Barry Halliwell

List of Publications by Year
in descending order

499 papers	96,169 citations	317 138 h-index	278 295 g-index
518 all docs	518 docs citations	518 times ranked	69072 citing authors

#	Article	IF	Citations
1	Commentary for â€œOxygen free radicals and iron in relation to biology and medicine: Some problems and conceptsâ€ Archives of Biochemistry and Biophysics, 2022, 718, 109151.	3.0	3
2	Does <i>Lactobacillus reuteri</i> influence ergothioneine levels in the human body?. FEBS Letters, 2022, 596, 1241-1251.	2.8	7
3	Ergothioneine, where are we now?. FEBS Letters, 2022, 596, 1227-1230.	2.8	9
4	On 'Oxygen free radicals and iron in relation to biology and medicine: Some problems and concepts' by Barry Halliwell and John M.C.Gutteridge. Archives of Biochemistry and Biophysics, 2022, , 109320.	3.0	2
5	Guidelines for measuring reactive oxygen species and oxidative damage in cells and in vivo. Nature Metabolism, 2022, 4, 651-662.	11.9	356
6	Effect of Ergothioneine on 7-Ketocholesterol-Induced Endothelial Injury. NeuroMolecular Medicine, 2021, 23, 184-198.	3.4	35
7	Effects of Antimalarial Drugs on Neuroinflammation-Potential Use for Treatment of COVID-19-Related Neurologic Complications. Molecular Neurobiology, 2021, 58, 106-117.	4.0	32
8	Hydroxyl radical is a significant player in oxidative DNA damage<i>in vivo</i>. Chemical Society Reviews, 2021, 50, 8355-8360.	38.1	114
9	Thermodynamic analysis of DNA hybridization signatures near mitochondrial DNA deletion breakpoints. IScience, 2021, 24, 102138.	4.1	0
10	Ergothioneine, recent developments. Redox Biology, 2021, 42, 101868.	9.0	85
11	Commentary on â€œAscorbate kills breast cancer cells by rewiring metabolism via redox imbalance and energy crisisâ€by Ghanem et al. [Free Radic. Biol. Med. 163 (2021) 196â€“209]. Free Radical Biology and Medicine, 2021, 171, 124-125.	2.9	1
12	Low plasma ergothioneine levels are associated with neurodegeneration and cerebrovascular disease in dementia. Free Radical Biology and Medicine, 2021, 177, 201-211.	2.9	32
13	Association of ergothioneine with neurodegeneration and cerebrovascular disease in cognitive impairment and dementia. Alzheimer's and Dementia, 2021, 17, .	0.8	0
14	Reflections of an aging free radical. Free Radical Biology and Medicine, 2020, 161, 234-245.	2.9	45
15	Photodynamic Therapy: A Flexiâ€PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy (Adv. Mater. 29/2020). Advanced Materials, 2020, 32, 2070219.	21.0	2
16	Could Ergothioneine Aid in the Treatment of Coronavirus Patients?. Antioxidants, 2020, 9, 595.	5.1	45
17	A Flexiâ€PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy. Advanced Materials, 2020, 32, 2001459.	21.0	44
18	Lifespan and healthspan benefits of exogenous H2S in C. elegans are independent from effects downstream of eat-2 mutation. Npj Aging and Mechanisms of Disease, 2020, 6, 6.	4.5	23

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19	Making Sense of Neurodegeneration: A Unifying Hypothesis. , 2019, , 115-120.		1
20	Inhibition of amyloidâ€induced toxicity by ergothioneine in a transgenic <i>Caenorhabditis elegans</i> model. FEBS Letters, 2019, 593, 2139-2150.	2.8	31
21	Mitochondrial DNA Damage Does Not Determine C. elegans Lifespan. Frontiers in Genetics, 2019, 10, 311.	2.3	18
22	Specificity of the ergothioneine transporter natively expressed in HeLa cells. Biochemical and Biophysical Research Communications, 2019, 513, 22-27.	2.1	26
23	Oxidative stress, dysfunctional glucose metabolism and Alzheimer disease. Nature Reviews Neuroscience, 2019, 20, 148-160.	10.2	1,021
24	The Association between Mushroom Consumption and Mild Cognitive Impairment: A Community-Based Cross-Sectional Study in Singapore. Journal of Alzheimer's Disease, 2019, 68, 197-203.	2.6	58
25	Celebrating the 60th birthday of BBRC. Biochemical and Biophysical Research Communications, 2019, 520, 677-678.	2.1	1
