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List of Publications by Year
in descending order

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55 papers	3,732 citations	257450 24 h-index	155660 55 g-index
55 all docs	55 docs citations	55 times ranked	4423 citing authors

#	Article	IF	Citations
1	Faster and sensitive zymographic detection of oxidases generating hydrogen peroxide. The case of diamine oxidase. Analytical Biochemistry, 2022, , 114676.	2.4	1
2	<scp>Lathyrus sativus</scp> diamine oxidase reduces <scp>Clostridium difficile</scp> toxin Aâ€induced toxicity in Cacoâ€2 cells by rescuing <scp>RhoAâ€GTPase</scp> and inhibiting <scp>pp38â€MAPK</scp>/<scp>NFâ€ºB</scp>/<scp>HIF</scp>â€1Î± activation. Phytotherapy Research, 2021, 35, 415-423.	5.8	4
3	Tau Protein in Lung Smooth Muscle Cells. Journal of Respiration, 2020, 1, 30-39.	1.1	4
4	Vegetal diamine oxidase alleviates histamine-induced contraction of colonic muscles. Scientific Reports, 2020, 10, 21563.	3.3	8
5	Vasa Vasorum Lumen Narrowing in Brain Vascular Hyalinosis in Systemic Hypertension Patients Who Died of Ischemic Stroke. International Journal of Molecular Sciences, 2020, 21, 9611.	4.1	1
6	Protein Redox State Monitoring Studies of Thiol Reactivity. Antioxidants, 2019, 8, 143.	5.1	6
7	Lathyrus sativus diamine oxidase counteracts histamineâ€induced cell proliferation, migration and proâ€angiogenic mediators release in human colon adenocarcinoma cell line Cacoâ€2. Phytotherapy Research, 2019, 33, 1878-1887.	5.8	8
8	Metabolomics Studies to Assess Biological Functions of Vitamin E Nicotinate. Antioxidants, 2019, 8, 127.	5.1	6
9	Stability of Vegetal Diamine Oxidase in Simulated Intestinal Media: Protective Role of Cholic Acids. Journal of Agricultural and Food Chemistry, 2018, 66, 12657-12665.	5.2	8
10	Zymographic Determination of Intrinsic Specific Activity of Oxidases in theÂPresence of Interfering Proteins. Methods in Molecular Biology, 2018, 1853, 207-221.	0.9	1
11	Diamine Oxidase from White Pea (Lathyrus sativus) Combined with Catalase Protects the Human Intestinal Caco-2 Cell Line from Histamine Damage. Applied Biochemistry and Biotechnology, 2017, 182, 1171-1181.	2.9	18
12	Zymographic approach to determine the intrinsic enzyme specific activity of diamine oxidase in presence of interfering enzymes. Analytica Chimica Acta, 2017, 975, 78-85.	5.4	4
13	Adaptive responses of heart and skeletal muscle to spermine oxidase overexpression: Evaluation of a new transgenic mouse model. Free Radical Biology and Medicine, 2017, 103, 216-225.	2.9	31
14	Cell signaling promoting protein carbonylation does not cause sulfhydryl oxidation: Implications to the mechanism of redox signaling. F1000Research, 2017, 6, 455.	1.6	1
15	Carboxymethyl starch/alginate microspheres containing diamine oxidase for intestinal targeting. Biotechnology and Applied Biochemistry, 2016, 63, 344-353.	3.1	34
16	Multifactor Regulation of the MdtJI Polyamine Transporter in Shigella. PLoS ONE, 2015, 10, e0136744.	2.5	25
17	Molecular and Functional Profiling of the Polyamine Content in Enteroinvasive E. coliâ€Š: Looking into the Gap between Commensal E. coli and Harmful Shigella. PLoS ONE, 2014, 9, e106589.	2.5	37
18	Mechanism of protein decarbonylation. Free Radical Biology and Medicine, 2013, 65, 1126-1133.	2.9	53

