

Cesar G Fraga

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

10,674
citations

28274

55
h-index

36028

97
g-index

121
all docs

121
docs citations

121
times ranked

11801
citing authors

#	ARTICLE	IF	CITATIONS
1	Relevance, essentiality and toxicity of trace elements in human health. <i>Molecular Aspects of Medicine</i> , 2005, 26, 235-244.	6.4	720
2	The effects of polyphenols and other bioactives on human health. <i>Food and Function</i> , 2019, 10, 514-528.	4.6	664
3	Lipid peroxidation measured as thiobarbituric acid-reactive substances in tissue slices: characterization and comparison with homogenates and microsomes. <i>Free Radical Biology and Medicine</i> , 1988, 4, 155-161.	2.9	618
4	Basic biochemical mechanisms behind the health benefits of polyphenols. <i>Molecular Aspects of Medicine</i> , 2010, 31, 435-445.	6.4	549
5	Procyanidin dimer B2 [epicatechin-(4 β -8)-epicatechin] in human plasma after the consumption of a flavanol-rich cocoa. <i>American Journal of Clinical Nutrition</i> , 2002, 76, 798-804.	4.7	492
6	Flavonoid-membrane Interactions: A Protective Role of Flavonoids at the Membrane Surface?. <i>Clinical and Developmental Immunology</i> , 2005, 12, 19-25.	3.3	298
7	Epicatechin in Human Plasma: In Vivo Determination and Effect of Chocolate Consumption on Plasma Oxidation Status. <i>Journal of Nutrition</i> , 2000, 130, 2109S-2114S.	2.9	293
8	Inhibition of Angiotensin Converting Enzyme Activity by Flavanol-Rich Foods. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 229-234.	5.2	264
9	A Dose-Response Effect from Chocolate Consumption on Plasma Epicatechin and Oxidative Damage. <i>Journal of Nutrition</i> , 2000, 130, 2115S-2119S.	2.9	246
10	Iron toxicity and antioxidant nutrients. <i>Toxicology</i> , 2002, 180, 23-32.	4.2	221
11	Flavonoids as antioxidants evaluated by in vitro and in situ liver chemiluminescence. <i>Biochemical Pharmacology</i> , 1987, 36, 717-720.	4.4	216
12	Dietary flavonoids: Role of (â ⁺)-epicatechin and related procyanidins in cell signaling. <i>Free Radical Biology and Medicine</i> , 2011, 51, 813-823.	2.9	212
13	Increased chemiluminescence and superoxide production in the liver of chronically ethanol-treated rats. <i>Archives of Biochemistry and Biophysics</i> , 1983, 227, 534-541.	3.0	204
14	Inhibition of angiotensin converting enzyme (ACE) activity by flavan-3-ols and procyanidins. <i>FEBS Letters</i> , 2003, 555, 597-600.	2.8	203
15	Antioxidant actions of flavonoids: Thermodynamic and kinetic analysis. <i>Archives of Biochemistry and Biophysics</i> , 2010, 501, 23-30.	3.0	190
16	Influence of Oligomer Chain Length on the Antioxidant Activity of Procyanidins. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 945-951.	2.1	188
17	Cocoa antioxidants and cardiovascular health. <i>American Journal of Clinical Nutrition</i> , 2005, 81, 298S-303S.	4.7	186
18	Research trends in flavonoids and health. <i>Archives of Biochemistry and Biophysics</i> , 2018, 646, 107-112.	3.0	184

