Barry Halliwell

List of Publications by Year
in descending order

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499	96,169	381	324
papers	citations	138 h-index	295 g-index

518	518	518	75594
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	[1] Role of free radicals and catalytic metal ions in human disease: An overview. Methods in Enzymology, 1990, 186, 1-85.	0.4	3,941
2	Reactive Oxygen Species and the Central Nervous System. Journal of Neurochemistry, 1992, 59, 1609-1623.	2.1	2,587
3	The presence of glutathione and glutathione reductase in chloroplasts: A proposed role in ascorbic acid metabolism. Planta, 1976, 133, 21-25.	1.6	2,320
4	Oxidative stress and neurodegeneration: where are we now?. Journal of Neurochemistry, 2006, 97, 1634-1658.	2.1	2,199
5	Damage to DNA by reactive oxygen and nitrogen species: role in inflammatory disease and progression to cancer. Biochemical Journal, 1996, 313, 17-29.	1.7	2,020
6	Oxygen free radicals and iron in relation to biology and medicine: Some problems and concepts. Archives of Biochemistry and Biophysics, 1986, 246, 501-514.	1.4	1,955
7	The deoxyribose method: A simple â€œtest-tubeâ€•assay for determination of rate constants for reactions of hydroxyl radicals. Analytical Biochemistry, 1987, 165, 215-219.	1.1	1,954
8	Measuring reactive species and oxidative damagein vivoand in cell culture: how should you do it and what do the results mean?. British Journal of Pharmacology, 2004, 142, 231-255.	2.7	1,839
9	Reactive Species and Antioxidants. Redox Biology Is a Fundamental Theme of Aerobic Life. Plant Physiology, 2006, 141, 312-322.	2.3	1,834
10	The antioxidant action of N-acetylcysteine: Its reaction with hydrogen peroxide, hydroxyl radical, superoxide, and hypochlorous acid. Free Radical Biology and Medicine, 1989, 6, 593-597.	1.3	1,576
11	Formation of nitric oxide-derived inflammatory oxidants by myeloperoxidase in neutrophils. Nature, 1998, 391, 393-397.	13.7	1,452
12	Antioxidants in Human Health and Disease. Annual Review of Nutrition, 1996, 16, 33-50.	4.3	1,439
13	DNA damage by oxygen-derived species Its mechanism and measurement in mammalian systems. FEBS Letters, 1991, 281, 9-19.	1.3	1,350
14	Role of Free Radicals in the Neurodegenerative Diseases. Drugs and Aging, 2001, 18, 685-716.	1.3	1,259
15	The antioxidants of human extracellular fluids. Archives of Biochemistry and Biophysics, 1990, 280, 1-8.	1.4	1,167
16	Biochemistry of oxidative stress. Biochemical Society Transactions, 2007, 35, 1147-1150.	1.6	1,150
17	Oxidative stress and cancer: have we moved forward?. Biochemical Journal, 2007, 401, 1-11.	1.7	1,099
18	Oxidants and human disease: some new concepts ¹. FASEB Journal, 1987, 1, 358-364.	0.2	1,069

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19	The measurement and mechanism of lipid peroxidation in biological systems. Trends in Biochemical Sciences, 1990, 15, 129-135.	3.7	1,052
20	Oxidative stress, dysfunctional glucose metabolism and Alzheimer disease. Nature Reviews Neuroscience, 2019, 20, 148-160.	4.9	1,021
21	Hydrogen peroxide in the human body. FEBS Letters, 2000, 486, 10-13.	1.3	869
22	The importance of free radicals and catalytic metal ions in human diseases. Molecular Aspects of Medicine, 1985, 8, 89-193.	2.7	860
23	Antioxidant defence mechanisms: From the beginning to the end (of the beginning). Free Radical Research, 1999, 31, 261-272.	1.5	795
