

# Barry Halliwell

## List of Publications by Year in descending order

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499  
papers

96,169  
citations

315

138  
h-index

277

295  
g-index

518  
all docs

518  
docs citations

518  
times ranked

69072  
citing authors

#	ARTICLE	IF	CITATIONS
1	[1] Role of free radicals and catalytic metal ions in human disease: An overview. <i>Methods in Enzymology</i> , 1990, 186, 1-85.	0.4	3,941
2	Reactive Oxygen Species and the Central Nervous System. <i>Journal of Neurochemistry</i> , 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. <i>Planta</i> , 1976, 133, 21-25.	1.6	2,320
4	Oxidative stress and neurodegeneration: where are we now?. <i>Journal of Neurochemistry</i> , 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. <i>Biochemical Journal</i> , 1996, 313, 17-29.	1.7	2,020
6	Oxygen free radicals and iron in relation to biology and medicine: Some problems and concepts. <i>Archives of Biochemistry and Biophysics</i> , 1986, 246, 501-514.	1.4	1,955
7	The deoxyribose method: A simple test-tube assay for determination of rate constants for reactions of hydroxyl radicals. <i>Analytical Biochemistry</i> , 1987, 165, 215-219.	1.1	1,954
8	Measuring reactive species and oxidative damage in vivo and in cell culture: how should you do it and what do the results mean?. <i>British Journal of Pharmacology</i> , 2004, 142, 231-255.	2.7	1,839
9	Reactive Species and Antioxidants. <i>Redox Biology Is a Fundamental Theme of Aerobic Life. Plant Physiology</i> , 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. <i>Free Radical Biology and Medicine</i> , 1989, 6, 593-597.	1.3	1,576
11	Formation of nitric oxide-derived inflammatory oxidants by myeloperoxidase in neutrophils. <i>Nature</i> , 1998, 391, 393-397.	13.7	1,452
12	Antioxidants in Human Health and Disease. <i>Annual Review of Nutrition</i> , 1996, 16, 33-50.	4.3	1,439
13	DNA damage by oxygen-derived species Its mechanism and measurement in mammalian systems. <i>FEBS Letters</i> , 1991, 281, 9-19.	1.3	1,350
14	Role of Free Radicals in the Neurodegenerative Diseases. <i>Drugs and Aging</i> , 2001, 18, 685-716.	1.3	1,259
15	The antioxidants of human extracellular fluids. <i>Archives of Biochemistry and Biophysics</i> , 1990, 280, 1-8.	1.4	1,167
16	Biochemistry of oxidative stress. <i>Biochemical Society Transactions</i> , 2007, 35, 1147-1150.	1.6	1,150
17	Oxidative stress and cancer: have we moved forward?. <i>Biochemical Journal</i> , 2007, 401, 1-11.	1.7	1,099
18	Oxidants and human disease: some new concepts <sup>1</sup> . <i>FASEB Journal</i> , 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?. <i>Biochemical Pharmacology</i> , 1988, 37, 569-571.	2.0	585
38	Inhibition of mammalian 5-lipoxygenase and cyclo-oxygenase by flavonoids and phenolic dietary additives. <i>Biochemical Pharmacology</i> , 1991, 42, 1673-1681.	2.0	572
39	The antioxidant paradox. <i>Lancet, The</i> , 2000, 355, 1179-1180.	6.3	559
40	Antioxidants and Human Disease: A General Introduction. <i>Nutrition Reviews</i> , 1997, 55, S44-S49.	2.6	551
41	Free radicals and antioxidants â€™ quo vadis?. <i>Trends in Pharmacological Sciences</i> , 2011, 32, 125-130.	4.0	551
42	Free radicals and antioxidants in food and <i>in vivo</i> : What they do and how they work. <i>Critical Reviews in Food Science and Nutrition</i> , 1995, 35, 7-20.	5.4	548
43	The novel neuromodulator hydrogen sulfide: an endogenous peroxynitrite 'scavenger'?. <i>Journal of Neurochemistry</i> , 2004, 90, 765-768.	2.1	545
44	Antioxidant and pro-oxidant actions of the plant phenolics quercetin, gossypol and myricetin. <i>Biochemical Pharmacology</i> , 1989, 38, 2859-2865.	2.0	530
45	Nitric oxide and oxygen radicals: a question of balance. <i>FEBS Letters</i> , 1995, 369, 131-135.	1.3	501