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19	Flavan-3-ols and procyanidins protect liposomes against lipid oxidation and disruption of the bilayer structure. <i>Free Radical Biology and Medicine</i> , 2003, 34, 84-92.	2.9	172
20	Plant polyphenols: How to translate their in vitro antioxidant actions to in vivo conditions. <i>IUBMB Life</i> , 2007, 59, 308-315.	3.4	170
21	Enalapril and losartan attenuate mitochondrial dysfunction in aged rats. <i>FASEB Journal</i> , 2003, 17, 1096-1098.	0.5	167
22	Epicatechin, catechin, and dimeric procyanidins inhibit PMA α -induced NF κ B activation at multiple steps in Jurkat T cells. <i>FASEB Journal</i> , 2004, 18, 167-169.	0.5	164
23	(+)-Catechin Prevents Human Plasma Oxidation. <i>Free Radical Biology and Medicine</i> , 1998, 24, 435-441.	2.9	156
24	Regular Consumption of a Flavanol-rich Chocolate can Improve Oxidant Stress in Young Soccer Players. <i>Clinical and Developmental Immunology</i> , 2005, 12, 11-17.	3.3	154
25	Curcumin induces cell arrest and apoptosis in association with the inhibition of constitutively active NF κ B and STAT3 pathways in Hodgkin's lymphoma cells. <i>International Journal of Cancer</i> , 2008, 123, 56-65.	5.1	137
26	In vitro measurements and interpretation of total antioxidant capacity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 931-934.	2.4	124
27	Enalapril and captopril enhance glutathione-dependent antioxidant defenses in mouse tissues. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 278, R572-R577.	1.8	117
28	(α)-Epicatechin mitigates high-fructose-associated insulin resistance by modulating redox signaling and endoplasmic reticulum stress. <i>Free Radical Biology and Medicine</i> , 2014, 72, 247-256.	2.9	110
29	Flavonoids and metabolic syndrome. <i>Annals of the New York Academy of Sciences</i> , 2012, 1259, 87-94.	3.8	108
30	Effects of aluminum on brain lipid peroxidation. <i>Toxicology Letters</i> , 1990, 51, 213-219.	0.8	106
31	Halogenated compounds as inducers of lipid peroxidation in tissue slices. <i>Free Radical Biology and Medicine</i> , 1987, 3, 119-123.	2.9	104
32	Antioxidant and Membrane Effects of Procyanidin Dimers and Trimers Isolated from Peanut and Cocoa. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 5041-5048.	5.2	97
33	(α)-Epicatechin prevents TNF α -induced activation of signaling cascades involved in inflammation and insulin sensitivity in 3T3-L1 adipocytes. <i>Archives of Biochemistry and Biophysics</i> , 2012, 527, 113-118.	3.0	95
34	Anthocyanins protect the gastrointestinal tract from high fat diet-induced alterations in redox signaling, barrier integrity and dysbiosis. <i>Redox Biology</i> , 2019, 26, 101269.	9.0	94
35	Cyanidin and delphinidin modulate inflammation and altered redox signaling improving insulin resistance in high fat-fed mice. <i>Redox Biology</i> , 2018, 18, 16-24.	9.0	93
36	TNF α -induced NF κ B activation and cell oxidant production are modulated by hexameric procyanidins in Caco-2 cells. <i>Archives of Biochemistry and Biophysics</i> , 2008, 476, 186-195.	3.0	91

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37	Cocoa, Chocolate, and Cardiovascular Disease. <i>Journal of Cardiovascular Pharmacology</i> , 2009, 54, 483-490.	1.9	91
38	(-)-Epicatechin improves insulin sensitivity in high fat diet-fed mice. <i>Archives of Biochemistry and Biophysics</i> , 2016, 599, 13-21.	3.0	88
39	Procyanidin structure defines the extent and specificity of angiotensin I converting enzyme inhibition. <i>Biochimie</i> , 2006, 88, 359-365.	2.6	87
40	Evaluation of antioxidants, protein, and lipid oxidation products in blood from sporadic amyotrophic lateral sclerosis patients. <i>Neurochemical Research</i> , 1997, 22, 535-539.	3.3	80
41	Procyanidins protect Caco-2 cells from bile acid- and oxidant-induced damage. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1247-1256.	2.9	80
42	Superoxide dismutase and glutathione peroxidase activities are increased by enalapril and captopril in mouse liver. <i>FEBS Letters</i> , 1995, 361, 22-24.	2.8	78
43	(-)-Epicatechin reduces blood pressure and improves vasorelaxation in spontaneously hypertensive rats by NO-mediated mechanism. <i>IUBMB Life</i> , 2013, 65, 710-715.	3.4	76
44	Cocoa flavanols: effects on vascular nitric oxide and blood pressure. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2010, 48, 63-67.	1.4	75
45	Dietary (-)-epicatechin mitigates oxidative stress, NO metabolism alterations, and inflammation in renal cortex from fructose-fed rats. <i>Free Radical Biology and Medicine</i> , 2016, 90, 35-46.	2.9	74
46	Dose-Dependent Increase of Oxidative Damage in the Testes of Rats Subjected to Acute Iron Overload. <i>Archives of Biochemistry and Biophysics</i> , 1999, 372, 37-43.	3.0	70
47	LPS-induced renal inflammation is prevented by (-)-epicatechin in rats. <i>Redox Biology</i> , 2017, 11, 342-349.	9.0	66
48	Dimeric procyanidins are inhibitors of NF- κ B DNA binding. <i>Biochemical Pharmacology</i> , 2009, 78, 1252-1262.	4.4	65
49	Relationship between oxidative stress, lipid peroxidation, and ultrastructural damage in patients with coronary artery disease undergoing cardioplegic arrest/reperfusion. <i>Cardiovascular Research</i> , 2007, 73, 710-719.	3.8	64
50	Higher levels of antioxidant defenses in enalapril-treated versus non-enalapril-treated hemodialysis patients. <i>American Journal of Kidney Diseases</i> , 1999, 34, 445-455.	1.9	62
51	Large procyanidins prevent bile-acid-induced oxidant production and membrane-initiated ERK1/2, p38, and Akt activation in Caco-2 cells. <i>Free Radical Biology and Medicine</i> , 2012, 52, 151-159.	2.9	62
52	Plant bioactives and redox signaling: (-)-Epicatechin as a paradigm. <i>Molecular Aspects of Medicine</i> , 2018, 61, 31-40.	6.4	62
53	Anthocyanins inhibit tumor necrosis alpha-induced loss of Caco-2 cell barrier integrity. <i>Food and Function</i> , 2017, 8, 2915-2923.	4.6	60
54	5-Aminolevulinic acid mediates the in vivo and in vitro formation of 8-hydroxy-2'-deoxyguanosine in DNA. <i>Carcinogenesis</i> , 1994, 15, 2241-2244.	2.8	56