26	Assessment of diets containing curcumin, epigallocatechin-3-gallate, docosahexaenoic acid and Î±-lipoic acid on amyloid load and inflammation in a male transgenic mouse model of Alzheimer's disease: Are combinations more effective?. Neurobiology of Disease, 2019, 124, 505-519.	4.4	36
27	Metabolic stress is a primary pathogenic event in transgenic Caenorhabditis elegans expressing pan-neuronal human amyloid beta. ELife, 2019, 8, .	6.0	55
28	Distribution and accumulation of dietary ergothioneine and its metabolites in mouse tissues. Scientific Reports, 2018, 8, 1601.	3.3	88
29	Reactive Oxygen Species: Radical Factors in the Evolution of Animal Life. BioEssays, 2018, 40, 1700158.	2.5	84
30	The proteobacterial species <i>Burkholderia pseudomallei</i> produces ergothioneine, which enhances virulence in mammalian infection. FASEB Journal, 2018, 32, 6395-6409.	0.5	19
31	Mini-Review: Oxidative stress, redox stress or redox success?. Biochemical and Biophysical Research Communications, 2018, 502, 183-186.	2.1	158
32	Ergothioneine â€“ a dietâ€derived antioxidant with therapeutic potential. FEBS Letters, 2018, 592, 3357-3366.	2.8	184
33	A novel vibration-induced exercise paradigm improves fitness and lipid metabolism of Caenorhabditis elegans. Scientific Reports, 2018, 8, 9420.	3.3	11
34	Clonal expansion of mitochondrial DNA deletions is a private mechanism of aging in longâ€lived animals. Aging Cell, 2018, 17, e12814.	6.7	32
35	Artefacts with ascorbate and other redox-active compounds in cell culture: epigenetic modifications, and cell killing due to hydrogen peroxide generation in cell culture media. Free Radical Research, 2018, 52, 907-909.	3.3	12
36	Identification of a previously undetected metabolic defect in the Complex II Caenorhabditis elegans mev-1 mutant strain using respiratory control analysis. Biogerontology, 2017, 18, 189-200.	3.9	14

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37	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.	5.4	114
38	Approaches for extending human healthspan: from antioxidants to healthspan pharmacology. Essays in Biochemistry, 2017, 61, 389-399.	4.7	13
39	Energy crisis precedes global metabolic failure in a novel Caenorhabditis elegans Alzheimer Disease model. Scientific Reports, 2016, 6, 33781.	3.3	68
40	Ergothioneine levels in an elderly population decrease with age and incidence of cognitive decline; a risk factor for neurodegeneration?. Biochemical and Biophysical Research Communications, 2016, 478, 162-167.	2.1	94
41	Liver ergothioneine accumulation in a guinea pig model of non-alcoholic fatty liver disease. A possible mechanism of defence?. Free Radical Research, 2016, 50, 14-25.	3.3	50
42	Ergothioneine, an adaptive antioxidant for the protection of injured tissues? A hypothesis. Biochemical and Biophysical Research Communications, 2016, 470, 245-250.	2.1	89
43	Are mutagenic non D-loop direct repeat motifs in mitochondrial DNA under a negative selection pressure?. Nucleic Acids Research, 2015, 43, 4098-4108.	14.5	7
44	Caenorhabditis elegans: What We Can and Cannot Learn from Aging Worms. Antioxidants and Redox Signaling, 2015, 23, 256-279.	5.4	40
45	Context-Dependent Role of Mitochondrial Fusion-Fission in Clonal Expansion of mtDNA Mutations. PLoS Computational Biology, 2015, 11, e1004183.	3.2	60
46	Metabolic signatures of renal cell carcinoma. Biochemical and Biophysical Research Communications, 2015, 460, 938-943.	2.1	16
47	Does Influenza A Infection Increase Oxidative Damage?. Antioxidants and Redox Signaling, 2014, 21, 1025-1031.	5.4	38
48	Cell culture, oxidative stress, and antioxidants: Avoiding pitfalls. Biomedical Journal, 2014, 37, 99-105.	3.1	156
