Ronald P Mason

List of Publications by Year
in descending order

413 papers	23,283 citations	5574 82 h-index	16183 124 g-index
413 all docs	413 docs citations	413 times ranked	19088 citing authors

#	Article	IF	Citations
1	Immuno-spin trapping of macromolecules free radicals in vitro and in vivo â€“ One stop shopping for free radical detection. Free Radical Biology and Medicine, 2019, 131, 318-331.	2.9	21
2	Switch of Mitochondrial Superoxide Dismutase into a Prooxidant Peroxidase in Manganese-Deficient Cells and Mice. Cell Chemical Biology, 2018, 25, 413-425.e6.	5.2	36
3	Sulfite-induced protein radical formation in LPS aerosol-challenged mice: Implications for sulfite sensitivity in human lung disease. Redox Biology, 2018, 15, 327-334.	9.0	19
4	Elevated plasma 8-iso-prostaglandin F2Î± levels in human smokers originate primarily from enzymatic instead of non-enzymatic lipid peroxidation. Free Radical Biology and Medicine, 2018, 115, 105-112.	2.9	12
5	Nitric oxide reverses drug resistance by inhibiting ATPase activity of p-glycoprotein in human multi-drug resistant cancer cells. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2806-2814.	2.4	30
6	Classifying oxidative stress by F2-isoprostane levels across human diseases: A meta-analysis. Redox Biology, 2017, 12, 582-599.	9.0	134
7	Fluorescent proteins such as eGFP lead to catalytic oxidative stress in cells. Redox Biology, 2017, 12, 462-468.	9.0	86
8	Synergistic enhancement of topotecan-induced cell death by ascorbic acid in human breast MCF-7 tumor cells. Free Radical Biology and Medicine, 2017, 113, 406-412.	2.9	16
9	Nitric oxide inhibits ATPase activity and induces resistance to topoisomerase II-poisons in human MCF-7 breast tumor cells. Biochemistry and Biophysics Reports, 2017, 10, 252-259.	1.3	8
10	Nitric oxide inhibits topoisomerase II activity and induces resistance to topoisomerase II-poisons in human tumor cells. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1519-1527.	2.4	20
11	Role of cytochrome c in Î±-synuclein radical formation: implications of Î±-synuclein in neuronal death in Maneb- and paraquat-induced model of Parkinsonâ€™s disease. Molecular Neurodegeneration, 2016, 11, 70.	10.8	45
12	Formation and Implications of Alpha-Synuclein Radical in Maneb- and Paraquat-Induced Models of Parkinsonâ€™s Disease. Molecular Neurobiology, 2016, 53, 2983-2994.	4.0	46
13	Reinterpreting the best biomarker of oxidative stress: The 8-iso-prostaglandin F2Î±/prostaglandin F2Î± ratio shows complex origins of lipid peroxidation biomarkers in animal models. Free Radical Biology and Medicine, 2016, 95, 65-73.	2.9	56
14	Is Metabolic Activation of Topoisomerase II Poisons Important In The Mechanism Of Cytotoxicity?. Journal of Drug Metabolism & Toxicology, 2015, 06, .	0.1	17
15	In vivotargeted molecular magnetic resonance imaging of free radicals in diabetic cardiomyopathy within mice. Free Radical Research, 2015, 49, 1140-1146.	3.3	15
16	Biomarkers of oxidative stress study VI. Endogenous plasma antioxidants fail as useful biomarkers of endotoxin-induced oxidative stress. Free Radical Biology and Medicine, 2015, 81, 100-106.	2.9	31
17	Redox regulation of <scp>NF</scp>â€ºB p50 and M1 polarization in microglia. Glia, 2015, 63, 423-440.	4.9	109
18	Spin trapping combined with quantitative mass spectrometry defines free radical redistribution within the oxidized hemoglobin:haptoglobin complex. Free Radical Biology and Medicine, 2015, 85, 259-268.	2.9	18

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19	Reinterpreting the best biomarker of oxidative stress: The 8-iso-PGF2Î±/PGF2Î± ratio distinguishes chemical from enzymatic lipid peroxidation. Free Radical Biology and Medicine, 2015, 83, 245-251.	2.9	88
