

Barry Halliwell

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

492
papers

81,310
citations

131
h-index

276
g-index

518
ext. papers

86,560
ext. citations

6
avg, IF

8.63
L-index

#	Paper	IF	Citations
492	Commentary for "Oxygen free radicals and iron in relation to biology and medicine: Some problems and concepts" .. <i>Archives of Biochemistry and Biophysics</i> , 2022 , 718, 109151	4.1	0
491	Low plasma ergothioneine levels are associated with neurodegeneration and cerebrovascular disease in dementia. <i>Free Radical Biology and Medicine</i> , 2021 , 177, 201-211	7.8	5
490	Thermodynamic analysis of DNA hybridization signatures near mitochondrial DNA deletion breakpoints. <i>IScience</i> , 2021 , 24, 102138	6.1	
489	Ergothioneine, recent developments. <i>Redox Biology</i> , 2021 , 42, 101868	11.3	18
488	Effect of Ergothioneine on 7-Ketocholesterol-Induced Endothelial Injury. <i>NeuroMolecular Medicine</i> , 2021 , 23, 184-198	4.6	14
487	Effects of Antimalarial Drugs on Neuroinflammation-Potential Use for Treatment of COVID-19-Related Neurologic Complications. <i>Molecular Neurobiology</i> , 2021 , 58, 106-117	6.2	21
486	Hydroxyl radical is a significant player in oxidative DNA damage in vivo. <i>Chemical Society Reviews</i> , 2021 , 50, 8355-8360	58.5	22
485	Commentary on "Ascorbate kills breast cancer cells by rewiring metabolism via redox imbalance and energy crisis" by Ghanem et al. [Free Radic. Biol. Med. 163 (2021) 196-209]. <i>Free Radical Biology and Medicine</i> , 2021 , 171, 124-125	7.8	0
484	A Flexi-PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy. <i>Advanced Materials</i> , 2020 , 32, e2001459	24	25
483	Lifespan and healthspan benefits of exogenous HS in are independent from effects downstream of mutation. <i>Npj Aging and Mechanisms of Disease</i> , 2020 , 6, 6	5.5	11
482	Reflections of an aging free radical. <i>Free Radical Biology and Medicine</i> , 2020 , 161, 234-245	7.8	19
481	Photodynamic Therapy: A Flexi-PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy (Adv. Mater. 29/2020). <i>Advanced Materials</i> , 2020 , 32, 2070219	24	
480	Could Ergothioneine Aid in the Treatment of Coronavirus Patients?. <i>Antioxidants</i> , 2020 , 9,	7.1	29
479	Inhibition of amyloid-induced toxicity by ergothioneine in a transgenic <i>Caenorhabditis elegans</i> model. <i>FEBS Letters</i> , 2019 , 593, 2139-2150	3.8	13
478	Mitochondrial DNA Damage Does Not Determine Lifespan. <i>Frontiers in Genetics</i> , 2019 , 10, 311	4.5	11
477	Specificity of the ergothioneine transporter natively expressed in HeLa cells. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 513, 22-27	3.4	15
476	Oxidative stress, dysfunctional glucose metabolism and Alzheimer disease. <i>Nature Reviews Neuroscience</i> , 2019 , 20, 148-160	13.5	492