24	Free Radicals and Antioxidants in the Year 2000: A Historical Look to the Future. Annals of the New York Academy of Sciences, 2000, 899, 136-147.	1.8	781
25	Biologically relevant metal ion-dependent hydroxyl radical generation An update. FEBS Letters, 1992, 307, 108-112.	1.3	780
26	Free Radicals and Antioxidants: A Personal View. Nutrition Reviews, 1994, 52, 253-265.	2.6	764
27	Oxygen radicals and the nervous system. Trends in Neurosciences, 1985, 8, 22-26.	4.2	748
28	Formation of a thiobarbituric-acid-reactive substance from deoxyribose in the presence of iron salts. FEBS Letters, 1981, 128, 347-352.	1.3	746
29	How to Characterize a Biological Antioxidant. Free Radical Research Communications, 1990, 9, 1-32.	1.8	743
30	Formation of Reactive Nitrogen Species during Peroxidase-catalyzed Oxidation of Nitrite. Journal of Biological Chemistry, 1997, 272, 7617-7625.	1.6	735
31	Superoxide-dependent formation of hydroxyl radicals in the presence of iron chelates. FEBS Letters, 1978, 92, 321-326.	1.3	686
32	Unraveling the Biological Roles of Reactive Oxygen Species. Cell Metabolism, 2011, 13, 361-366.	7.2	661
33	Evidence for nitric oxide-mediated oxidative damage in chronic inflammation Nitrotyrosine in serum and synovial fluid from rheumatoid patients. FEBS Letters, 1994, 350, 9-12.	1.3	644
34	Free radicals and antioxidants: updating a personal view. Nutrition Reviews, 2012, 70, 257-265.	2.6	626
35	Are polyphenols antioxidants or pro-oxidants? What do we learn from cell culture and in vivo studies?. Archives of Biochemistry and Biophysics, 2008, 476, 107-112.	1.4	618
36	Health promotion by flavonoids, tocopherols, tocotrienols, and other phenols: direct or indirect effects? Antioxidant or not?. American Journal of Clinical Nutrition, 2005, 81, 268S-276S.	2.2	596

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37	Albuminâ€"An important extracellular antioxidant?. Biochemical Pharmacology, 1988, 37, 569-571.	2.0	585
38	Inhibition of mammalian 5-lipoxygenase and cyclo-oxygenase by flavonoids and phenolic dietary additives. Biochemical Pharmacology, 1991, 42, 1673-1681.	2.0	572
39	The antioxidant paradox. Lancet, The, 2000, 355, 1179-1180.	6.3	559
40	Antioxidants and Human Disease: A General Introduction. Nutrition Reviews, 1997, 55, S44-S49.	2.6	551
41	Free radicals and antioxidants â€" quo vadis?. Trends in Pharmacological Sciences, 2011, 32, 125-130.	4.0	551
42	Free radicals and antioxidants in food andin vivo:What they do and how they work. Critical Reviews in Food Science and Nutrition, 1995, 35, 7-20.	5.4	548
43	The novel neuromodulator hydrogen sulfide: an endogenous peroxynitrite 'scavenger'?. Journal of Neurochemistry, 2004, 90, 765-768.	2.1	545
44	Antioxidant and pro-oxidant actions of the plant phenolics quercetin, gossypol and myricetin. Biochemical Pharmacology, 1989, 38, 2859-2865.	2.0	530
45	Nitric oxide and oxygen radicals: a question of balance. FEBS Letters, 1995, 369, 131-135.	1.3	501
46	Failure of the ubiquitinâ€"proteasome system in Parkinson's disease. Nature Reviews Neuroscience, 2001, 2, 589-594.	4.9	490
47	A Generalised Increase in Protein Carbonyls in the Brain in Parkinson's but Not Incidental Lewy Body Disease. Journal of Neurochemistry, 1997, 69, 1326-1329.	2.1	483
48	Commentary Oxidative Stress, Nutrition and Health. Experimental Strategies for Optimization of Nutritional Antioxidant Intake in Humans. Free Radical Research, 1996, 25, 57-74.	1.5	473