20	Iron incorporation into MnSOD A (bacterial Mn-dependent superoxide dismutase) leads to the formation of a peroxidase/catalase implicated in oxidative damage to bacteria. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 1795-1805.	2.4	20
21	Tripping up Trp: Modification of protein tryptophan residues by reactive oxygen species, modes of detection, and biological consequences. Free Radical Biology and Medicine, 2015, 89, 220-228.	2.9	112
22	OKN-007 decreases free radical levels in a preclinical F98 rat glioma model. Free Radical Biology and Medicine, 2015, 87, 157-168.	2.9	19
23	Loss of NOX-Derived Superoxide Exacerbates Diabetogenic CD4 T-Cell Effector Responses in Type 1 Diabetes. Diabetes, 2015, 64, 4171-4183.	0.6	18
24	Free radical generation from an aniline derivative in HepG2 cells: A possible captodative effect. Free Radical Biology and Medicine, 2015, 78, 111-117.	2.9	2
25	Nitric Oxide Down-Regulates Topoisomerase I and Induces Camptothecin Resistance in Human Breast MCF-7 Tumor Cells. PLoS ONE, 2015, 10, e0141897.	2.5	19
26	Biotransformation of Hydrazine Dervatives in the Mechanism of Toxicity. Journal of Drug Metabolism & Toxicology, 2014, 05, .	0.1	14
27	Investigating free radical generation in HepG2 cells using immuno-spin trapping. Free Radical Biology and Medicine, 2014, 75, S33.	2.9	2
28	Absence of an effect of vitamin E on protein and lipid radical formation during lipoperoxidation of LDL by lipoxygenase. Free Radical Biology and Medicine, 2014, 76, 61-68.	2.9	13
29	DNA Cleavage and Detection of DNA Radicals Formed from Hydralazine and Copper (II) by ESR and Immuno-Spin Trapping. Chemical Research in Toxicology, 2014, 27, 674-682.	3.3	17
30	Free Radical Metabolism of Methyleugenol and Related Compounds. Chemical Research in Toxicology, 2014, 27, 483-489.	3.3	8
31	Inducible nitric oxide synthase is key to peroxynitrite-mediated, LPS-induced protein radical formation in murine microglial BV2 cells. Free Radical Biology and Medicine, 2014, 73, 51-59.	2.9	73
32	Oxidation of Î±-lactalbumin after a lactoperoxidase-catalysed reaction: An oxidomics approach applying immuno-spin trapping and mass spectrometry. International Dairy Journal, 2014, 38, 154-159.	3.0	2
33	ESR evidence for in vivo formation of free radicals in tissue of mice exposed to single-walled carbon nanotubes. Free Radical Biology and Medicine, 2014, 73, 154-165.	2.9	27
34	Immuno-spin trapping from biochemistry to medicine: Advances, challenges, and pitfalls. Focus on protein-centered radicals. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 722-729.	2.4	39
35	Role of Nitric Oxide in the Chemistry and Anticancer Activity of Etoposide (VP-16,213). Chemical Research in Toxicology, 2013, 26, 379-387.	3.3	18
36	Photooxidation of Amplex Red to Resorufin. Methods in Enzymology, 2013, 526, 1-17.	1.0	32

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37	Effect of Nitric Oxide on the Anticancer Activity of the Topoisomerase-Active Drugs Etoposide and Adriamycin in Human Melanoma Cells. Journal of Pharmacology and Experimental Therapeutics, 2013, 347, 607-614.	2.5	20
38	Biomarkers of oxidative stress study V: Ozone exposure of rats and its effect on lipids, proteins, and DNA in plasma and urine. Free Radical Biology and Medicine, 2013, 61, 408-415.	2.9	47
39	Proinflammatory adipokine leptin mediates disinfection byproduct bromodichloromethane-induced early steatohepatitic injury in obesity. Toxicology and Applied Pharmacology, 2013, 269, 297-306.	2.8	31
40	Sulfite-mediated oxidation of myeloperoxidase to a free radical: Immuno-spin trapping detection in human neutrophils. Free Radical Biology and Medicine, 2013, 60, 98-106.	2.9	37
41	In vivo detection of free radicals in mouse septic encephalopathy using molecular MRI and immuno-spin trapping. Free Radical Biology and Medicine, 2013, 65, 828-837.	2.9	26
