0	68
14	Effects of (â˜)-Epicatechin on Myocardial Infarct Size and Left Ventricular Remodeling After Permanent Coronary Occlusion. Journal of the American College of Cardiology, 2010, 55, 2869-2876.	1.2	59
15	Role for high-glucose-induced proteinO-GlcNAcylation in stimulating cardiac fibroblast collagen synthesis. American Journal of Physiology - Cell Physiology, 2014, 306, C794-C804.	2.1	59
16	Beneficial effects of dark chocolate on exercise capacity in sedentary subjects: underlying mechanisms. A double blind, randomized, placebo controlled trial. Food and Function, 2016, 7, 3686-3693.	2.1	56
17	The effects of (â˜)-epicatechin on endothelial cells involve the G protein-coupled estrogen receptor (GPER). Pharmacological Research, 2015, 100, 309-320.	3.1	54
18	Possible Role of Nitric Oxide in Catecholamine Secretion by Chromaffin Cells in the Presence and Absence of Cultured Endothelial Cells. Journal of Neurochemistry, 2002, 63, 988-996.	2.1	51

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19	(-)-Epicatechin-induced recovery of mitochondria from simulated diabetes: Potential role of endothelial nitric oxide synthase. Diabetes and Vascular Disease Research, 2016, 13, 201-210.	0.9	50
20	Effects of (â˜)-epicatechin and derivatives on nitric oxide mediated induction of mitochondrial proteins. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4441-4446.	1.0	46
21	Antisecretory activity of plants used to treat gastrointestinal disorders in Mexico. Journal of Ethnopharmacology, 2006, 103, 66-70.	2.0	45
22	A randomized, placebo-controlled, double-blind study on the effects of (â˜)-epicatechin on the triglyceride/HDLc ratio and cardiometabolic profile of subjects with hypertriglyceridemia: Unique in vitro effects. International Journal of Cardiology, 2016, 223, 500-506.	0.8	45
23	Differential Distribution of Purine Metabolizing Enzymes Between Glia and Neurons. Journal of Neurochemistry, 1994, 62, 1144-1153.	2.1	44
24	(â˜)-Epicatechin induces calcium and translocation independent eNOS activation in arterial endothelial cells. American Journal of Physiology - Cell Physiology, 2011, 300, C880-C887.	2.1	44
25	Perturbations in skeletal muscle sarcomere structure in patients with heart failure and TypeÂ2 diabetes: restorative effects of (â˜)-epicatechinrich cocoa. Clinical Science, 2013, 125, 383-389.	1.8	44
26	Acute effects of an oral supplement of (â˜)-epicatechin on postprandial fat and carbohydrate metabolism in normal and overweight subjects. Food and Function, 2014, 5, 521.	2.1	43
27	Obesity, Metabolic Syndrome, and Dietary Therapeutical Approaches with a Special Focus on Nutraceuticals (Polyphenols): A Mini-Review. International Journal for Vitamin and Nutrition Research, 2014, 84, 0113-0123.	0.6	43
28	Effects of arginine vasopressin in the heart are mediated by specific intravascular endothelial receptors. European Journal of Pharmacology, 2000, 410, 15-23.	1.7	41
29	(â€“)â€Epicatechin improves mitochondrialâ€related protein levels and ameliorates oxidative stress in dystrophic Îâ€sarcoglycan null mouse striated muscle. FEBS Journal, 2014, 281, 5567-5580.	2.2	41
30	Intravenous (â˜)-epicatechin reduces myocardial ischemic injury by protecting mitochondrial function. International Journal of Cardiology, 2014, 175, 297-306.	0.8	41
31	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. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 1620-1627.	1.7	41
32	Airborne particulate matter PM2.5 from Mexico City affects the generation of reactive oxygen species by blood neutrophils from asthmatics: an in vitro approach. Journal of Occupational Medicine and Toxicology, 2009, 4, 17.	0.9	39
33	Cell membrane mediated (â˜)-epicatechin effects on upstream endothelial cell signaling: Evidence for a surface receptor. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 2749-2752.	1.0	37