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55	Blood pressure-lowering effect of dietary (âˆ“)epicatechin administration in L-NAME-treated rats is associated with restored nitric oxide levels. <i>Free Radical Biology and Medicine</i> , 2012, 53, 1894-1902.	2.9	56
56	Interactions of flavan-3-ols and procyanidins with membranes: mechanisms and the physiological relevance. <i>Food and Function</i> , 2015, 6, 32-40.	4.6	55
57	Oxidative stress in testes of rats subjected to chronic iron intoxication and Î±-tocopherol supplementation. <i>Toxicology</i> , 1999, 132, 179-186.	4.2	51
58	Concerted action of the renin-angiotensin system, mitochondria, and antioxidant defenses in aging. <i>Molecular Aspects of Medicine</i> , 2004, 25, 27-36.	6.4	48
59	Chemiluminescence of the in situ rat liver after acute ethanol intoxication- effect of (+)-cyanidanol-3. <i>Biochemical Pharmacology</i> , 1983, 32, 2822-2825.	4.4	45
60	(âˆ“)-Epicatechin reduces blood pressure increase in high-fructose-fed rats: effects on the determinants of nitric oxide bioavailability. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 745-751.	4.2	44
61	Damage to protein synthesis concurrent with lipid peroxidation in rat liver slices: Effect of halogenated compounds, peroxides, and vitamin E. <i>Archives of Biochemistry and Biophysics</i> , 1989, 270, 84-91.	3.0	43
62	Exploring the benefits and challenges of establishing a DRI-like process for bioactives. <i>European Journal of Nutrition</i> , 2014, 53 Suppl 1, 1-9.	3.9	43
63	Increased liver chemiluminescence in tumor-bearing mice. <i>Journal of Free Radicals in Biology & Medicine</i> , 1985, 1, 131-138.	2.1	42
64	(âˆ“)-Epicatechin in the control of glucose homeostasis: Involvement of redox-regulated mechanisms. <i>Free Radical Biology and Medicine</i> , 2019, 130, 478-488.	2.9	40
65	Membrane effects of Cocoa Procyanidins in Liposomes and Jurkat T Cells. <i>Biological Research</i> , 2004, 37, 293-300.	3.4	34
66	Cocoa, diabetes, and hypertension: should we eat more chocolate?. <i>American Journal of Clinical Nutrition</i> , 2005, 81, 541-542.	4.7	32
67	Ellagic acid protects Caco-2 cell monolayers against inflammation-induced permeabilization. <i>Free Radical Biology and Medicine</i> , 2020, 152, 776-786.	2.9	30
68	Influence of flavan-3-ols and procyanidins on UVC-mediated formation of 8-oxo-7,8-dihydro-2-deoxyguanosine in isolated DNA. <i>Archives of Biochemistry and Biophysics</i> , 2002, 406, 203-208.	3.0	28
69	Comparative Study on the Antioxidant Capacity of Wines and Other Plant-Derived Beverages. <i>Annals of the New York Academy of Sciences</i> , 2002, 957, 279-283.	3.8	28
70	The regular supplementation with an antioxidant mixture decreases oxidative stress in healthy humans. Gender effect. <i>Clinica Chimica Acta</i> , 2004, 349, 97-103.	1.1	28
71	Application of stimulation modeling to lipid peroxidation processes. <i>Free Radical Biology and Medicine</i> , 1989, 7, 361-368.	2.9	27
72	(âˆ“)-Epicatechin prevents alterations in the metabolism of superoxide anion and nitric oxide in the hearts of L-NAME-treated rats. <i>Food and Function</i> , 2015, 6, 154-160.	4.6	25