49	Effects of Lithium on Age-related Decline in Mitochondrial Turnover and Function in Caenorhabditis elegans. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 810-820.	3.6	40
50	Variability in APOE genotype status in human-derived cell lines: a cause for concern in cell culture studies?. Genes and Nutrition, 2014, 9, 364.	2.5	12
51	The â€˜mitoflashâ€™ probe cpYFP does not respond to superoxide. Nature, 2014, 514, E12-E14.	27.8	109
52	Hydrogen Sulfide Is an Endogenous Regulator of Aging in <i>Caenorhabditis elegans</i>. Antioxidants and Redox Signaling, 2014, 20, 2621-2630.	5.4	79
53	Does High-Dose Coenzyme Q₁₀ Improve Oxidative Damage and Clinical Outcomes in Parkinson's Disease?. Antioxidants and Redox Signaling, 2014, 21, 211-217.	5.4	31
54	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.	2.9	130

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55	Augmentation of 5-lipoxygenase activity and expression during dengue serotype-2 infection. Virology Journal, 2013, 10, 322.	3.4	9
56	High fat diets and pathology in the guinea pig. Atherosclerosis or liver damage?. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 355-364.	3.8	32
57	Biomarkers of oxidative damage are elevated among individuals with high cardiovascular risk: Refining subject selection strategies for antioxidant trials. Free Radical Research, 2013, 47, 283-290.	3.3	9
58	Mitochondria-targeted antioxidants and metabolic modulators as pharmacological interventions to slow ageing. Biotechnology Advances, 2013, 31, 563-592.	11.7	107
59	The antioxidant paradox: less paradoxical now?. British Journal of Clinical Pharmacology, 2013, 75, 637-644.	2.4	250
60	An interview with Barry Halliwell. Trends in Pharmacological Sciences, 2013, 34, 301-302.	8.7	2
61	Repression of the mitochondrial peroxiredoxin antioxidant system does not shorten life span but causes reduced fitness in Caenorhabditis elegans. Free Radical Biology and Medicine, 2013, 63, 381-389.	2.9	23
62	A high-fat and cholesterol diet causes fatty liver in guinea pigs. The role of iron and oxidative damage. Free Radical Research, 2013, 47, 602-613.	3.3	19
63	Knockout of a putative ergothioneine transporter in<i>Caenorhabditis elegans</i>decreases lifespan and increases susceptibility to oxidative damage. Free Radical Research, 2013, 47, 1036-1045.	3.3	39
64	Mathematical Modeling of the Role of Mitochondrial Fusion and Fission in Mitochondrial DNA Maintenance. PLoS ONE, 2013, 8, e76230.	2.5	62
65	Maximizing signal-to-noise ratio in the random mutation capture assay. Nucleic Acids Research, 2012, 40, e35-e35.	14.5	2
66	Does iron inhibit calcification during atherosclerosis?. Free Radical Biology and Medicine, 2012, 53, 1675-1679.	2.9	24
67	Acute effects of cigarette smoking on insulin resistance and arterial stiffness in young adults. Atherosclerosis, 2012, 224, 195-200.	0.8	36
68	Is mitochondrial DNA turnover slower than commonly assumed?. Biogerontology, 2012, 13, 557-564.	3.9	29
69	Ergothioneine; antioxidant potential, physiological function and role in disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 784-793.	3.8	330
70	The effects of oxaloacetate on hydrogen peroxide generation from ascorbate and epigallocatechin gallate in cell culture media: Potential for altering cell metabolism. Biochemical and Biophysical Research Communications, 2012, 417, 446-450.	2.1	26
71	Effects of hydrogen peroxide in a keratinocyte-fibroblast co-culture model of wound healing. Biochemical and Biophysical Research Communications, 2012, 423, 253-258.	2.1	60
72	Effects of Hydrogen Peroxide on Wound Healing in Mice in Relation to Oxidative Damage. PLoS ONE, 2012, 7, e49215.	2.5	153

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73	Do polyphenols enter the brain and does it matter? Some theoretical and practical considerations. Genes and Nutrition, 2012, 7, 99-109.	2.5	156