475	The Association between Mushroom Consumption and Mild Cognitive Impairment: A Community-Based Cross-Sectional Study in Singapore. <i>Journal of Alzheimer's Disease</i> , 2019 , 68, 197-203	4.3	25
474	Making Sense of Neurodegeneration: A Unifying Hypothesis 2019 , 115-120		1
473	Metabolic stress is a primary pathogenic event in transgenic expressing pan-neuronal human amyloid beta. <i>ELife</i> , 2019 , 8,	8.9	29
472	Celebrating the 60th birthday of BBRC. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 520, 677-678	3.4	0
471	Assessment of diets containing curcumin, epigallocatechin-3-gallate, docosahexaenoic acid and lipoic acid on amyloid load and inflammation in a male transgenic mouse model of Alzheimer's disease: Are combinations more effective?. <i>Neurobiology of Disease</i> , 2019 , 124, 505-519	7.5	25
470	Distribution and accumulation of dietary ergothioneine and its metabolites in mouse tissues. <i>Scientific Reports</i> , 2018 , 8, 1601	4.9	48
469	Reactive Oxygen Species: Radical Factors in the Evolution of Animal Life: A molecular timescale from Earth's earliest history to the rise of complex life. <i>BioEssays</i> , 2018 , 40, 1700158	4.1	47
468	Clonal expansion of mitochondrial DNA deletions is a private mechanism of aging in long-lived animals. <i>Aging Cell</i> , 2018 , 17, e12814	9.9	21
467	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. <i>Free Radical Research</i> , 2018 , 52, 907-909	4	8
466	The proteobacterial species <i>Burkholderia pseudomallei</i> produces ergothioneine, which enhances virulence in mammalian infection. <i>FASEB Journal</i> , 2018 , 32, fj201800716	0.9	10
465	Mini-Review: Oxidative stress, redox stress or redox success?. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 502, 183-186	3.4	100
464	Ergothioneine - a diet-derived antioxidant with therapeutic potential. <i>FEBS Letters</i> , 2018 , 592, 3357-3366	6.8	94
463	A novel vibration-induced exercise paradigm improves fitness and lipid metabolism of <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , 2018 , 8, 9420	4.9	5
462	Identification of a previously undetected metabolic defect in the Complex II <i>Caenorhabditis elegans</i> mev-1 mutant strain using respiratory control analysis. <i>Biogerontology</i> , 2017 , 18, 189-200	4.5	11
461	Administration of Pure Ergothioneine to Healthy Human Subjects: Uptake, Metabolism, and Effects on Biomarkers of Oxidative Damage and Inflammation. <i>Antioxidants and Redox Signaling</i> , 2017 , 26, 193-208	8.4	67
460	Approaches for extending human healthspan: from antioxidants to healthspan pharmacology. <i>Essays in Biochemistry</i> , 2017 , 61, 389-399	7.6	9
459	Energy crisis precedes global metabolic failure in a novel <i>Caenorhabditis elegans</i> Alzheimer Disease model. <i>Scientific Reports</i> , 2016 , 6, 33781	4.9	39
458	Ergothioneine levels in an elderly population decrease with age and incidence of cognitive decline; a risk factor for neurodegeneration?. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 478, 162-167	3.4	51

457	Liver ergothioneine accumulation in a guinea pig model of non-alcoholic fatty liver disease. A possible mechanism of defence?. <i>Free Radical Research</i> , 2016 , 50, 14-25	4	29
456	Ergothioneine, an adaptive antioxidant for the protection of injured tissues? A hypothesis. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 470, 245-250	3-4	63
455	Context-Dependent Role of Mitochondrial Fusion-Fission in Clonal Expansion of mtDNA Mutations. <i>PLoS Computational Biology</i> , 2015 , 11, e1004183	5	31
454	Metabolic signatures of renal cell carcinoma. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 460, 938-43	3-4	13
453	Free Radicals and Other Reactive Species in Disease 2015 , 1-9		31
452	Are mutagenic non D-loop direct repeat motifs in mitochondrial DNA under a negative selection pressure?. <i>Nucleic Acids Research</i> , 2015 , 43, 4098-108	20.1	5
451	Caenorhabditis elegans: What We Can and Cannot Learn from Aging Worms. <i>Antioxidants and Redox Signaling</i> , 2015 , 23, 256-79	8.4	33
450	Free Radicals in Biology and Medicine 2015 ,		945
449	Effects of lithium on age-related decline in mitochondrial turnover and function in Caenorhabditis elegans. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014 , 69, 810-20	6.4	33
448	Variability in APOE genotype status in human-derived cell lines: a cause for concern in cell culture studies?. <i>Genes and Nutrition</i> , 2014 , 9, 364	4.3	7
447	The Mitoflash probe cpYFP does not respond to superoxide. <i>Nature</i> , 2014 , 514, E12-4	50.4	103
446	Hydrogen sulfide is an endogenous regulator of aging in Caenorhabditis elegans. <i>Antioxidants and Redox Signaling</i> , 2014 , 20, 2621-30	8.4	63
445	Does high-dose coenzyme Q10 improve oxidative damage and clinical outcomes in Parkinson disease?. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 211-7	8.4	18
444	The mitochondria-targeted antioxidant MitoQ extends lifespan and improves healthspan of a transgenic Caenorhabditis elegans model of Alzheimer disease. <i>Free Radical Biology and Medicine</i> , 2014 , 71, 390-401	7.8	103
443	Does influenza A infection increase oxidative damage?. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 1025-31	8.1	27
442	Cell culture, oxidative stress, and antioxidants: avoiding pitfalls. <i>Biomedical Journal</i> , 2014 , 37, 99-105	7.1	127
441	Augmentation of 5-lipoxygenase activity and expression during dengue serotype-2 infection. <i>Virology Journal</i> , 2013 , 10, 322	6.1	7
440	High fat diets and pathology in the guinea pig. Atherosclerosis or liver damage?. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 355-64	6.9	29