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19	Reactive Oxygen Species and Antioxidants in Pulmonary Hypertension. Antioxidants and Redox Signaling, 2013, 18, 1789-1796.	5.4	90
20	Proposed role of primary protein carbonylation in cell signaling. Redox Report, 2012, 17, 90-94.	4.5	45
21	A New Piece of the Shigella Pathogenicity Puzzle: Spermidine Accumulationby Silencing of the speG Gene. PLoS ONE, 2011, 6, e27226.	2.5	64
22	Cell Signaling by Protein Carbonylation and Decarbonylation. Antioxidants and Redox Signaling, 2010, 12, 393-404.	5.4	146
23	APOE genotyping: comparison of three methods. Clinical and Experimental Medicine, 2009, 9, 61-65.	3.6	11
24	Increased spermine oxidase (SMO) activity as a novel differentiation marker of myogenic C2C12 cells. International Journal of Biochemistry and Cell Biology, 2009, 41, 934-944.	2.8	29
25	Gene expression profile in monocyte during in vitro mineral fiber degradation. Archives of Toxicology, 2008, 82, 355-362.	4.2	12
26	Inducible expression of maize polyamine oxidase in the nucleus of MCF-7 human breast cancer cells confers sensitivity to etoposide. Amino Acids, 2008, 34, 403-412.	2.7	7
27	Button battery induced cell damage: A pathophysiological study. Electrochemistry Communications, 2008, 10, 1756-1760.	4.7	6
28	Serotonin-mediated protein carbonylation in the right heart. Free Radical Biology and Medicine, 2008, 45, 847-854.	2.9	25
29	Catalase Takes Part in Rat Liver Mitochondria Oxidative Stress Defense. Journal of Biological Chemistry, 2007, 282, 24407-24415.	3.4	180
30	BENEFICIAL EFFECTS OF A PLANT HISTAMINASE IN A RAT MODEL OF SPLANCHNIC ARTERY OCCLUSION AND REPERFUSION. Shock, 2007, 27, 409-415.	2.1	20
31	Chronic sub-lethal oxidative stress by spermine oxidase overactivity induces continuous DNA repair and hypersensitivity to radiation exposure. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 774-783.	4.1	16
32	Direct oxidative DNA damage, apoptosis and radio sensitivity by spermine oxidase activities in mouse neuroblastoma cells. Biochimica Et Biophysica Acta: Reviews on Cancer, 2005, 1755, 15-24.	7.4	23
33	Bcl-2 overexpression in melanoma cells increases tumor progression-associated properties and in vivo tumor growth. Journal of Cellular Physiology, 2005, 205, 414-421.	4.1	69
34	Mouse spermine oxidase gene splice variants. FEBS Journal, 2004, 271, 760-770.	0.2	60
35	l-Deprenyl as an inhibitor of menadione-induced permeability transition in liver mitochondria. Biochemical Pharmacology, 2003, 66, 1749-1754.	4.4	22
36	Tyramine and Monoamine Oxidase Inhibitors as Modulators of the Mitochondrial Membrane Permeability Transition. Journal of Membrane Biology, 2002, 188, 23-31.	2.1	26

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37	Bcl-2 overexpression decreases BCNU sensitivity of a human glioblastoma line through enhancement of catalase activity. Journal of Cellular Biochemistry, 2001, 83, 473-483.	2.6	14
38	Î±-Lipoic Acid in Liver Metabolism and Disease. Free Radical Biology and Medicine, 1998, 24, 1023-1039.	2.9	306
39	Wound Hypoxia and Acidosis Limit Neutrophil Bacterial Killing Mechanisms. Archives of Surgery, 1997, 132, 991.	2.2	427
40	Lipoic acid increases de novo synthesis of cellular glutathione by improving cystine utilization. BioFactors, 1997, 6, 321-338.	5.4	299
41	Evidence for a functional relevance of the selenocysteine residue in mammalian thioredoxin reductase. BioFactors, 1997, 6, 351-358.	5.4	47
42	Peroxyl radical scavenging activity of Ginkgo biloba extract EGb 761. Biochemical Pharmacology, 1995, 49, 1649-1655.	4.4	220
43	[54] Antioxidant activity of nitecapone and its analog OR-1246: Effect of structural modification on antioxidant action. Methods in Enzymology, 1994, 234, 526-541.	1.0	10
44	[46] Antioxidant action of Ginkgo biloba extract EGb 761. Methods in Enzymology, 1994, 234, 462-475.	1.0	306
45	The Nitric Oxide-Scavenging Properties of Ginkgo Biloba Extract EGb 761. Biochemical and Biophysical Research Communications, 1994, 201, 748-755.	2.1	819
46	Enhancement of daunomycin toxicity by the differentiation inducer hexamethylene bisacetamide in erythroleukemia cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 1994, 1224, 89-98.	4.1	4
47	Effects of incubation with liposomes at different temperatures on cultured melanoma cells (M14). International Journal of Hyperthermia, 1994, 10, 101-114.	2.5	10
48	Cigarette Smoke Oxidation of Human Plasma Constituentsa. Annals of the New York Academy of Sciences, 1993, 686, 72-89.	3.8	97
49	Plasma membrane as a site of redox activation of daunomycin in intact human erythrocytes. Biochemical Pharmacology, 1992, 44, 1535-1542.	4.4	6
50	Activation and induction by copper of Cu/Zn superoxide dismutase in Saccharomyces cerevisiae. Presence of an inactive proenzyme in anaerobic yeast. FEBS Journal, 1991, 196, 545-549.	0.2	42
51	Generation of daunomycin radicals on the outer side of the erythrocyte membrane. Biochemical and Biophysical Research Communications, 1990, 168, 240-247.	2.1	10
52	Biochemical and Ultrastructural Changes in the Hyperthermic Treatment of Tumor Cells: An Outline. Advances in Experimental Medicine and Biology, 1990, 267, 99-120.	1.6	3
53	Liposome-mediated increase of the superoxide dismutase content in human erythrocytes: Characterization by electron spin resonance. Pharmacological Research, 1989, 21, 47-55.	7.1	1
54	Room temperature electron spin resonance of superoxide dismutase-loaded liposomes and erythrocytes. A direct approach to the interaction of Oâ˙2 with cells. Biochimica Et Biophysica Acta - Biomembranes, 1989, 979, 99-104.	2.6	6

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55	First Electron Spin Resonance Evidence for the Generation of the Daunomycin Free Radical and Superoxide by Red Blood Cell Membranes. Annals of the New York Academy of Sciences, 1988, 551, 121-127.	3.8	4