46	Failure of the ubiquitinâ€™ proteasome system in Parkinson's disease. <i>Nature Reviews Neuroscience</i> , 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. <i>Journal of Neurochemistry</i> , 1997, 69, 1326-1329.	2.1	483
48	Commentary Oxidative Stress, Nutrition and Health. <i>Experimental Strategies for Optimization of Nutritional Antioxidant Intake in Humans. Free Radical Research</i> , 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. <i>Journal of Neurochemistry</i> , 1997, 68, 2061-2069.	2.1	470
50	Commentary: Vitamin C: Antioxidant or Pro-Oxidant In Vivo?. <i>Free Radical Research</i> , 1996, 25, 439-454.	1.5	459
51	Oxidative stress in cell culture: an under-appreciated problem?. <i>FEBS Letters</i> , 2003, 540, 3-6.	1.3	455
52	The gastrointestinal tract: A major site of antioxidant action?. <i>Free Radical Research</i> , 2000, 33, 819-830.	1.5	438
53	What nitrates tyrosine? Is nitrotyrosine specific as a biomarker of peroxynitrite formation in vivo?. <i>FEBS Letters</i> , 1997, 411, 157-160.	1.3	435
54	Dietary polyphenols: Good, bad, or indifferent for your health?. <i>Cardiovascular Research</i> , 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. <i>Journal of Biological Chemistry</i> , 1996, 271, 19199-19208.	1.6	408
56	The definition and measurement of antioxidants in biological systems. <i>Free Radical Biology and Medicine</i> , 1995, 18, 125-126.	1.3	402
57	The wanderings of a free radical. <i>Free Radical Biology and Medicine</i> , 2009, 46, 531-542.	1.3	398
58	Micronutrients: oxidant/antioxidant status. <i>British Journal of Nutrition</i> , 2001, 85, S67.	1.2	392
59	Antioxidant characterization. <i>Biochemical Pharmacology</i> , 1995, 49, 1341-1348.	2.0	385
60	Oxidative damage, lipid peroxidation and antioxidant protection in chloroplasts. <i>Chemistry and Physics of Lipids</i> , 1987, 44, 327-340.	1.5	368
61	Evaluation of the antioxidant and prooxidant actions of gallic acid and its derivatives. <i>Journal of Agricultural and Food Chemistry</i> , 1993, 41, 1880-1885.	2.4	363
62	Artifacts in Cell Culture: Rapid Generation of Hydrogen Peroxide on Addition of ( $\alpha^{\bullet}$ )-Epigallocatechin, ( $\beta^{\bullet}$ )-Epigallocatechin Gallate, (+)-Catechin, and Quercetin to Commonly Used Cell Culture Media. <i>Biochemical and Biophysical Research Communications</i> , 2000, 273, 50-53.	1.0	363
63	Guidelines for measuring reactive oxygen species and oxidative damage in cells and in vivo. <i>Nature Metabolism</i> , 2022, 4, 651-662.	5.1	356
64	Interactions of a series of coumarins with reactive oxygen species. <i>Biochemical Pharmacology</i> , 1992, 44, 205-214.	2.0	351
65	Aromatic hydroxylation and nitration of phenylalanine and tyrosine by peroxyxynitrite. <i>FEBS Letters</i> , 1994, 339, 89-92.	1.3	351
66	Allopurinol and oxypurinol are hydroxyl radical scavengers. <i>FEBS Letters</i> , 1987, 213, 23-28.	1.3	350
67	Protection against tissue damage in vivo by desferrioxamine: What is its mechanism of action?. <i>Free Radical Biology and Medicine</i> , 1989, 7, 645-651.	1.3	348
68	Ergothioneine; antioxidant potential, physiological function and role in disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 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. <i>Journal of Neurochemistry</i> , 1998, 71, 2112-2122.	2.1	326
70	Inhibition of Peroxynitrite-Mediated Tyrosine Nitration by Catechin Polyphenols. <i>Biochemical and Biophysical Research Communications</i> , 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. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1999, 443, 37-52.	0.9	317
72	Antioxidants: Molecules, medicines, and myths. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 561-564.	1.0	310