439	Biomarkers of oxidative damage are elevated among individuals with high cardiovascular risk: refining subject selection strategies for antioxidant trials. <i>Free Radical Research</i> , 2013 , 47, 283-90	4	8
438	Mitochondria-targeted antioxidants and metabolic modulators as pharmacological interventions to slow ageing. <i>Biotechnology Advances</i> , 2013 , 31, 563-92	17.8	93
437	The antioxidant paradox: less paradoxical now?. <i>British Journal of Clinical Pharmacology</i> , 2013 , 75, 637-44	3.8	187
436	An interview with Barry Halliwell. <i>Trends in Pharmacological Sciences</i> , 2013 , 34, 301-2	13.2	1
435	Repression of the mitochondrial peroxiredoxin antioxidant system does not shorten life span but causes reduced fitness in <i>Caenorhabditis elegans</i> . <i>Free Radical Biology and Medicine</i> , 2013 , 63, 381-9	7.8	20
434	A high-fat and cholesterol diet causes fatty liver in guinea pigs. The role of iron and oxidative damage. <i>Free Radical Research</i> , 2013 , 47, 602-13	4	17
433	Knockout of a putative ergothioneine transporter in <i>Caenorhabditis elegans</i> decreases lifespan and increases susceptibility to oxidative damage. <i>Free Radical Research</i> , 2013 , 47, 1036-45	4	26
432	Mathematical modeling of the role of mitochondrial fusion and fission in mitochondrial DNA maintenance. <i>PLoS ONE</i> , 2013 , 8, e76230	3.7	32
431	Free radicals and antioxidants: updating a personal view. <i>Nutrition Reviews</i> , 2012 , 70, 257-65	6.4	496
430	Does iron inhibit calcification during atherosclerosis?. <i>Free Radical Biology and Medicine</i> , 2012 , 53, 1675-9	7.8	21
429	Acute effects of cigarette smoking on insulin resistance and arterial stiffness in young adults. <i>Atherosclerosis</i> , 2012 , 224, 195-200	3.1	30
428	Is mitochondrial DNA turnover slower than commonly assumed?. <i>Biogerontology</i> , 2012 , 13, 557-64	4.5	20
427	Ergothioneine; antioxidant potential, physiological function and role in disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012 , 1822, 784-93	6.9	251
426	The effects of oxaloacetate on hydrogen peroxide generation from ascorbate and epigallocatechin gallate in cell culture media: potential for altering cell metabolism. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 417, 446-50	3.4	19
425	Effects of hydrogen peroxide in a keratinocyte-fibroblast co-culture model of wound healing. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 423, 253-8	3.4	52
424	Effects of hydrogen peroxide on wound healing in mice in relation to oxidative damage. <i>PLoS ONE</i> , 2012 , 7, e49215	3.7	122
423	Do polyphenols enter the brain and does it matter? Some theoretical and practical considerations. <i>Genes and Nutrition</i> , 2012 , 7, 99-109	4.3	130
422	Sustained expression of heme oxygenase-1 alters iron homeostasis in nonerythroid cells. <i>Free Radical Biology and Medicine</i> , 2012 , 53, 366-74	7.8	17