49	An Assessment of Oxidative Damage to Proteins, Lipids, and DNA in Brain from Patients with Alzheimer's Disease. Journal of Neurochemistry, 1997, 68, 2061-2069.	2.1	470
50	Commentary: Vitamin C: Antioxidant or Pro-Oxidant In Vivo?. Free Radical Research, 1996, 25, 439-454.	1.5	459
51	Oxidative stress in cell culture: an under-appreciated problem?. FEBS Letters, 2003, 540, 3-6.	1.3	455
52	The gastrointestinal tract: A major site of antioxidant action?. Free Radical Research, 2000, 33, 819-830.	1.5	438
53	What nitrates tyrosine? Is nitrotyrosine specific as a biomarker of peroxynitrite formation in vivo?. FEBS Letters, 1997, 411, 157-160.	1.3	435
54	Dietary polyphenols: Good, bad, or indifferent for your health?. Cardiovascular Research, 2007, 73, 341-347.	1.8	423

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55	Formation of Nitrating and Chlorinating Species by Reaction of Nitrite with Hypochlorous Acid. Journal of Biological Chemistry, 1996, 271, 19199-19208.	1.6	408
56	The definition and measurement of antioxidants in biological systems. Free Radical Biology and Medicine, 1995, 18, 125-126.	1.3	402
57	The wanderings of a free radical. Free Radical Biology and Medicine, 2009, 46, 531-542.	1.3	398
58	Micronutrients: oxidant/antioxidant status. British Journal of Nutrition, 2001, 85, S67.	1.2	392
59	Antioxidant characterization. Biochemical Pharmacology, 1995, 49, 1341-1348.	2.0	385
60	Oxidative damage, lipid peroxidation and antioxidant protection in chloroplasts. Chemistry and Physics of Lipids, 1987, 44, 327-340.	1.5	368
61	Evaluation of the antioxidant and prooxidant actions of gallic acid and its derivatives. Journal of Agricultural and Food Chemistry, 1993, 41, 1880-1885.	2.4	363
62	Artifacts in Cell Culture: Rapid Generation of Hydrogen Peroxide on Addition of (â˜)-Epigallocatechin, (â˜)-Epigallocatechin Gallate, (+)-Catechin, and Quercetin to Commonly Used Cell Culture Media. Biochemical and Biophysical Research Communications, 2000, 273, 50-53.	1.0	363
63	Guidelines for measuring reactive oxygen species and oxidative damage in cells and in vivo. Nature Metabolism, 2022, 4, 651-662.	5.1	356
64	Interactions of a series of coumarins with reactive oxygen species. Biochemical Pharmacology, 1992, 44, 205-214.	2.0	351
65	Aromatic hydroxylation and nitration of phenylalanine and tyrosine by peroxynitrite. FEBS Letters, 1994, 339, 89-92.	1.3	351
66	Allopurinol and oxypurinol are hydroxyl radical scavengers. FEBS Letters, 1987, 213, 23-28.	1.3	350
67	Protection against tissue damage in vivo by desferrioxamine: What is its mechanism of action?. Free Radical Biology and Medicine, 1989, 7, 645-651.	1.3	348
68	Ergothioneine; antioxidant potential, physiological function and role in disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 784-793.	1.8	330
69	Conjugates of Catecholamines with Cysteine and GSH in Parkinson's Disease: Possible Mechanisms of Formation Involving Reactive Oxygen Species. Journal of Neurochemistry, 1998, 71, 2112-2122.	2.1	326
70	Inhibition of Peroxynitrite-Mediated Tyrosine Nitration by Catechin Polyphenols. Biochemical and Biophysical Research Communications, 1997, 232, 164-168.	1.0	322
71	Oxygen and nitrogen are pro-carcinogens. Damage to DNA by reactive oxygen, chlorine and nitrogen species: measurement, mechanism and the effects of nutrition. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1999, 443, 37-52.	0.9	317