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73	Drug Antioxidant Effects. <i>Drugs</i> , 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. <i>Planta</i> , 1978, 140, 81-88.	1.6	299
75	Evaluation of the antioxidant activity of melatonin in vitro. <i>Free Radical Biology and Medicine</i> , 1996, 21, 307-315.	1.3	299
76	The measurement of free radical reactions in humans. <i>FEBS Letters</i> , 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. <i>Free Radical Biology and Medicine</i> , 2001, 31, 745-753.	1.3	283
78	Blood radicals: reactive nitrogen species, reactive oxygen species, transition metal ions, and the vascular system. <i>Pharmaceutical Research</i> , 1996, 13, 649-662.	1.7	277
79	Superoxide-dependent formation of hydroxyl radicals in the presence of iron salts. <i>FEBS Letters</i> , 1978, 96, 238-242.	1.3	274
80	Lipoic and Dihydrolipoic Acids as Antioxidants. a Critical Evaluation. <i>Free Radical Research</i> , 1994, 20, 119-133.	1.5	273
81	Hydroxylation of salicylate as an assay for hydroxyl radicals: A cautionary note. <i>Free Radical Biology and Medicine</i> , 1991, 10, 439-441.	1.3	259
82	Nitric oxide and peroxynitrite. The ugly, the uglier and the not so good. <i>Free Radical Research</i> , 1999, 31, 651-669.	1.5	256
83	Hydrogen Sulfide Is a Mediator of Cerebral Ischemic Damage. <i>Stroke</i> , 2006, 37, 889-893.	1.0	250
84	The antioxidant paradox: less paradoxical now?. <i>British Journal of Clinical Pharmacology</i> , 2013, 75, 637-644.	1.1	250
85	Intense oxidative DNA damage promoted by DOPA and its metabolites implications for neurodegenerative disease. <i>FEBS Letters</i> , 1994, 353, 246-250.	1.3	249
86	Oxidants, inflammation, and anti-inflammatory drugs. <i>FASEB Journal</i> , 1988, 2, 2867-2873.	0.2	246
87	Lipid peroxidation, antioxidants and cardiovascular disease: how should we move forward?. <i>Cardiovascular Research</i> , 2000, 47, 410-418.	1.8	246
88	Superoxide-dependent formation of hydroxyl radicals: Detection of hydroxyl radicals by the hydroxylation of aromatic compounds. <i>Analytical Biochemistry</i> , 1981, 118, 328-335.	1.1	240
89	Inhibition of lipid peroxidation by the iron-binding protein lactoferrin. <i>Biochemical Journal</i> , 1981, 199, 259-261.	1.7	233
90	Human fecal water content of phenolics: The extent of colonic exposure to aromatic compounds. <i>Free Radical Biology and Medicine</i> , 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 "Oxidative DNA Damage and Repair." 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 $\alpha$ -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 "catalytic" 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	The In Vitro Cytotoxicity 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 "probe"™ for iron-dependent formation of hydroxyl radicals. <i>Biochemical Pharmacology</i> , 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. <i>Biochemical and Biophysical Research Communications</i> , 1998, 246, 293-298.	1.0	185
111	Free Radicals and Hearing: Cause, Consequence, and Criteria. <i>Annals of the New York Academy of Sciences</i> , 1999, 884, 19-40.	1.8	185
112	Antioxidant Activity of Vitamin C in Iron-overloaded Human Plasma. <i>Journal of Biological Chemistry</i> , 1997, 272, 15656-15660.	1.6	184
113	Ergothioneine "a diet-derived antioxidant with therapeutic potential. <i>FEBS Letters</i> , 2018, 592, 3357-3366.	1.3	184
114	Hydrogen Peroxide in Human Urine: Implications for Antioxidant Defense and Redox Regulation. <i>Biochemical and Biophysical Research Communications</i> , 1999, 262, 605-609.	1.0	181
115	Does supplemental vitamin C increase cardiovascular disease risk in women with diabetes?. <i>American Journal of Clinical Nutrition</i> , 2004, 80, 1194-1200.	2.2	178
116	Phagocyte-derived reactive species: salvation or suicide?. <i>Trends in Biochemical Sciences</i> , 2006, 31, 509-515.	3.7	169