42	Combined molecular MRI and immuno-spin-trapping for in vivo detection of free radicals in orthotopic mouse GL261 gliomas. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 2153-2161.	3.8	22
43	The specific interaction of the photosensitizer methylene blue with acetylcholinesterase provides a model system for studying the molecular consequences of photodynamic therapy. Chemico-Biological Interactions, 2013, 203, 63-66.	4.0	4
44	Site-Specific Detection of Radicals on Î±-Lactalbumin after a Riboflavin-Sensitized Reaction, Detected by Immuno-spin Trapping, ESR, and MS. Journal of Agricultural and Food Chemistry, 2013, 61, 418-426.	5.2	14
45	Development of immunoblotting techniques for DNA radical detection. Free Radical Biology and Medicine, 2013, 56, 64-71.	2.9	9
46	The peroxidase activity of mitochondrial superoxide dismutase. Free Radical Biology and Medicine, 2013, 54, 116-124.	2.9	55
47	Immuno-spin trapping of heme-induced protein radicals: Implications for heme oxygenase-1 induction and heme degradation. Free Radical Biology and Medicine, 2013, 61, 265-272.	2.9	9
48	Two hypotheses for the peroxidase activity of Mn-superoxide dismutase. Free Radical Biology and Medicine, 2013, 65, 1533.	2.9	3
49	Investigation of spin-trapping artifacts formed by the Forrester-Hepburn mechanism. Free Radical Biology and Medicine, 2013, 65, 1497-1505.	2.9	24
50	Leptin is key to peroxynitrite-mediated oxidative stress and Kupffer cell activation in experimental non-alcoholic steatohepatitis. Journal of Hepatology, 2013, 58, 778-784.	3.7	113
51	Acetaminophen-induced acute liver injury in HCV transgenic mice. Toxicology and Applied Pharmacology, 2013, 266, 224-232.	2.8	10
52	Hypericin-mediated photooxidative damage of Î±-crystallin in human lens epithelial cells. Free Radical Biology and Medicine, 2013, 60, 347-354.	2.9	16
53	In vivo detection of free radicals using molecular MRI and immuno-spin trapping in a mouse model for amyotrophic lateral sclerosis. Free Radical Biology and Medicine, 2013, 63, 351-360.	2.9	34
54	Catalase has a key role in protecting cells from the genotoxic effects of monomethylarsonous acid: A highly active metabolite of arsenic. Environmental and Molecular Mutagenesis, 2013, 54, 317-326.	2.2	8

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55	Detection and imaging of the free radical DNA in cells--Site-specific radical formation induced by Fenton chemistry and its repair in cellular DNA as seen by electron spin resonance, immuno-spin trapping and confocal microscopy. Nucleic Acids Research, 2012, 40, 5477-5486.	14.5	19
56	Targeted oxidation of Torpedo californica acetylcholinesterase by singlet oxygen: identification of N-formylkynurenine tryptophan derivatives within the active-site gorge of its complex with the photosensitizer Methylene Blue. Biochemical Journal, 2012, 448, 83-91.	3.7	9
57	Photooxidation of Amplex red to resorufin: Implications of exposing the Amplex red assay to light. Free Radical Biology and Medicine, 2012, 53, 1080-1087.	2.9	151
58	Two hypotheses for the oxidation of SOD1-Cu(I). Free Radical Biology and Medicine, 2012, 53, 1991-1992.	2.9	1
59	Detection of Ras GTPase protein radicals through immuno-spin trapping. Free Radical Biology and Medicine, 2012, 53, 1339-1345.	2.9	10
60	In Vivo Imaging of Immuno-Spin Trapped Radicals With Molecular Magnetic Resonance Imaging in a Diabetic Mouse Model. Diabetes, 2012, 61, 2405-2413.	0.6	35
61	In vivoevidence of free radical generation in the mouse lung after exposure to Pseudomonas aeruginosa bacterium: An ESR spin-trapping investigation. Free Radical Research, 2012, 46, 645-655.	3.3	7
62	Ceruloplasmin (ferroxidase) oxidizes hydroxylamine probes: Deceptive implications for free radical detection. Free Radical Biology and Medicine, 2012, 53, 1514-1521.	2.9	19