74	Sustained expression of heme oxygenase-1 alters iron homeostasis in nonerythroid cells. Free Radical Biology and Medicine, 2012, 53, 366-374.	2.9	21
75	Free radicals and antioxidants: updating a personal view. Nutrition Reviews, 2012, 70, 257-265.	5.8	626
76	Role of Direct Repeat and Stem-Loop Motifs in mtDNA Deletions: Cause or Coincidence?. PLoS ONE, 2012, 7, e35271.	2.5	19
77	Comment on Hydroxytyrosol Induces Proliferation and Cytoprotection against Oxidative Injury in Vascular Endothelial Cells: Role of Nrf2 Activation and HO-1 Induction. Journal of Agricultural and Food Chemistry, 2011, 59, 10770-10771.	5.2	20
78	Unraveling the Biological Roles of Reactive Oxygen Species. Cell Metabolism, 2011, 13, 361-366.	16.2	661
79	Artefacts in cell culture: Î±-Ketoglutarate can scavenge hydrogen peroxide generated by ascorbate and epigallocatechin gallate in cell culture media. Biochemical and Biophysical Research Communications, 2011, 406, 20-24.	2.1	74
80	Free radicals and antioxidants â€“ quo vadis?. Trends in Pharmacological Sciences, 2011, 32, 125-130.	8.7	551
81	Oral zinc supplementation does not improve oxidative stress or vascular function in patients with type 2 diabetes with normal zinc levels. Atherosclerosis, 2011, 219, 231-239.	0.8	73
82	Mitochondrial Changes in Ageing Caenorhabditis elegans â€“ What Do We Learn from Superoxide Dismutase Knockouts?. PLoS ONE, 2011, 6, e19444.	2.5	76
83	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.	2.9	135
84	Mechanism of hydrogen peroxide-induced keratinocyte migration in a scratch-wound model. Free Radical Biology and Medicine, 2011, 51, 884-892.	2.9	60
85	The effect of dichloroacetate on health- and lifespan in C. elegans. Biogerontology, 2011, 12, 195-209.	3.9	50
86	Oxidative Damage in Ischemic Stroke Revealed Using Multiple Biomarkers. Stroke, 2011, 42, 2326-2329.	2.0	68
87	Ageing in nematodes: do antioxidants extend lifespan in Caenorhabditis elegans?. Biogerontology, 2010, 11, 17-30.	3.9	92
88	Oxidative damage in Parkinson disease: Measurement using accurate biomarkers. Free Radical Biology and Medicine, 2010, 48, 560-566.	2.9	226
89	Caenorhabditis elegans Life Span Studies: The Challenge of Maintaining Synchronous Cohorts. Rejuvenation Research, 2010, 13, 347-349.	1.8	3
90	Markers of Oxidative Damage Are Not Elevated in Otherwise Healthy Individuals With the Metabolic Syndrome. Diabetes Care, 2010, 33, 1140-1142.	8.6	31

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91	Is uric acid protective or deleterious in acute ischemic stroke? A prospective cohort study. Atherosclerosis, 2010, 209, 215-219.	0.8	80
92	Does radiotherapy increase oxidative stress? A study with nasopharyngeal cancer patients revealing anomalies in isoprostanes measurements. Free Radical Research, 2010, 44, 1064-1071.	3.3	12
93	The National University of Singapore and what it does. Biointerphases, 2010, 5, FA15-FA18.	1.6	0
94	Antioxidants: Molecules, medicines, and myths. Biochemical and Biophysical Research Communications, 2010, 393, 561-564.	2.1	310
95	Medicinal plants and antioxidants: What do we learn from cell culture and Caenorhabditis elegans studies?. Biochemical and Biophysical Research Communications, 2010, 394, 1-5.	2.1	67
96	Instability of, and generation of hydrogen peroxide by, phenolic compounds in cell culture media. Archives of Biochemistry and Biophysics, 2010, 501, 162-169.	3.0	127
97	Using Isoprostanes as Biomarkers of Oxidative Stress: Some Rarely Considered Issues. Antioxidants and Redox Signaling, 2010, 13, 145-156.	5.4	168
98	Allantoin in Human Plasma, Serum, and Nasal-Lining Fluids as a Biomarker of Oxidative Stress: Avoiding Artifacts and Establishing Real<i>in vivo</i>Concentrations. Antioxidants and Redox Signaling, 2009, 11, 1767-1776.	5.4	54
99	Stochastic Drift in Mitochondrial DNA Point Mutations: A Novel Perspective Ex Silico. PLoS Computational Biology, 2009, 5, e1000572.	3.2	47