34	Browning effects of (-)-epicatechin on adipocytes and white adipose tissue. European Journal of Pharmacology, 2017, 811, 48-59.	1.7	36
35	Pharmacokinetic, partial pharmacodynamic and initial safety analysis of (â˜)-epicatechin in healthy volunteers. Food and Function, 2015, 6, 824-833.	2.1	31
36	(â˜)-Epicatechin induced reversal of endothelial cell aging and improved vascular function: underlying mechanisms. Food and Function, 2018, 9, 4802-4813.	2.1	31

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37	Sex related differences in the pathogenesis of organ fibrosis. Translational Research, 2020, 222, 41-55.	2.2	31
38	(â˜')â€Epicatechin induces mitochondrial biogenesis and markers of muscle regeneration in adults with Becker muscular dystrophy. Muscle and Nerve, 2021, 63, 239-249.	1.0	30
39	Acute effects of testosterone on intracellular Ca2+kinetics in rat coronary endothelial cells are exerted via aromatization to estrogens. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H63-H71.	1.5	29
40	(-)-Epicatechin-induced calcium independent eNOS activation: roles of HSP90 and AKT. Molecular and Cellular Biochemistry, 2012, 370, 141-150.	1.4	28
41	Fluorescent detection of (â˜')-epicatechin in microsamples from cacao seeds and cocoa products: Comparison with Folinâ€"Ciocalteu method. Journal of Food Composition and Analysis, 2010, 23, 790-793.	1.9	24
42	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. Frontiers in Bioscience - Landmark, 2005, 10, 3127.	3.0	23
43	Role of the endothelial glycocalyx in dromotropic, inotropic, and arrythmogenic effects of coronary flow. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 278, H106-H116.	1.5	22
44	Reactive oxygen species (ROS) induce chemical and structural changes on human insulin in vitro, including alterations in its immunoreactivity. Frontiers in Bioscience - Landmark, 2005, 10, 838.	3.0	21
45	Effects of estradiol on phenylephrine contractility associated with intracellular calcium release in rat aorta. American Journal of Physiology - Cell Physiology, 2006, 291, C1388-C1394.	2.1	21
46	The cardioprotective effects of (-)-Epicatechin are mediated through arginase activity inhibition in a murine model of ischemia/reperfusion. European Journal of Pharmacology, 2018, 818, 335-342.	1.7	21
47	Is digitalis compound-induced cardiotoxicity, mediated through guinea-pig cardiomyocytes apoptosis?. European Journal of Pharmacology, 2007, 566, 34-42.	1.7	20
48	Testosterone metabolites mediate its effects on myocardial damage induced by ischemia/reperfusion in male Wistar rats. Steroids, 2013, 78, 362-369.	0.8	20
49	Co-administration of the flavanol (-)-epicatechin with doxycycline synergistically reduces infarct size in a model of ischemia reperfusion injury by inhibition of mitochondrial swelling. European Journal of Pharmacology, 2014, 744, 76-82.	1.7	20
50	Absence of human papillomavirus sequences in epithelial breast cancer in a Mexican female population. Medical Oncology, 2012, 29, 1515-1517.	1.2	17
51	Arginase inhibition by (â˜')-Epicatechin reverses endothelial cell aging. European Journal of Pharmacology, 2020, 885, 173442.	1.7	17
52	Relationship between extra and intracellular sources of calcium and the contractile effect of thiopental in rat aorta. Canadian Journal of Physiology and Pharmacology, 2001, 79, 407-414.	0.7	16
53	Intracellular Ca2+ stimulates the binding to androgen receptors in platelets. Steroids, 2004, 69, 767-772.	0.8	16
54	Effects of (â˜')-epicatechin on neuroinflammation and hyperphosphorylation of tau in the hippocampus of aged mice. Food and Function, 2020, 11, 10351-10361.	2.1	16

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55	A pilot study on clinical pharmacokinetics and preclinical pharmacodynamics of (+)-epicatechin on cardiometabolic endpoints. Food and Function, 2018, 9, 307-319.	2.1	15
56	Unmasking of oestrogenâ€dependent changes in left ventricular structure and function in aged female rats: a potential model for preâ€heart failure with preserved ejection fraction. Journal of Physiology, 2019, 597, 1805-1817.	1.3	15