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73	Dietary (âˆ™)-epicatechin affects NF-Î²B activation and NADPH oxidases in the kidney cortex of high-fructose-fed rats. <i>Food and Function</i> , 2019, 10, 26-32.	4.6	25
74	Modifications in nitric oxide and superoxide anion metabolism induced by fructose overload in rat heart are prevented by (âˆ™)-epicatechin. <i>Food and Function</i> , 2016, 7, 1876-1883.	4.6	24
75	(-)-Epicatechin and related procyanidins modulate intracellular calcium and prevent oxidation in Jurkat T cells. <i>Free Radical Research</i> , 2008, 42, 864-872.	3.3	23
76	A randomized placebo-controlled cross-over study on the effects of anthocyanins on inflammatory and metabolic responses to a high-fat meal in healthy subjects. <i>Redox Biology</i> , 2022, 51, 102273.	9.0	23
77	Effects of quercetin on heart nitric oxide metabolism in L-NAME treated rats. <i>Archives of Biochemistry and Biophysics</i> , 2018, 647, 47-53.	3.0	22
78	Linking biomarkers of oxidative stress and disease with flavonoid consumption: From experimental models to humans. <i>Redox Biology</i> , 2021, 42, 101914.	9.0	21
79	Lability of red blood cell membranes to lipid peroxidation: Application to humans fed polyunsaturated lipids. <i>Lipids</i> , 1990, 25, 111-114.	1.7	20
80	Ascorbate protects (+)-catechin from oxidation both in a pure chemical system and human plasma. <i>Biological Research</i> , 2000, 33, 151-7.	3.4	17
81	Ultrastructural evidence of increased tolerance of hibernating myocardium to cardioplegic ischemia-reperfusion injury. <i>Journal of the American College of Cardiology</i> , 2004, 43, 2329-2336.	2.8	15
82	Supplementation with cyanidin and delphinidin mitigates high fat diet-induced endotoxemia and associated liver inflammation in mice. <i>Food and Function</i> , 2022, 13, 781-794.	4.6	13
83	Polyphenols and Red Wine as Peroxynitrite Scavengers. <i>Annals of the New York Academy of Sciences</i> , 2002, 957, 271-273.	3.8	12
84	(âˆ™)-Epicatechin administration protects kidneys against modifications induced by short-term L-NAME treatment in rats. <i>Food and Function</i> , 2020, 11, 318-327.	4.6	12
85	Tissue damage in acute myocardial infarction: selective protection by vitamin E. <i>Free Radical Biology and Medicine</i> , 1999, 26, 1587-1590.	2.9	11
86	Cardiac mitochondrial function and tissue remodelling are improved by a non-antihypertensive dose of enalapril in spontaneously hypertensive rats. <i>Free Radical Research</i> , 2009, 43, 390-399.	3.3	11
87	Fructose increases corticosterone production in association with NADPH metabolism alterations in rat epididymal white adipose tissue. <i>Journal of Nutritional Biochemistry</i> , 2017, 46, 109-116.	4.2	9
88	(âˆ™)-Epicatechin and cardiometabolic risk factors: a focus on potential mechanisms of action. <i>Pflügers Archiv European Journal of Physiology</i> , 2022, 474, 99-115.	2.8	8
89	Catechins Delay Lipid Oxidation and Î±-Tocopherol and Î²-Carotene Depletion Following Ascorbate Depletion in Human Plasma. <i>Proceedings of the Society for Experimental Biology and Medicine</i> , 2000, 225, 32-38.	1.8	7
90	Content of liver and brain ubiquinol-9 and ubiquinol-10 after chronic ethanol intake in rats subjected to two levels of dietary Î±-tocopherol. <i>Free Radical Research</i> , 2000, 33, 313-319.	3.3	6

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91	Curcumin Mitigates TNF α -Induced Caco-2 Cell Monolayer Permeabilization Through Modulation of NF κ B, ERK1/2, and JNK Pathways. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2101033.	3.3	6
92	Assessing the Antioxidant Capacity in the Hydrophilic and Lipophilic Domains. <i>Annals of the New York Academy of Sciences</i> , 2002, 957, 284-287.	3.8	5
93	More Antioxidants in Cocoa. <i>Journal of Nutrition</i> , 2001, 131, 835.	2.9	2
94	Bioactives and their impact on human health. <i>Molecular Aspects of Medicine</i> , 2018, 61, 1.	6.4	2
95	(-)-Epicatechin protects thoracic aortic perivascular adipose tissue from whitening in high-fat fed mice. <i>Food and Function</i> , 2020, 11, 5944-5954.	4.6	2
96	Polyphenols and health. <i>Food and Function</i> , 2020, 11, 8405-8406.	4.6	0