63	Kinetics of the oxidation of reduced Cu,Zn-superoxide dismutase by peroxymonocarbonate. Free Radical Biology and Medicine, 2012, 53, 589-594.	2.9	14
64	Phototoxicity of nano titanium dioxides in HaCaT keratinocytesâ€"Generation of reactive oxygen species and cell damage. Toxicology and Applied Pharmacology, 2012, 263, 81-88.	2.8	205
65	Nitroglycerin drives endothelial nitric oxide synthase activation via the phosphatidylinositol 3-kinase/protein kinase B pathway. Free Radical Biology and Medicine, 2012, 52, 427-435.	2.9	24
66	Formation of reactive sulfite-derived free radicals by the activation of human neutrophils: An ESR study. Free Radical Biology and Medicine, 2012, 52, 1264-1271.	2.9	105
67	P2X7 receptor-NADPH oxidase axis mediates protein radical formation and Kupffer cell activation in carbon tetrachloride-mediated steatohepatitis in obese mice. Free Radical Biology and Medicine, 2012, 52, 1666-1679.	2.9	48
68	Obesity-induced tissue free radical generation: An in vivo immuno-spin trapping study. Free Radical Biology and Medicine, 2012, 52, 2312-2319.	2.9	29
69	Free radical-operated proteotoxic stress in macrophages primed with lipopolysaccharide. Free Radical Biology and Medicine, 2012, 53, 172-181.	2.9	27
70	Evaluation of the Forresterâ€"Hepburn Mechanism As an Artifact Source in ESR Spin-Trapping. Chemical Research in Toxicology, 2011, 24, 2217-2226.	3.3	36
71	Simplified Synthesis of Isotopically Labeled 5,5-Dimethyl-pyrroline N-Oxide. Molecules, 2011, 16, 8428-8436.	3.8	1
72	Immunological Detection of Nâ€formylkynurenine in Porphyrinâ€Mediated Photooxided Lens Î±â€crystallin. Photochemistry and Photobiology, 2011, 87, 1321-1329.	2.5	15

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73	Arsenic transformation predisposes human skin keratinocytes to UV-induced DNA damage yet enhances their survival apparently by diminishing oxidant response. Toxicology and Applied Pharmacology, 2011, 255, 242-250.	2.8	24
74	NOS-1-derived NO is an essential triggering signal for the development of systemic inflammatory responses. European Journal of Pharmacology, 2011, 668, 285-292.	3.5	19
75	Oxidative stress induces protein and DNA radical formation in follicular dendritic cells of the germinal center and modulates its cell death patterns in late sepsis. Free Radical Biology and Medicine, 2011, 50, 988-999.	2.9	28
76	Site-specific radical formation in DNA induced by Cu(II)â€“H2O2 oxidizing system, using ESR, immuno-spin trapping, LC-MS, and MS/MS. Free Radical Biology and Medicine, 2011, 50, 1536-1545.	2.9	38
77	Studies on the photosensitized reduction of resorufin and implications for the detection of oxidative stress with Amplex Red. Free Radical Biology and Medicine, 2011, 51, 153-159.	2.9	57
78	Myoglobin-H2O2 catalyzes the oxidation of Î²-ketoacids to Î±-dicarbonyls: Mechanism and implications in ketosis. Free Radical Biology and Medicine, 2011, 51, 733-743.	2.9	8
79	Biomarkers of Oxidative Stress Study IV: Ozone exposure of rats and its effect on antioxidants in plasma and bronchoalveolar lavage fluid. Free Radical Biology and Medicine, 2011, 51, 1636-1642.	2.9	25
80	The fidelity of spin trapping with DMPO in biological systems. Magnetic Resonance in Chemistry, 2011, 49, 152-158.	1.9	79
81	Reduction of ciclosporin and tacrolimus nephrotoxicity by plant polyphenolsâ€. Journal of Pharmacy and Pharmacology, 2010, 58, 1533-1543.	2.4	23
82	Partial Colocalization of Oxidized, Nâ€formylkynurenineâ€containing Proteins in Mitochondria and Golgi of Keratinocytes^{â€}. Photochemistry and Photobiology, 2010, 86, 752-756.	2.5	6
83	Myeloperoxidase-induced Genomic DNA-centered Radicals. Journal of Biological Chemistry, 2010, 285, 20062-20071.	3.4	75