57	Flavonoids from dark chocolate and (â^')-epicatechin ameliorate high-fat diet-induced decreases in mobility and muscle damage in aging mice. Food Bioscience, 2020, 37, 100710.	2.0	15
58	Antihyperglycemic and Lipid Profile Effects of Salvia amarissima Ortega on Streptozocin-Induced Type 2 Diabetic Mice. Molecules, 2021, 26, 947.	1.7	15
59	Coculture of Astroglial and Vascular Endothelial Cells as Apposing Layers Enhances the Transcellular Transport of Hypoxanthine. Journal of Neurochemistry, 2002, 64, 991-999.	2.1	14
60	Sole activation of three luminal adenosine receptor subtypes in different parts of coronary vasculature. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H204-H214.	1.5	14
61	Intravascular adenosine: the endothelial mediators of its negative dromotropic effects. European Journal of Pharmacology, 1999, 370, 27-37.	1.7	12
62	Intraluminal-restricted 17Î²-estradiol exerts the same myocardial protection against ischemia/reperfusion injury in vivo as free 17Î²-estradiol. Steroids, 2008, 73, 528-538.	0.8	12
63	Effects of (â^')-epicatechin on the time course of the expression of perilipins in a diet-induced model of nonalcoholic steatohepatitis. Journal of Nutritional Biochemistry, 2020, 77, 108296.	1.9	12
64	The role of inflammation in driving left ventricular remodeling in a pre-HFpEF model. Experimental Biology and Medicine, 2020, 245, 748-757.	1.1	12
65	Differential expression of Î±1-adrenergic receptor subtypes in coronary microvascular endothelial cells in culture. European Journal of Pharmacology, 2006, 546, 127-133.	1.7	11
66	Synthesis of novel (â^')-epicatechin derivatives as potential endothelial GPER agonists: Evaluation of biological effects. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 658-663.	1.0	11
67	PXR is a target of (-)-epicatechin in skeletal muscle. Heliyon, 2020, 6, e05357.	1.4	11
68	Does Metformin Increase Paraoxonase Activity in Patients with the Metabolic Syndrome? Additional Data from the MEFISTO Study. Clinical and Translational Science, 2012, 5, 265-268.	1.5	10
69	Structural and energetic basis for novel epicatechin derivatives acting as GPER agonists through the MMGBSA method. Journal of Steroid Biochemistry and Molecular Biology, 2019, 189, 176-186.	1.2	10
70	Endothelium-mediated negative dromotropic effects of intravascular acetylcholine. European Journal of Pharmacology, 1998, 362, 157-166.	1.7	9
71	Two dissimilar AT1 agonists distinctively activate AT1 receptors located on the luminal membrane of coronary endothelium. Vascular Pharmacology, 2009, 51, 314-322.	1.0	9
72	Anthropometric traits, blood pressure, and dietary and physical exercise habits in health sciences students; the obesity observatory project. Nutricion Hospitalaria, 2013, 28, 194-201.	0.2	9

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73	11-Î²-hydroxysterols as possible endogenous stimulators of mitochondrial biogenesis as inferred from epicatechin molecular mimicry. Pharmacological Research, 2020, 151, 104540.	3.1	8
74	Is Local Nitric Oxide Availability Responsible for Myocardial Salvage after Remote Preconditioning?. Arquivos Brasileiros De Cardiologia, 2016, 107, 154-62.	0.3	8
75	Intracoronary Angiotensin II causes inotropic and vascular effects via different paracrine mechanisms. Vascular Pharmacology, 2004, 41, 147-158.	1.0	7
76	Caveolin Scaffolding Peptide-1 Interferes With Norepinephrine-Induced PLC-Î² Activation in Cultured Rat Vascular Smooth Muscle Cells. Journal of Cardiovascular Pharmacology, 2005, 46, 615-621.	0.8	7
77	OBESITY PHENOTYPES IN URBAN MIDDLE-CLASS COHORTS; THE PRIT-LINDAVISTA MERGING EVIDENCE IN MEXICO: THE OPUS PRIME STUDY. Nutricion Hospitalaria, 2015, 32, 182-8.	0.2	7
78	Beneficial Effects of Flavonoids on Skeletal Muscle Health: A Systematic Review and Meta-Analysis. Journal of Medicinal Food, 2022, 25, 465-486.	0.8	7