421	Maximizing signal-to-noise ratio in the random mutation capture assay. <i>Nucleic Acids Research</i> , 2012 , 40, e35	20.1	2
420	Role of direct repeat and stem-loop motifs in mtDNA deletions: cause or coincidence?. <i>PLoS ONE</i> , 2012 , 7, e35271	3.7	16
419	Comment on hydroxytyrosol induces proliferation and cytoprotection against oxidative injury in vascular endothelial cells: role of Nrf2 activation and HO-1 induction. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 10770-1	5.7	18
418	Unraveling the biological roles of reactive oxygen species. <i>Cell Metabolism</i> , 2011 , 13, 361-366	24.6	542
417	Artefacts in cell culture: Ketoglutarate can scavenge hydrogen peroxide generated by ascorbate and epigallocatechin gallate in cell culture media. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 406, 20-4	3.4	55
416	Free radicals and antioxidants - quo vadis?. <i>Trends in Pharmacological Sciences</i> , 2011 , 32, 125-30	13.2	447
415	Oral zinc supplementation does not improve oxidative stress or vascular function in patients with type 2 diabetes with normal zinc levels. <i>Atherosclerosis</i> , 2011 , 219, 231-9	3.1	58
414	Mitochondrial changes in ageing <i>Caenorhabditis elegans</i> --what do we learn from superoxide dismutase knockouts?. <i>PLoS ONE</i> , 2011 , 6, e19444	3.7	58
413	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, 1787-93	7.8	113
412	Mechanism of hydrogen peroxide-induced keratinocyte migration in a scratch-wound model. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 884-92	7.8	49
411	The effect of dichloroacetate on health- and lifespan in <i>C. elegans</i> . <i>Biogerontology</i> , 2011 , 12, 195-209	4.5	44
410	Oxidative damage in ischemic stroke revealed using multiple biomarkers. <i>Stroke</i> , 2011 , 42, 2326-9	6.7	52
409	<i>Caenorhabditis elegans</i> life span studies: the challenge of maintaining synchronous cohorts. <i>Rejuvenation Research</i> , 2010 , 13, 347-9	2.6	2
408	Markers of oxidative damage are not elevated in otherwise healthy individuals with the metabolic syndrome. <i>Diabetes Care</i> , 2010 , 33, 1140-2	14.6	27
407	Is uric acid protective or deleterious in acute ischemic stroke? A prospective cohort study. <i>Atherosclerosis</i> , 2010 , 209, 215-9	3.1	61
406	Does radiotherapy increase oxidative stress? A study with nasopharyngeal cancer patients revealing anomalies in isoprostanes measurements. <i>Free Radical Research</i> , 2010 , 44, 1064-71	4	10
405	The National University of Singapore and what it does. <i>Biointerphases</i> , 2010 , 5, FA15-8	1.8	
404	Antioxidants: Molecules, medicines, and myths. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 393, 561-4	3.4	265