117	Using Isoprostanes as Biomarkers of Oxidative Stress: Some Rarely Considered Issues. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 145-156.	2.5	168
118	F4 - Isoprostanes as Specific Marker of Docosahexaenoic Acid Peroxidation in Alzheimer's Disease. <i>Journal of Neurochemistry</i> , 1999, 72, 734-740.	2.1	166
119	Superoxide dismutase activities of an iron porphyrin and other iron complexes. <i>Journal of the American Chemical Society</i> , 1979, 101, 1026-1031.	6.6	165
120	Biologically significant scavenging of the myeloperoxidase-derived oxidant hypochlorous acid by ascorbic acid. <i>FEBS Letters</i> , 1987, 213, 15-17.	1.3	165
121	Antioxidants: The Basics-what they are and how to Evaluate them. <i>Advances in Pharmacology</i> , 1996, 38, 3-20.	1.2	165
122	A Reassessment of the Peroxynitrite Scavenging Activity of Uric Acid. <i>Annals of the New York Academy of Sciences</i> , 2002, 962, 242-259.	1.8	161
123	Reactive oxygen species and silica-induced carcinogenesis. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 1998, 1, 181-197.	2.9	160
124	Mini-Review: Oxidative stress, redox stress or redox success?. <i>Biochemical and Biophysical Research Communications</i> , 2018, 502, 183-186.	1.0	158
125	Protection Against Peroxynitrite-Dependent Tyrosine Nitration and <sup>1</sup> -Antiproteinase Inactivation by Ascorbic Acid. A Comparison with other Biological Antioxidants. <i>Free Radical Research</i> , 1996, 25, 275-283.	1.5	157
126	Hypochlorous Acid-Induced Base Modifications in Isolated Calf Thymus DNA. <i>Chemical Research in Toxicology</i> , 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. <i>Free Radical Research</i> , 1998, 29, 469-486.	1.5	157
128	Do polyphenols enter the brain and does it matter? Some theoretical and practical considerations. <i>Genes and Nutrition</i> , 2012, 7, 99-109.	1.2	156
129	Cell culture, oxidative stress, and antioxidants: Avoiding pitfalls. <i>Biomedical Journal</i> , 2014, 37, 99-105.	1.4	156
130	Vitamin C and genomic stability. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 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. <i>Journal of Biological Chemistry</i> , 2002, 277, 28572-28577.	1.6	153
132	Effects of Hydrogen Peroxide on Wound Healing in Mice in Relation to Oxidative Damage. <i>PLoS ONE</i> , 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-Morpholinocydonimine. <i>Chemical Research in Toxicology</i> , 1996, 9, 1152-1158.	1.7	150
134	The scavenging of oxidants by sulphasalazine and its metabolites. <i>Biochemical Pharmacology</i> , 1987, 36, 3739-3742.	2.0	149
135	Cobalt(II) ion as a promoter of hydroxyl radical and possible $\text{e}^-$ -crypto-hydroxyl radical formation under physiological conditions. Differential effects of hydroxyl radical scavengers. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 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. <i>Free Radical Biology and Medicine</i> , 1999, 26, 762-769.	1.3	148
137	[4] Role of iron in oxygen radical reactions. <i>Methods in Enzymology</i> , 1984, 105, 47-56.	0.4	147
138	Evidence for a Trade-Off between Survival and Fitness Caused by Resveratrol Treatment of <i>Caenorhabditis elegans</i> . <i>Annals of the New York Academy of Sciences</i> , 2007, 1100, 530-542.	1.8	146
139	The iron-binding and hydroxyl radical scavenging action of anti-inflammatory drugs. <i>Xenobiotica</i> , 1988, 18, 459-470.	0.5	143
140	The mitochondrial free radical theory of ageing - Where do we stand?. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 6554.	3.0	143
141	Reaction of iron-EDTA chelates with the superoxide radical. <i>Archives of Biochemistry and Biophysics</i> , 1982, 218, 174-178.	1.4	142
142	Vitamin C: poison, prophylactic or panacea?. <i>Trends in Biochemical Sciences</i> , 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. <i>Journal of Inorganic Biochemistry</i> , 1987, 29, 289-299.	1.5	140
144	Hydrogen Peroxide. Ubiquitous in Cell Culture and In vivo?. <i>IUBMB Life</i> , 2000, 50, 251-257.	1.5	138

