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List of Publications by Year
in descending order

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47 papers	2,532 citations	257450 24 h-index	233421 45 g-index
48 all docs	48 docs citations	48 times ranked	3755 citing authors

#	Article	IF	Citations
1	Basic biochemical mechanisms behind the health benefits of polyphenols. Molecular Aspects of Medicine, 2010, 31, 435-445.	6.4	549
2	Antioxidant actions of flavonoids: Thermodynamic and kinetic analysis. Archives of Biochemistry and Biophysics, 2010, 501, 23-30.	3.0	190
3	Cytotoxicity and Apoptosis Produced by Arachidonic Acid in Hep G2 Cells Overexpressing Human Cytochrome P4502E1. Journal of Biological Chemistry, 1997, 272, 14532-14541.	3.4	173
4	In vitro measurements and interpretation of total antioxidant capacity. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 931-934.	2.4	124
5	Flavonoids and metabolic syndrome. Annals of the New York Academy of Sciences, 2012, 1259, 87-94.	3.8	108
6	Hypertension, Nitric Oxide, Oxidants, and Dietary Plant Polyphenols. Current Pharmaceutical Biotechnology, 2010, 11, 837-848.	1.6	106
7	Cocoa, Chocolate, and Cardiovascular Disease. Journal of Cardiovascular Pharmacology, 2009, 54, 483-490.	1.9	91
8	(â€“)â€Epicatechin reduces blood pressure and improves vasorelaxation in spontaneously hypertensive rats by NOâ€mediated mechanism. IUBMB Life, 2013, 65, 710-715.	3.4	76
9	Cocoa flavanols: effects on vascular nitric oxide and blood pressure. Journal of Clinical Biochemistry and Nutrition, 2010, 48, 63-67.	1.4	75
10	Dietary (â€“)-epicatechin mitigates oxidative stress, NO metabolism alterations, and inflammation in renal cortex from fructose-fed rats. Free Radical Biology and Medicine, 2016, 90, 35-46.	2.9	74
11	LPS-induced renal inflammation is prevented by (â^')â€epicatechin in rats. Redox Biology, 2017, 11, 342-349.	9.0	66
12	Plant bioactives and redox signaling: (â€“)-Epicatechin as a paradigm. Molecular Aspects of Medicine, 2018, 61, 31-40.	6.4	62
13	ESR characterization of thallium(III)-mediated nitrones oxidation. Inorganica Chimica Acta, 2009, 362, 2305-2310.	2.4	59
14	Blood pressure-lowering effect of dietary (â^')-epicatechin administration in L-NAME-treated rats is associated with restored nitric oxide levels. Free Radical Biology and Medicine, 2012, 53, 1894-1902.	2.9	56
15	Amaranth Peptides from Simulated Gastrointestinal Digestion: Antioxidant Activity Against Reactive Species. Plant Foods for Human Nutrition, 2015, 70, 27-34.	3.2	55
16	Tumor necrosis factor alpha pathways develops liver apoptosis in type 1 diabetes mellitus. Molecular Immunology, 2011, 48, 1397-1407.	2.2	53
17	Nitric oxide and iron: effect of iron overload on nitric oxide production in endotoxemia. Molecular Aspects of Medicine, 2004, 25, 141-154.	6.4	52
18	Hepatic chemiluminescence and lipid peroxidation in mild iron overload. Toxicology, 1992, 76, 27-38.	4.2	50