72	Antioxidants: Molecules, medicines, and myths. Biochemical and Biophysical Research Communications, 2010, 393, 561-564.	1.0	310

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73	Drug Antioxidant Effects. Drugs, 1991, 42, 569-605.	4.9	300
74	Lignin synthesis: The generation of hydrogen peroxide and superoxide by horseradish peroxidase and its stimulation by manganese (II) and phenols. Planta, 1978, 140, 81-88.	1.6	299
75	Evaluation of the antioxidant activity of melatonin in vitro. Free Radical Biology and Medicine, 1996, 21, 307-315.	1.3	299
76	The measurement of free radical reactions in humans. FEBS Letters, 1987, 213, 9-14.	1.3	293
77	Supplementation with vitamin C and N-acetyl-cysteine increases oxidative stress in humans after an acute muscle injury induced by eccentric exercise. Free Radical Biology and Medicine, 2001, 31, 745-753.	1.3	283
78	Blood radicals: reactive nitrogen species, reactive oxygen species, transition metal ions, and the vascular system. Pharmaceutical Research, 1996, 13, 649-662.	1.7	277
79	Superoxide-dependent formation of hydroxyl radicals in the presence of iron salts. FEBS Letters, 1978, 96, 238-242.	1.3	274
80	Lipoic and Dihydrolipoic Acids as Antioxidants. a Critical Evaluation. Free Radical Research, 1994, 20, 119-133.	1.5	273
81	Hydroxylation of salicylate as an assay for hydroxyl radicals: A cautionary note. Free Radical Biology and Medicine, 1991, 10, 439-441.	1.3	259
82	Nitric oxide and peroxynitrite. The ugly, the uglier and the not so good. Free Radical Research, 1999, 31, 651-669.	1.5	256
83	Hydrogen Sulfide Is a Mediator of Cerebral Ischemic Damage. Stroke, 2006, 37, 889-893.	1.0	250
84	The antioxidant paradox: less paradoxical now?. British Journal of Clinical Pharmacology, 2013, 75, 637-644.	1.1	250
85	Intense oxidative DNA damage promoted byl-DOPA and its metabolites implications for neurodegenerative disease. FEBS Letters, 1994, 353, 246-250.	1.3	249
86	Oxidants, inflammation, and antiâ€inflammatory drugs. FASEB Journal, 1988, 2, 2867-2873.	0.2	246
87	Lipid peroxidation, antioxidants and cardiovascular disease: how should we move forward?. Cardiovascular Research, 2000, 47, 410-418.	1.8	246
88	Superoxide-dependent formation of hydroxyl radicals: Detection of hydroxyl radicals by the hydroxylation of aromatic compounds. Analytical Biochemistry, 1981, 118, 328-335.	1.1	240
89	Inhibition of lipid peroxidation by the iron-binding protein lactoferrin. Biochemical Journal, 1981, 199, 259-261.	1.7	233
90	Human fecal water content of phenolics: The extent of colonic exposure to aromatic compounds. Free Radical Biology and Medicine, 2005, 38, 763-772.	1.3	231

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91	Damage to the DNA bases in mammalian chromatin by hydrogen peroxide in the presence of ferric and cupric ions. Archives of Biochemistry and Biophysics, 1991, 285, 317-324.	1.4	230
92	Effect of diet on cancer development: is oxidative DNA damage a biomarker?1,2 1This article is part of a series of reviews on â€œOxidative DNA Damage and Repair.â€•The full list of papers may be found on the homepage of the journal. 2Guest Editor: Miral Dizdaroglu. Free Radical Biology and Medicine, 2002, 32, 968-974.	1.3	228
93	Oxidative damage in Parkinson disease: Measurement using accurate biomarkers. Free Radical Biology and Medicine, 2010, 48, 560-566.	1.3	226