403	Medicinal plants and antioxidants: what do we learn from cell culture and <i>Caenorhabditis elegans</i> studies?. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 394, 1-5	3.4	58
402	Instability of, and generation of hydrogen peroxide by, phenolic compounds in cell culture media. <i>Archives of Biochemistry and Biophysics</i> , 2010 , 501, 162-9	4.1	117
401	Using isoprostanes as biomarkers of oxidative stress: some rarely considered issues. <i>Antioxidants and Redox Signaling</i> , 2010 , 13, 145-56	8.4	149
400	Ageing in nematodes: do antioxidants extend lifespan in <i>Caenorhabditis elegans</i> ?. <i>Biogerontology</i> , 2010 , 11, 17-30	4.5	86
399	Oxidative damage in Parkinson disease: Measurement using accurate biomarkers. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 560-6	7.8	179
398	Allantoin in human plasma, serum, and nasal-lining fluids as a biomarker of oxidative stress: avoiding artifacts and establishing real in vivo concentrations. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 1767-76	8.4	40
397	Stochastic drift in mitochondrial DNA point mutations: a novel perspective ex silico. <i>PLoS Computational Biology</i> , 2009 , 5, e1000572	5	30
396	A metabolite profiling approach to identify biomarkers of flavonoid intake in humans. <i>Journal of Nutrition</i> , 2009 , 139, 2309-14	4.1	60
395	Deceptively simple but simply deceptive-- <i>Caenorhabditis elegans</i> lifespan studies: considerations for aging and antioxidant effects. <i>FEBS Letters</i> , 2009 , 583, 3377-87	3.8	84
394	The wanderings of a free radical. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 531-42	7.8	339
393	Oxidative damage in dengue fever. <i>Free Radical Biology and Medicine</i> , 2009 , 47, 375-80	7.8	51
392	Different patterns of oxidized lipid products in plasma and urine of dengue fever, stroke, and Parkinson disease patients: cautions in the use of biomarkers of oxidative stress. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 407-20	8.4	79
391	<i>Notopterygium forbesii</i> Boiss extract and its active constituent phenethyl ferulate attenuate pro-inflammatory responses to lipopolysaccharide in RAW 264.7 macrophages. A "protective" role for oxidative stress?. <i>Chemical Research in Toxicology</i> , 2009 , 22, 1473-82	4	13
390	A novel approach to the identification and quantitative elemental analysis of amyloid deposits--insights into the pathology of Alzheimer disease. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 382, 91-5	3.4	88
389	Artefacts in cell culture: pyruvate as a scavenger of hydrogen peroxide generated by ascorbate or epigallocatechin gallate in cell culture media. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 388, 700-4	3.4	86
388	Limited antioxidant effect after consumption of a single dose of tomato sauce by young males, despite a rise in plasma lycopene. <i>Free Radical Research</i> , 2009 , 43, 622-8	4	19
387	Elevated oxidative stress, iron accumulation around microvessels and increased 4-hydroxynonenal immunostaining in zone 1 of the liver acinus in hypercholesterolemic rabbits. <i>Free Radical Research</i> , 2009 , 43, 241-9	4	19
386	Nuclear microscopy: a novel technique for quantitative imaging of gadolinium distribution within tissue sections. <i>Microscopy and Microanalysis</i> , 2009 , 15, 338-44	0.5	4

385	Human skin keloid fibroblasts display bioenergetics of cancer cells. <i>Journal of Investigative Dermatology</i> , 2008 , 128, 702-9	4.3	94
384	Measurement of F2-isoprostanes, hydroxyecosatetraenoic products, and oxysterols from a single plasma sample. <i>Free Radical Biology and Medicine</i> , 2008 , 44, 1314-22	7.8	77
383	Are polyphenols antioxidants or pro-oxidants? What do we learn from cell culture and in vivo studies?. <i>Archives of Biochemistry and Biophysics</i> , 2008 , 476, 107-12	4.1	547
382	Nephrotoxic cell death by diclofenac and meloxicam. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 369, 873-7	3.4	32
381	Notopterygium forbesii boiss extract and its active constituents increase reactive species and heme oxygenase-1 in human fetal hepatocytes: mechanisms of action. <i>Chemical Research in Toxicology</i> , 2008 , 21, 2414-23	4	15
380	Lack of effect of acute oral ingestion of vitamin C on oxidative stress, arterial stiffness or blood pressure in healthy subjects. <i>Free Radical Research</i> , 2008 , 42, 514-22	4	29
379	The mitochondrial free radical theory of ageing--where do we stand?. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 6554-79	2.8	122
378	Dietary polyphenols: good, bad, or indifferent for your health?. <i>Cardiovascular Research</i> , 2007 , 73, 341-7	9.9	348
377	Nuclear microscopy measurement of copper in atherosclerosis [Sensitivity and limitations to spatial resolution. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007 , 260, 136-140	1.2	6
376	Nuclear microprobe investigation into the trace elemental contents of carotid artery walls of apolipoprotein E deficient mice. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007 , 260, 240-244	1.2	6
375	Zinc supplementation inhibits lipid peroxidation and the development of atherosclerosis in rabbits fed a high cholesterol diet. <i>Free Radical Biology and Medicine</i> , 2007 , 42, 559-66	7.8	68
374	Elevated F2-isoprostanes in thalassemic patients. <i>Free Radical Biology and Medicine</i> , 2007 , 43, 1649-55	7.8	15
373	Psoralea corylifolia L. inhibits mitochondrial complex I and proteasome activities in SH-SY5Y cells. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1100, 486-96	6.5	16
372	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, 530-42	6.5	127
371	Oxidative stress and cancer: have we moved forward?. <i>Biochemical Journal</i> , 2007 , 401, 1-11	3.8	953
370	The identification of antioxidants in dark soy sauce. <i>Free Radical Research</i> , 2007 , 41, 479-88	4	49
369	Deciphering the mechanism of HNE-induced apoptosis in cultured murine cortical neurons: transcriptional responses and cellular pathways. <i>Neuropharmacology</i> , 2007 , 53, 687-98	5.5	19
368	Promotion of atherogenesis by copper or iron--which is more likely?. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 353, 6-10	3.4	12