100	A Metabolite Profiling Approach to Identify Biomarkers of Flavonoid Intake in Humans. Journal of Nutrition, 2009, 139, 2309-2314.	2.9	71
101	Deceptively simple but simply deceptive â€" <i>Caenorhabditis elegans</i> lifespan studies: Considerations for aging and antioxidant effects. FEBS Letters, 2009, 583, 3377-3387.	2.8	100
102	The wanderings of a free radical. Free Radical Biology and Medicine, 2009, 46, 531-542.	2.9	398
103	Oxidative damage in dengue fever. Free Radical Biology and Medicine, 2009, 47, 375-380.	2.9	60
104	Different Patterns of Oxidized Lipid Products in Plasma and Urine of Dengue Fever, Stroke, and Parkinson's Disease Patients: Cautions in the Use of Biomarkers of Oxidative Stress. Antioxidants and Redox Signaling, 2009, 11, 407-420.	5.4	88
105	<i>Notopterygium forbesii</i> Boiss Extract and Its Active Constituent Phenethyl Ferulate Attenuate Pro-Inflammatory Responses to Lipopolysaccharide in RAW 264.7 Macrophages. A â€œProtectiveâ€•Role for Oxidative Stress?. Chemical Research in Toxicology, 2009, 22, 1473-1482.	3.3	15
106	A novel approach to the identification and quantitative elemental analysis of amyloid depositsâ€"Insights into the pathology of Alzheimerâ€™s disease. Biochemical and Biophysical Research Communications, 2009, 382, 91-95.	2.1	96
107	Artefacts in cell culture: Pyruvate as a scavenger of hydrogen peroxide generated by ascorbate or epigallocatechin gallate in cell culture media. Biochemical and Biophysical Research Communications, 2009, 388, 700-704.	2.1	98
108	Limited antioxidant effect after consumption of a single dose of tomato sauce by young males, despite a rise in plasma lycopene. Free Radical Research, 2009, 43, 622-628.	3.3	20

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109	Elevated oxidative stress, iron accumulation around microvessels and increased 4-hydroxynonenal immunostaining in zone 1 of the liver acinus in hypercholesterolemic rabbits. Free Radical Research, 2009, 43, 241-249.	3.3	21
110	Nuclear Microscopy: A Novel Technique for Quantitative Imaging of Gadolinium Distribution within Tissue Sections. Microscopy and Microanalysis, 2009, 15, 338-344.	0.4	5
111	Human Skin Keloid Fibroblasts Display Bioenergetics of Cancer Cells. Journal of Investigative Dermatology, 2008, 128, 702-709.	0.7	132
112	Measurement of F2-isoprostanes, hydroxyeicosatetraenoic products, and oxysterols from a single plasma sample. Free Radical Biology and Medicine, 2008, 44, 1314-1322.	2.9	83
113	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.	3.0	618
114	Nephrotoxic cell death by diclofenac and meloxicam. Biochemical and Biophysical Research Communications, 2008, 369, 873-877.	2.1	36
115	Notopterygium forbesii Boiss Extract and Its Active Constituents Increase Reactive Species and Heme Oxygenase-1 in Human Fetal Hepatocytes: Mechanisms of Action. Chemical Research in Toxicology, 2008, 21, 2414-2423.	3.3	15
116	Editorial Year-end Note. Free Radical Research, 2008, 42, 911-912.	3.3	0
117	Lack of effect of acute oral ingestion of vitamin C on oxidative stress, arterial stiffness or blood pressure in healthy subjects. Free Radical Research, 2008, 42, 514-522.	3.3	38
118	The mitochondrial free radical theory of ageing - Where do we stand?. Frontiers in Bioscience - Landmark, 2008, Volume, 6554.	3.0	143
119	The identification of antioxidants in dark soy sauce. Free Radical Research, 2007, 41, 479-488.	3.3	60
120	Deciphering the mechanism of HNE-induced apoptosis in cultured murine cortical neurons: Transcriptional responses and cellular pathways. Neuropharmacology, 2007, 53, 687-698.	4.1	19
121	Promotion of atherogenesis by copper or ironâ€"Which is more likely?. Biochemical and Biophysical Research Communications, 2007, 353, 6-10.	2.1	15