94	Iron and free radical reactions: two aspects of antioxidant protection. Trends in Biochemical Sciences, 1986, 11, 372-375.	3.7	225
95	Establishing the Significance and Optimal Intake of Dietary Antioxidants: The Biomarker Concept. Nutrition Reviews, 1999, 57, 104-113.	2.6	221
96	Action of biologically-relevant oxidizing species upon uric acid. Identification of uric acid oxidation products. Chemico-Biological Interactions, 1990, 73, 235-247.	1.7	214
97	The antioxidant action of ergothioneine. Archives of Biochemistry and Biophysics, 1991, 288, 10-16.	1.4	214
98	Commentary the Measurement of Oxidative Damage to DNA by HPLC and GC/MS Techniques. Free Radical Research Communications, 1992, 16, 75-87.	1.8	213
99	Effect of the overexpression of wild-type or mutant Î±-synuclein on cell susceptibility to insult. Journal of Neurochemistry, 2001, 76, 998-1009.	2.1	213
100	How to characterize an antioxidant: an update. Biochemical Society Symposia, 1995, 61, 73-101.	2.7	210
101	Superoxide-dependent formation of hydroxyl radicals and lipid peroxidation in the presence of iron salts. Detection of â€˜catalyticâ€™ iron and anti-oxidant activity in extracellular fluids. Biochemical Journal, 1982, 206, 605-609.	1.7	207
102	Methods for the Measurement of Hydroxyl Radicals in Biochemical Systems: Deoxyribose Degradation and Aromatic Hydroxylation. Methods of Biochemical Analysis, 2006, 33, 59-90.	0.2	207
103	Superoxide-dependent formation of hydroxyl radicals in the presence of thiol compounds. FEBS Letters, 1982, 138, 33-36.	1.3	203
104	Why and how should we measure oxidative DNA damage in nutritional studies? How far have we come?. American Journal of Clinical Nutrition, 2000, 72, 1082-1087.	2.2	200
105	TheIn VitroCytotoxicity of Ascorbate Depends on the Culture Medium Used to Perform the Assay and Involves Hydrogen Peroxide. Antioxidants and Redox Signaling, 2001, 3, 157-163.	2.5	197
106	Evaluation of the Antioxidant Actions of Ferulic Acid and Catechins. Free Radical Research Communications, 1993, 19, 241-253.	1.8	195
107	Inhibition of Peroxynitrite Dependent Tyrosine Nitration by Hydroxycinnamates. Free Radical Biology and Medicine, 1998, 24, 594-606.	1.3	195
108	The role of superoxide and hydroxyl radicals in the degradation of hyaluronic acid induced by metal ions and by ascorbic acid. Journal of Inorganic Biochemistry, 1981, 14, 127-134.	1.5	190

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109	Use of desferrioxamine as a â€˜probeâ€™ for iron-dependent formation of hydroxyl radicals. Biochemical Pharmacology, 1985, 34, 229-233.	2.0	187
110	The Effects of Iron and Vitamin C Co-supplementation on Oxidative Damage to DNA in Healthy Volunteers. Biochemical and Biophysical Research Communications, 1998, 246, 293-298.	1.0	185
111	Free Radicals and Hearing: Cause, Consequence, and Criteria. Annals of the New York Academy of Sciences, 1999, 884, 19-40.	1.8	185
112	Antioxidant Activity of Vitamin C in Iron-overloaded Human Plasma. Journal of Biological Chemistry, 1997, 272, 15656-15660.	1.6	184
113	Ergothioneine â€“ a dietâ€derived antioxidant with therapeutic potential. FEBS Letters, 2018, 592, 3357-3366.	1.3	184
114	Hydrogen Peroxide in Human Urine: Implications for Antioxidant Defense and Redox Regulation. Biochemical and Biophysical Research Communications, 1999, 262, 605-609.	1.0	181
115	Does supplemental vitamin C increase cardiovascular disease risk in women with diabetes?. American Journal of Clinical Nutrition, 2004, 80, 1194-1200.	2.2	178