367	Different cytotoxic and clastogenic effects of epigallocatechin gallate in various cell-culture media due to variable rates of its oxidation in the culture medium. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2007 , 634, 177-83	3	59
366	Biochemistry of oxidative stress. <i>Biochemical Society Transactions</i> , 2007 , 35, 1147-50	5.1	904
365	Flavonoids: a re-run of the carotenoids story?. <i>Novartis Foundation Symposium</i> , 2007 , 282, 93-101; discussion 101-4, 212-8		16
364	Potential artifacts in the measurement of DNA deamination. <i>Free Radical Biology and Medicine</i> , 2006 , 40, 1939-48	7.8	22
363	Zinc supplementation decreases the development of atherosclerosis in rabbits. <i>Free Radical Biology and Medicine</i> , 2006 , 41, 222-5	7.8	39
362	Phagocyte-derived reactive species: salvation or suicide?. <i>Trends in Biochemical Sciences</i> , 2006 , 31, 509-15	10.3	153
361	Polyphenols: antioxidant treats for healthy living or covert toxins?. <i>Journal of the Science of Food and Agriculture</i> , 2006 , 86, 1992-1995	4.3	32
360	Hydrogen sulfide is a mediator of cerebral ischemic damage. <i>Stroke</i> , 2006 , 37, 889-93	6.7	232
359	Reactive species and antioxidants. Redox biology is a fundamental theme of aerobic life. <i>Plant Physiology</i> , 2006 , 141, 312-22	6.6	1475
358	Proteasomal dysfunction: a common feature of neurodegenerative diseases? Implications for the environmental origins of neurodegeneration. <i>Antioxidants and Redox Signaling</i> , 2006 , 8, 2007-19	8.4	32
357	Cautions in the use of biomarkers of oxidative damage; the vascular and antioxidant effects of dark soy sauce in humans. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 344, 906-11	3.4	43
356	Action of diclofenac on kidney mitochondria and cells. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 348, 494-500	3.4	27
355	Free Radicals in Biochemistry and Medicine 2006 ,		12
354	High plasma cyst(e)ine level may indicate poor clinical outcome in patients with acute stroke: possible involvement of hydrogen sulfide. <i>Journal of Neuropathology and Experimental Neurology</i> , 2006 , 65, 109-15	3.1	43
353	Oxidative stress and neurodegeneration: where are we now?. <i>Journal of Neurochemistry</i> , 2006 , 97, 1634-68		1871
352	Chronic exposure to U18666A is associated with oxidative stress in cultured murine cortical neurons. <i>Journal of Neurochemistry</i> , 2006 , 98, 1278-89	6	31
351	Quantitative gas chromatography mass spectrometric analysis of 2-Deoxyinosine in tissue DNA. <i>Nature Protocols</i> , 2006 , 1, 1995-2002	18.8	9
350	The Proteasome: Source and a Target of Oxidative Stress? 2006 , 85-103		