122	Different cytotoxic and clastogenic effects of epigallocatechin gallate in various cell-culture media due to variable rates of its oxidation in the culture medium. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 634, 177-183.	1.7	62
123	Biochemistry of oxidative stress. Biochemical Society Transactions, 2007, 35, 1147-1150.	3.4	1,150
124	Dietary polyphenols: Good, bad, or indifferent for your health?. Cardiovascular Research, 2007, 73, 341-347.	3.8	423
125	Nuclear microscopy measurement of copper in atherosclerosis â€" Sensitivity and limitations to spatial resolution. Nuclear Instruments & Methods in Physics Research B, 2007, 260, 136-140.	1.4	6
126	Nuclear microprobe investigation into the trace elemental contents of carotid artery walls of apolipoprotein E deficient mice. Nuclear Instruments & Methods in Physics Research B, 2007, 260, 240-244.	1.4	6

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127	Zinc supplementation inhibits lipid peroxidation and the development of atherosclerosis in rabbits fed a high cholesterol diet. Free Radical Biology and Medicine, 2007, 42, 559-566.	2.9	85
128	Elevated F2-isoprostanes in thalassemic patients. Free Radical Biology and Medicine, 2007, 43, 1649-1655.	2.9	19
129	Psoralea corylifolia L. Inhibits Mitochondrial Complex I and Proteasome Activities in SH-SY5Y Cells. Annals of the New York Academy of Sciences, 2007, 1100, 486-496.	3.8	17
130	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.	3.8	146
131	Oxidative stress and cancer: have we moved forward?. Biochemical Journal, 2007, 401, 1-11.	3.7	1,099
132	Flavonoids: a Reâ€Run of the Carotenoids Story?. Novartis Foundation Symposium, 2007, 282, 93-104.	1.1	18
133	Cautions in the use of biomarkers of oxidative damage; the vascular and antioxidant effects of dark soy sauce in humans. Biochemical and Biophysical Research Communications, 2006, 344, 906-911.	2.1	50
134	Action of diclofenac on kidney mitochondria and cells. Biochemical and Biophysical Research Communications, 2006, 348, 494-500.	2.1	32
135	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
136	High Plasma Cyst(e)ine Level May Indicate Poor Clinical Outcome in Patients With Acute Stroke: Possible Involvement of Hydrogen Sulfide. Journal of Neuropathology and Experimental Neurology, 2006, 65, 109-115.	1.7	49
137	More antioxidants in sepsis: Still paved with uncertainties*. Critical Care Medicine, 2006, 34, 569-571.	0.9	7
138	Oxidative stress and neurodegeneration: where are we now?. Journal of Neurochemistry, 2006, 97, 1634-1658.	3.9	2,199
139	Chronic exposure to U18666A is associated with oxidative stress in cultured murine cortical neurons. Journal of Neurochemistry, 2006, 98, 1278-1289.	3.9	40
140	Quantitative gas chromatography mass spectrometric analysis of 2â€²-deoxyinosine in tissue DNA. Nature Protocols, 2006, 1, 1995-2002.	12.0	12
141	Potential artifacts in the measurement of DNA deamination. Free Radical Biology and Medicine, 2006, 40, 1939-1948.	2.9	27
142	Zinc supplementation decreases the development of atherosclerosis in rabbits. Free Radical Biology and Medicine, 2006, 41, 222-225.	2.9	45
143	Phagocyte-derived reactive species: salvation or suicide?. Trends in Biochemical Sciences, 2006, 31, 509-515.	7.5	169
144	Polyphenols: antioxidant treats for healthy living or covert toxins?. Journal of the Science of Food and Agriculture, 2006, 86, 1992-1995.	3.5	37

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145	Hydrogen Sulfide Is a Mediator of Cerebral Ischemic Damage. Stroke, 2006, 37, 889-893.	2.0	250
146	Reactive Species and Antioxidants. Redox Biology Is a Fundamental Theme of Aerobic Life. Plant Physiology, 2006, 141, 312-322.	4.8	1,834
147	Proteasomal Dysfunction: A Common Feature of Neurodegenerative Diseases? Implications for the Environmental Origins of Neurodegeneration. Antioxidants and Redox Signaling, 2006, 8, 2007-2019.	5.4	36