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145	Measurement of oxidized and methylated DNA bases by HPLC with electrochemical detection. <i>Biochemical Journal</i> , 1996, 318, 21-23.	1.7	135
146	Biomarkers of oxidative damage in cigarette smokers: Which biomarkers might reflect acute versus chronic oxidative stress?. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1787-1793.	1.3	135
147	Subcellular Localisation and Identification of Superoxide Dismutase in the Leaves of Higher Plants. <i>FEBS Journal</i> , 1978, 91, 339-344.	0.2	132
148	Human Skin Keloid Fibroblasts Display Bioenergetics of Cancer Cells. <i>Journal of Investigative Dermatology</i> , 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. <i>Journal of Neurochemistry</i> , 2004, 86, 363-373.	2.1	130
150	The mitochondria-targeted antioxidant MitoQ extends lifespan and improves healthspan of a transgenic <i>Caenorhabditis elegans</i> model of Alzheimer disease. <i>Free Radical Biology and Medicine</i> , 2014, 71, 390-401.	1.3	130
151	Effect of proteasome inhibition on cellular oxidative damage, antioxidant defences and nitric oxide production. <i>Journal of Neurochemistry</i> , 2001, 78, 32-41.	2.1	128
152	Instability of, and generation of hydrogen peroxide by, phenolic compounds in cell culture media. <i>Archives of Biochemistry and Biophysics</i> , 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. <i>Brain Research Reviews</i> , 2001, 38, 61-78.	9.1	126
154	Characterization of antioxidant and antiglycation properties and isolation of active ingredients from traditional chinese medicines. <i>Free Radical Biology and Medicine</i> , 2004, 36, 1575-1587.	1.3	126
155	The superoxide dismutase activity of iron complexes. <i>FEBS Letters</i> , 1975, 56, 34-38.	1.3	125
156	Doxorubicin-dependent lipid peroxidation at low partial pressures of O <sub>2</sub> . <i>Journal of Free Radicals in Biology &amp; Medicine</i> , 1985, 1, 43-49.	2.1	125
157	Interaction of nitrogen dioxide with human plasma Antioxidant depletion and oxidative damage. <i>FEBS Letters</i> , 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. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 5181-5187.	2.4	125
159	Determination of low-molecular-mass antioxidant concentrations in human respiratory tract lining fluids. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999, 276, L289-L296.	1.3	123
160	DNA damage and cancer: Measurement and mechanism. <i>Cancer Letters</i> , 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. <i>Free Radical Research</i> , 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. <i>Biochemical Journal</i> , 2000, 345, 453-458.	1.7	122

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