116	Phagocyte-derived reactive species: salvation or suicide?. Trends in Biochemical Sciences, 2006, 31, 509-515.	3.7	169
117	Using Isoprostanes as Biomarkers of Oxidative Stress: Some Rarely Considered Issues. Antioxidants and Redox Signaling, 2010, 13, 145-156.	2.5	168
118	F4 - Isoprostanes as Specific Marker of Docosahexaenoic Acid Peroxidation in Alzheimer's Disease. Journal of Neurochemistry, 1999, 72, 734-740.	2.1	166
119	Superoxide dismutase activities of an iron porphyrin and other iron complexes. Journal of the American Chemical Society, 1979, 101, 1026-1031.	6.6	165
120	Biologically significant scavenging of the myeloperoxidase-derived oxidant hypochlorous acid by ascorbic acid. FEBS Letters, 1987, 213, 15-17.	1.3	165
121	Antioxidants: The Basics-what they are and how to Evaluate them. Advances in Pharmacology, 1996, 38, 3-20.	1.2	165
122	A Reassessment of the Peroxynitrite Scavenging Activity of Uric Acid. Annals of the New York Academy of Sciences, 2002, 962, 242-259.	1.8	161
123	Reactive oxygen species and silicaâ€induced carcinogenesis. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 1998, 1, 181-197.	2.9	160
124	Mini-Review: Oxidative stress, redox stress or redox success?. Biochemical and Biophysical Research Communications, 2018, 502, 183-186.	1.0	158
125	Protection Against Peroxynitrite-Dependent Tyrosine Nitration and Î±₁-Antiproteinase Inactivation by Ascorbic Acid. A Comparison with other Biological Antioxidants. Free Radical Research, 1996, 25, 275-283.	1.5	157
126	Hypochlorous Acid-Induced Base Modifications in Isolated Calf Thymus DNA. Chemical Research in Toxicology, 1997, 10, 1240-1246.	1.7	157

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127	Can oxidative DNA damage be used as a biomarker of cancer risk in humans? Problems, resolutions and preliminary results from nutritional supplementation studies. Free Radical Research, 1998, 29, 469-486.	1.5	157
128	Do polyphenols enter the brain and does it matter? Some theoretical and practical considerations. Genes and Nutrition, 2012, 7, 99-109.	1.2	156
129	Cell culture, oxidative stress, and antioxidants: Avoiding pitfalls. Biomedical Journal, 2014, 37, 99-105.	1.4	156
130	Vitamin C and genomic stability. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2001, 475, 29-35.	0.4	155
131	Effect of Wild-type or Mutant Parkin on Oxidative Damage, Nitric Oxide, Antioxidant Defenses, and the Proteasome. Journal of Biological Chemistry, 2002, 277, 28572-28577.	1.6	153
132	Effects of Hydrogen Peroxide on Wound Healing in Mice in Relation to Oxidative Damage. PLoS ONE, 2012, 7, e49215.	1.1	153
133	Base Modification and Strand Breakage in Isolated Calf Thymus DNA and in DNA from Human Skin Epidermal Keratinocytes Exposed to Peroxynitrite or 3-Morpholinosydnonimine. Chemical Research in Toxicology, 1996, 9, 1152-1158.	1.7	150
134	The scavenging of oxidants by sulphasalazine and its metabolites. Biochemical Pharmacology, 1987, 36, 3739-3742.	2.0	149
135	Cobalt(II) ion as a promoter of hydroxyl radical and possible â€˜crypto-hydroxylâ€™ radical formation under physiological conditions. Differential effects of hydroxyl radical scavengers. Biochimica Et Biophysica Acta - General Subjects, 1985, 843, 261-268.	1.1	148
136	Inhibition of peroxynitrite dependent DNA base modification and tyrosine nitration by the extra virgin olive oil-derived antioxidant hydroxytyrosol. Free Radical Biology and Medicine, 1999, 26, 762-769.	1.3	148