148	The Proteasome: Source and a Target of Oxidative Stress?. , 2006, , 85-103.		0
149	Human Fecal Water Inhibits COX-2 in Colonic HT-29 Cells: Role of Phenolic Compounds. Journal of Nutrition, 2005, 135, 2343-2349.	2.9	84
150	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.	4.7	596
151	Nuclear microscopy of diffuse plaques in the brains of transgenic mice. Nuclear Instruments & Methods in Physics Research B, 2005, 231, 326-332.	1.4	4
152	Oxidative Damage in Mitochondrial DNA Is Not Extensive. Annals of the New York Academy of Sciences, 2005, 1042, 210-220.	3.8	38
153	Proteasome inhibition by lactacystin in primary neuronal cells induces both potentially neuroprotective and pro-apoptotic transcriptional responses: a microarray analysis. Journal of Neurochemistry, 2005, 94, 943-956.	3.9	93
154	Human fecal water content of phenolics: The extent of colonic exposure to aromatic compounds. Free Radical Biology and Medicine, 2005, 38, 763-772.	2.9	231
155	The iron chelator desferrioxamine inhibits atherosclerotic lesion development and decreases lesion iron concentrations in the cholesterol-fed rabbit. Free Radical Biology and Medicine, 2005, 38, 1206-1211.	2.9	88
156	Hypochlorous acid-mediated mitochondrial dysfunction and apoptosis in human hepatoma HepG2 and human fetal liver cells: role of mitochondrial permeability transition. Free Radical Biology and Medicine, 2005, 38, 1571-1584.	2.9	108
157	Effect of overexpression of wild-type or mutant parkin on the cellular response induced by toxic insults. Journal of Neuroscience Research, 2005, 82, 232-244.	2.9	43
158	Establishing Biomarkers of Oxidative Stress: The Measurement of Hydrogen Peroxide in Human Urine. Current Medicinal Chemistry, 2004, 11, 1085-1092.	2.4	84
159	Do Mitochondria make Nitric Oxide? No?. Free Radical Research, 2004, 38, 591-599.	3.3	38
160	Peroxynitrite mediates calciumâ€dependent mitochondrial dysfunction and cell death via activation of calpains. FASEB Journal, 2004, 18, 1395-1397.	0.5	97
161	A Mechanism of Sulfite Neurotoxicity. Journal of Biological Chemistry, 2004, 279, 43035-43045.	3.4	119
162	A high-throughput and sensitive methodology for the quantification of urinary 8-hydroxy-2â€²-deoxyguanosine: measurement with gas chromatography-mass spectrometry after single solid-phase extraction. Biochemical Journal, 2004, 380, 541-548.	3.7	98

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163	Interference with ubiquitination causes oxidative damage and increased protein nitration: implications for neurodegenerative diseases. Journal of Neurochemistry, 2004, 90, 422-430.	3.9	36
164	The novel neuromodulator hydrogen sulfide: an endogenous peroxynitrite â€˜scavengerâ€™?. Journal of Neurochemistry, 2004, 90, 765-768.	3.9	545
165	Sulfite-mediated oxidative stress in kidney cells. Kidney International, 2004, 65, 393-402.	5.2	50
166	Measuring reactive species and oxidative damage<i>in vivo</i>and in cell culture: how should you do it and what do the results mean?. British Journal of Pharmacology, 2004, 142, 231-255.	5.4	1,839
167	Increased iron staining in the cerebral cortex of cholesterol fed rabbits. Mechanisms of Ageing and Development, 2004, 125, 305-313.	4.6	18
168	Characterization of antioxidant and antiglycation properties and isolation of active ingredients from traditional chinese medicines. Free Radical Biology and Medicine, 2004, 36, 1575-1587.	2.9	126
169	Mechanism of cell death induced by an antioxidant extract of Cratoxylum cochinchinense (YCT) in Jurkat T cells: the role of reactive oxygen species and calcium. Free Radical Biology and Medicine, 2004, 36, 1588-1611.	2.9	20
170	How I Became a Biochemist. IUBMB Life, 2004, 56, 569-570.	3.4	5
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