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19	Ascorbyl radical/ascorbate ratio in plasma from iron overloaded rats as oxidative stress indicator. Toxicology Letters, 2002, 133, 193-201.	0.8	45
20	(â˜')-Epicatechin reduces blood pressure increase in high-fructose-fed rats: effects on the determinants of nitric oxide bioavailability. Journal of Nutritional Biochemistry, 2015, 26, 745-751.	4.2	44
21	Dietary Î±-tocopherol supplementation on antioxidant defenses after in vivo iron overload in rats. Toxicology, 1997, 124, 73-81.	4.2	41
22	Iron-induced changes in nitric oxide and superoxide radical generation in rat liver after lindane or thyroid hormone treatment. Toxicology Letters, 2001, 119, 87-93.	0.8	30
23	Effects of Iron Overload and Lindane Intoxication in Relation to Oxidative Stress, Kupffer Cell Function, and Liver Injury in the Rat. Toxicology and Applied Pharmacology, 2001, 170, 23-28.	2.8	26
24	(â˜')-Epicatechin prevents alterations in the metabolism of superoxide anion and nitric oxide in the hearts of<scp>l</scp>-NAME-treated rats. Food and Function, 2015, 6, 154-160.	4.6	25
25	Dietary (â˜')-epicatechin affects NF-ÎºB activation and NADPH oxidases in the kidney cortex of high-fructose-fed rats. Food and Function, 2019, 10, 26-32.	4.6	25
26	Identification, cloning and characterization of an aldo-keto reductase from Trypanosoma cruzi with quinone oxido-reductase activity. Molecular and Biochemical Parasitology, 2010, 173, 132-141.	1.1	24
27	Modifications in nitric oxide and superoxide anion metabolism induced by fructose overload in rat heart are prevented by (â˜')-epicatechin. Food and Function, 2016, 7, 1876-1883.	4.6	24
28	Time course study of the influence of acute iron overload on kupffer cell functioning and hepatotoxicity assessed in the isolated perfused rat liver. Hepatology, 1998, 27, 1311-1316.	7.3	22
29	Liver preconditioning induced by iron in a rat model of ischemia/reperfusion. Life Sciences, 2011, 89, 221-228.	4.3	22
30	Effects of quercetin on heart nitric oxide metabolism in l-NAME treated rats. Archives of Biochemistry and Biophysics, 2018, 647, 47-53.	3.0	22
31	Linking biomarkers of oxidative stress and disease with flavonoid consumption: From experimental models to humans. Redox Biology, 2021, 42, 101914.	9.0	21
32	Adriamycin effects on hydroperoxide metabolism and growth of human breast tumor cells. Breast Cancer Research and Treatment, 1990, 17, 145-153.	2.5	20
33	Mild iron overload effect on rat liver nuclei. Toxicology, 1994, 93, 125-134.	4.2	15
34	Novel o-naphthoquinones induce apoptosis of EL-4 T lymphoma cells through the increase of reactive oxygen species. Toxicology in Vitro, 2013, 27, 2094-2104.	2.4	14
35	Nitric oxide and iron overload Limitations of ESR detection by DETC. Toxicology, 2001, 167, 199-205.	4.2	12
36	In vivo supplementation with Ginkgo biloba protects membranes against lipid peroxidation. Phytotherapy Research, 2007, 21, 735-740.	5.8	12

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37	(â˜)-Epicatechin administration protects kidneys against modifications induced by short-terml-NAME treatment in rats. Food and Function, 2020, 11, 318-327.	4.6	12
38	Fructose increases corticosterone production in association with NADPH metabolism alterations in rat epididymal white adipose tissue. Journal of Nutritional Biochemistry, 2017, 46, 109-116.	4.2	9
39	Understanding the Clausiusâ€“Clapeyron Equation by Employing an Easily Adaptable Pressure Cooker. Journal of Chemical Education, 2008, 85, 276.	2.3	8
40	(â€‰â˜)-Epicatechin and cardiometabolic risk factors: a focus on potential mechanisms of action. Pflugers Archiv European Journal of Physiology, 2022, 474, 99-115.	2.8	8
41	Resistance of rat kidney mitochondrial membranes to oxidation induced by acute iron overload. Toxicology, 1994, 88, 141-149.	4.2	7
42	Mechanism of action of novel naphthofuranquinones on rat liver microsomal peroxidation. Chemico-Biological Interactions, 2009, 182, 213-219.	4.0	6
43	Fe Allocation in Liver during Early Stages of Endotoxemia in Fe-Overload Rats. Toxicologic Pathology, 2011, 39, 1075-1083.	1.8	6
44	Lipopolysaccharide (LPS) induction of nitric oxide synthase-2 and cyclooxygenase-2 is impaired in fructose overloaded rats. Life Sciences, 2011, 88, 307-313.	4.3	5
45	(â˜)-Epicatechin protects thoracic aortic perivascular adipose tissue from whitening in high-fat fed mice. Food and Function, 2020, 11, 5944-5954.	4.6	2
46	Towards the Elucidation of the Role of the Chloride Anion in Arterial Hypertension: Its Link with Oxidative Damage in the Kidney. , 2021, 89, 96-104.		0
47	Does hepatomegaly alter iron-dependent oxidative effects in human plasma?. Human and Experimental Toxicology, 2003, 22, 401-5.	2.2	0