79	Antifertility effects of (+)-S-2-amino-6-iodoacetamidohexanoic acid (2-AIHA) in female rats. Contraception, 1996, 53, 247-251.	0.8	6
80	Development of muscle atrophy and loss of function in a Gulf-War illness model: underlying mechanisms. Scientific Reports, 2020, 10, 14526.	1.6	6
81	(â^')-Epicatechin reduces muscle waste after complete spinal cord transection in a murine model: role of ubiquitinâ€“proteasome system. Molecular Biology Reports, 2020, 47, 8975-8985.	1.0	6
82	Stimulatory effects of (â^')-epicatechin and its enantiomer (+)-epicatechin on mouse frontal cortex neurogenesis markers and short-term memory: proof of concept. Food and Function, 2021, 12, 3504-3515.	2.1	6
83	Anticancer potential of (â^')-epicatechin in a triple-negative mammary gland model. Journal of Pharmacy and Pharmacology, 2021, 73, 1675-1682.	1.2	6
84	Restorative potential of (â^')-epicatechin in a rat model of Gulf War illness muscle atrophy and fatigue. Scientific Reports, 2021, 11, 21861.	1.6	6
85	Effect of (-)-epicatechin on the modulation of progression markers of chronic renal damage in a 5/6 nephrectomy experimental model. Heliyon, 2019, 5, e01512.	1.4	5
86	Effects of Cacao By-Products and a Modest Weight Loss Intervention on the Concentration of Serum Triglycerides in Overweight Subjects: Proof of Concept. Journal of Medicinal Food, 2020, 23, 745-749.	0.8	5
87	Is it possible to treat nonalcoholic liver disease using a flavanol-based nutraceutical approach? Basic and clinical data. Journal of Basic and Clinical Physiology and Pharmacology, 2022, 33, 703-714.	0.7	5
88	Effects of chronic inhibition of Testosterone metabolism on cardiac remodeling after ischemia/reperfusion-induced myocardial damage in gonadectomized rats. Biology Open, 2019, 8, .	0.6	4
89	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. Aesthetic Plastic Surgery, 2020, 44, 820-829.	0.5	4
90	Effects of (â^')-epicatechin on frontal cortex DAPC and dysbindin of the mdx mice. Neuroscience Letters, 2017, 658, 142-149.	1.0	3

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91	Restricted Water Intake and Hydration with Fructose-Containing Beverages during Infancy Predispose to Aggravate an Acute Renal Ischemic Insult in Adolescent Rats. BioMed Research International, 2020, 2020, 1-10.	0.9	3
92	Mannose polymer induces vasodilation through a luminal mannose receptor in rat mesenteric arteries. Frontiers in Bioscience - Landmark, 2008, Volume, 5294.	3.0	3
93	Markers of oxidative stress in postmenopausal women with metabolic syndrome. Journal of Obstetrics and Gynaecology, 2022, 42, 2387-2392.	0.4	3
94	The beneficial vascular effects of cacao flavanols: having your cake and eating it too. Journal of Applied Physiology, 2011, 111, 1544-1545.	1.2	2
95	Antifibrotic Effects of (â˜)-Epicatechin on High Glucose Stimulated Cardiac Fibroblasts. Journal of Medicinal Food, 2021, 24, 1177-1185.	0.8	2
96	Association of physical performance tests with frailty indicators and oxidative stress markers in a sample of a community-dwelling elderly population. Biomedical Research (Aligarh, India), 2018, 29, .	0.1	2
97	Catechins modulate the activity of mu opioid receptor (Î¼OR): An in silico approach. Informatics in Medicine Unlocked, 2020, 20, 100431.	1.9	1
98	Erratum to â€œDoes Metformin Increase Paraoxonase Activity in Patients with the Metabolic Syndrome? Additional Data from the MEFISTO Studyâ€• Clinical and Translational Science, 2015, 8, 873-873.	1.5	1
99	C05 Differential distribution of purine metabolizing enzymes between glia and neurons. Nutrition Clinique Et Metabolisme, 1992, 6, 242.	0.2	0
100	Mexican Epidemiological Paradox: A Developing Country With a Burden of â€œRichnessâ€•Diseases. An update. , 2019, , 357-369.		0
101	(â€)â€Epicatechin: cardiometabolic clinical effects supported by preclinical model (829.2). FASEB Journal, 2014, 28, 829.2.	0.2	0