137	[4] Role of iron in oxygen radical reactions. Methods in Enzymology, 1984, 105, 47-56.	0.4	147
138	Evidence for a Trade-Off between Survival and Fitness Caused by Resveratrol Treatment of Caenorhabditis elegans. Annals of the New York Academy of Sciences, 2007, 1100, 530-542.	1.8	146
139	The iron-binding and hydroxyl radical scavenging action of anti-inflammatory drugs. Xenobiotica, 1988, 18, 459-470.	0.5	143
140	The mitochondrial free radical theory of ageing - Where do we stand?. Frontiers in Bioscience - Landmark, 2008, Volume, 6554.	3.0	143
141	Reaction of iron-EDTA chelates with the superoxide radical. Archives of Biochemistry and Biophysics, 1982, 218, 174-178.	1.4	142
142	Vitamin C: poison, prophylactic or panacea?. Trends in Biochemical Sciences, 1999, 24, 255-259.	3.7	141
143	The role of iron in ascorbate-dependent deoxyribose degradation. Evidence consistent with a site-specific hydroxyl radical generation caused by iron ions bound to the deoxyribose molecule. Journal of Inorganic Biochemistry, 1987, 29, 289-299.	1.5	140
144	Hydrogen Peroxide. Ubiquitous in Cell Culture and In vivo?. IUBMB Life, 2000, 50, 251-257.	1.5	138

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145	Measurement of oxidized and methylated DNA bases by HPLC with electrochemical detection. Biochemical Journal, 1996, 318, 21-23.	1.7	135
146	Biomarkers of oxidative damage in cigarette smokers: Which biomarkers might reflect acute versus chronic oxidative stress?. Free Radical Biology and Medicine, 2011, 50, 1787-1793.	1.3	135
147	Subcellular Localisation and Identification of Superoxide Dismutase in the Leaves of Higher Plants. FEBS Journal, 1978, 91, 339-344.	0.2	132
148	Human Skin Keloid Fibroblasts Display Bioenergetics of Cancer Cells. Journal of Investigative Dermatology, 2008, 128, 702-709.	0.3	132
149	Proteasomal inhibition causes the formation of protein aggregates containing a wide range of proteins, including nitrated proteins. Journal of Neurochemistry, 2004, 86, 363-373.	2.1	130
150	The mitochondria-targeted antioxidant MitoQ extends lifespan and improves healthspan of a transgenic Caenorhabditis elegans model of Alzheimer disease. Free Radical Biology and Medicine, 2014, 71, 390-401.	1.3	130
151	Effect of proteasome inhibition on cellular oxidative damage, antioxidant defences and nitric oxide production. Journal of Neurochemistry, 2001, 78, 32-41.	2.1	128
152	Instability of, and generation of hydrogen peroxide by, phenolic compounds in cell culture media. Archives of Biochemistry and Biophysics, 2010, 501, 162-169.	1.4	127
153	Neurochemical consequences of kainate-induced toxicity in brain: involvement of arachidonic acid release and prevention of toxicity by phospholipase A2 inhibitors. Brain Research Reviews, 2001, 38, 61-78.	9.1	126
154	Characterization of antioxidant and antiglycation properties and isolation of active ingredients from traditional chinese medicines. Free Radical Biology and Medicine, 2004, 36, 1575-1587.	1.3	126
155	The superoxide dismutase activity of iron complexes. FEBS Letters, 1975, 56, 34-38.	1.3	125
156	Doxorubicin-dependent lipid peroxidation at low partial pressures of O2. Journal of Free Radicals in Biology & Medicine, 1985, 1, 43-49.	2.1	125
157	Interaction of nitrogen dioxide with human plasma Antioxidant depletion and oxidative damage. FEBS Letters, 1992, 313, 62-66.	1.3	125