349	Free Radicals and Other Reactive Species in Disease 2005 ,		36
348	Human fecal water inhibits COX-2 in colonic HT-29 cells: role of phenolic compounds. <i>Journal of Nutrition</i> , 2005 , 135, 2343-9	4.1	71
347	Health promotion by flavonoids, tocopherols, tocotrienols, and other phenols: direct or indirect effects? Antioxidant or not?. <i>American Journal of Clinical Nutrition</i> , 2005 , 81, 268S-276S	7	511
346	Nuclear microscopy of diffuse plaques in the brains of transgenic mice. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 231, 326-332	1.2	4
345	Oxidative damage in mitochondrial DNA is not extensive. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1042, 210-20	6.5	34
344	Proteasome inhibition by lactacystin in primary neuronal cells induces both potentially neuroprotective and pro-apoptotic transcriptional responses: a microarray analysis. <i>Journal of Neurochemistry</i> , 2005 , 94, 943-56	6	88
343	Human fecal water content of phenolics: the extent of colonic exposure to aromatic compounds. <i>Free Radical Biology and Medicine</i> , 2005 , 38, 763-72	7.8	195
342	The iron chelator desferrioxamine inhibits atherosclerotic lesion development and decreases lesion iron concentrations in the cholesterol-fed rabbit. <i>Free Radical Biology and Medicine</i> , 2005 , 38, 1206-11	7.8	78
341	Hypochlorous acid-mediated mitochondrial dysfunction and apoptosis in human hepatoma HepG2 and human fetal liver cells: role of mitochondrial permeability transition. <i>Free Radical Biology and Medicine</i> , 2005 , 38, 1571-84	7.8	92
340	Effect of overexpression of wild-type or mutant parkin on the cellular response induced by toxic insults. <i>Journal of Neuroscience Research</i> , 2005 , 82, 232-44	4.4	41
339	Establishing biomarkers of oxidative stress: the measurement of hydrogen peroxide in human urine. <i>Current Medicinal Chemistry</i> , 2004 , 11, 1085-92	4.3	75
338	Do mitochondria make nitric oxide? no?. <i>Free Radical Research</i> , 2004 , 38, 591-9	4	34
337	Peroxynitrite mediates calcium-dependent mitochondrial dysfunction and cell death via activation of calpains. <i>FASEB Journal</i> , 2004 , 18, 1395-7	0.9	87
336	A mechanism of sulfite neurotoxicity: direct inhibition of glutamate dehydrogenase. <i>Journal of Biological Chemistry</i> , 2004 , 279, 43035-45	5.4	100
335	A high-throughput and sensitive methodology for the quantification of urinary 8-hydroxy-2'-deoxyguanosine: measurement with gas chromatography-mass spectrometry after single solid-phase extraction. <i>Biochemical Journal</i> , 2004 , 380, 541-8	3.8	85
334	Interference with ubiquitination causes oxidative damage and increased protein nitration: implications for neurodegenerative diseases. <i>Journal of Neurochemistry</i> , 2004 , 90, 422-30	6	30
333	The novel neuromodulator hydrogen sulfide: an endogenous peroxynitrite scavenger. <i>Journal of Neurochemistry</i> , 2004 , 90, 765-8	6	496
332	Sulfite-mediated oxidative stress in kidney cells. <i>Kidney International</i> , 2004 , 65, 393-402	9.9	44

331	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, 231-55	8.6	1539
330	Increased iron staining in the cerebral cortex of cholesterol fed rabbits. <i>Mechanisms of Ageing and Development</i> , 2004 , 125, 305-13	5.6	17
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6	Oxidation of formate by peroxisomes and mitochondria from spinach leaves. <i>Biochemical Journal</i> , 1974 , 138, 77-85	3.8	64
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