158	Effect of Hydroxytyrosol Found in Extra Virgin Olive Oil on Oxidative DNA Damage and on Low-Density Lipoprotein Oxidation. Journal of Agricultural and Food Chemistry, 1998, 46, 5181-5187.	2.4	125
159	Determination of low-molecular-mass antioxidant concentrations in human respiratory tract lining fluids. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 276, L289-L296.	1.3	123
160	DNA damage and cancer: Measurement and mechanism. Cancer Letters, 1995, 93, 113-120.	3.2	122
161	Evaluation of the Pro-Oxidant and Antioxidant Actions of L-DOPA and Dopamine in Vitro: Implications for Parkinson's Disease. Free Radical Research, 1996, 24, 95-105.	1.5	122
162	Analysis of free and protein-bound nitrotyrosine in human plasma by a gas chromatography/mass spectrometry method that avoids nitration artifacts. Biochemical Journal, 2000, 345, 453-458.	1.7	122

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163	Î±-lipoic acid decreases oxidative stress even in diabetic patients with poor glycemic control and albuminuria. Free Radical Biology and Medicine, 1999, 26, 1495-1500.	1.3	121
164	Consumption of flavonoids in onions and black tea: lack of effect on F2-isoprostanes and autoantibodies to oxidized LDL in healthy humans. American Journal of Clinical Nutrition, 2001, 73, 1040-1044.	2.2	121
165	Raised levels of F2-isoprostanes and prostaglandin F2alpha in different rheumatic diseases. Annals of the Rheumatic Diseases, 2001, 60, 627-631.	0.5	121
166	Invited Commentary:Superoxide, Iron, Vascular Endothelium and Reperfusion Injury. Free Radical Research Communications, 1989, 5, 315-318.	1.8	120
167	Effect of Concentration on the Cytotoxic Mechanism of Doxorubicinâ€"Apoptosis and Oxidative DNA Damage. Biochemical and Biophysical Research Communications, 1997, 230, 254-257.	1.0	120
168	Contribution of hydrogen peroxide to the cytotoxicity of green tea and red wines. Biochemical and Biophysical Research Communications, 2003, 304, 650-654.	1.0	120
169	A Mechanism of Sulfite Neurotoxicity. Journal of Biological Chemistry, 2004, 279, 43035-43045.	1.6	119
170	Antioxidant Action of Ergothioneine: Assessment of Its Ability to Scavenge Peroxynitrite. Biochemical and Biophysical Research Communications, 1997, 231, 389-391.	1.0	118
171	The cytotoxicity of dopamine may be an artefact of cell culture. Journal of Neurochemistry, 2002, 81, 414-421.	2.1	118
172	An attempt to demonstrate a reaction between superoxide and hydrogen peroxide. FEBS Letters, 1976, 72, 8-10.	1.3	115
173	Administration of Pure Ergothioneine to Healthy Human Subjects: Uptake, Metabolism, and Effects on Biomarkers of Oxidative Damage and Inflammation. Antioxidants and Redox Signaling, 2017, 26, 193-206.	2.5	114
174	Hydroxyl radical is a significant player in oxidative DNA damagein vivo. Chemical Society Reviews, 2021, 50, 8355-8360.	18.7	114
175	Characterization of food antioxidants, illustrated using commercial garlic and ginger preparations. Food Chemistry, 1997, 60, 149-156.	4.2	113
176	An Evaluation of the Antioxidant and Potential Pro-Oxidant Properties of Food Additives and the Trolox C., Vitamin E and Probucol. Free Radical Research Communications, 1990, 10, 143-157.	1.8	112
177	Oxygen free-radicals and lipid peroxidation: inhibition by the protein caeruloplasmin. FEBS Letters, 1980, 112, 269-272.	1.3	111
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