84	Protein Radical Formation Resulting from Eosinophil Peroxidase-catalyzed Oxidation of Sulfite. Journal of Biological Chemistry, 2010, 285, 24195-24205.	3.4	53
85	(Bi)sulfite Oxidation by Copper,Zinc-Superoxide Dismutase: Sulfite-Derived, Radical-Initiated Protein Radical Formation. Environmental Health Perspectives, 2010, 118, 970-975.	6.0	48
86	Biotinylated Analogue of the Spin-Trap 5,5-Dimethyl-1-pyrroline-N-oxide for the Detection of Low-Abundance Protein Radicals by Mass Spectrometry. Analytical Chemistry, 2010, 82, 9155-9158.	6.5	8
87	Investigating the Mechanisms of Aromatic Amine-Induced Protein Free Radical Formation by Quantitative Structureâ"Activity Relationships: Implications for Drug-Induced Agranulocytosis. Chemical Research in Toxicology, 2010, 23, 880-887.	3.3	10
88	Site-Specific Carboxypeptidase B1 Tyrosine Nitration and Pathophysiological Implications following Its Physical Association with Nitric Oxide Synthase-3 in Experimental Sepsis. Journal of Immunology, 2009, 183, 4055-4066.	0.8	27
89	Requirement of Arsenic Biomethylation for Oxidative DNA Damage. Journal of the National Cancer Institute, 2009, 101, 1670-1681.	6.3	110
90	Free radical production from the interaction of 2-chloroethyl vesicants (mustard gas) with pyridine nucleotide-driven flavoprotein electron transport systems. Toxicology and Applied Pharmacology, 2009, 234, 128-134.	2.8	26

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91	Immuno-spin trapping of a post-translational carboxypeptidase B1 radical formed by a dual role of xanthine oxidase and endothelial nitric oxide synthase in acute septic mice. Free Radical Biology and Medicine, 2009, 46, 454-461.	2.9	32
92	Immuno-spin trapping of protein and DNA radicals: â€œTaggingâ€•free radicals to locate and understand the redox process. Free Radical Biology and Medicine, 2009, 46, 853-865.	2.9	56
93	Immunological detection of N-formylkynurenine in oxidized proteins. Free Radical Biology and Medicine, 2009, 46, 1260-1266.	2.9	51
94	New insights into the detection of sulfur trioxide anion radical by spin trapping: radical trapping versus nucleophilic addition. Free Radical Biology and Medicine, 2009, 47, 128-134.	2.9	33
95	Lipid-derived free radical production in superantigen-induced interstitial pneumonia. Free Radical Biology and Medicine, 2009, 47, 241-249.	2.9	8
96	Spin Scavenging Analysis of Myoglobin Protein-Centered Radicals Using Stable Nitroxide Radicals: Characterization of Oxoammonium Cation-Induced Modifications. Chemical Research in Toxicology, 2009, 22, 1034-1049.	3.3	20
97	Glucose promotes membrane cholesterol crystalline domain formation by lipid peroxidation. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1398-1403.	2.6	31
98	Direct Magnetic Resonance Evidence for Peroxymonocarbonate Involvement in the Cu,Zn-Superoxide Dismutase Peroxidase Catalytic Cycle. Journal of Biological Chemistry, 2009, 284, 14618-14627.	3.4	23
99	Cu,Zn-superoxide dismutase-driven free radical modifications: copper- and carbonate radical anion-initiated protein radical chemistry. Biochemical Journal, 2009, 417, 341-353.	3.7	39
100	Identifying the site of spin trapping in proteins by a combination of liquid chromatography, ELISA, and off-line tandem mass spectrometry. Free Radical Biology and Medicine, 2008, 44, 893-906.	2.9	28
101	Cadmium generates reactive oxygen- and carbon-centered radical species in rats: Insights from in vivo spin-trapping studies. Free Radical Biology and Medicine, 2008, 45, 475-481.	2.9	67
102	Involvement of inducible nitric oxide synthase in hydroxyl radical-mediated lipid peroxidation in streptozotocin-induced diabetes. Free Radical Biology and Medicine, 2008, 45, 866-874.	2.9	73
103	<scp>l</scp>-Tryptophan Radical Cation Electron Spin Resonance Studies: Connecting Solution-Derived Hyperfine Coupling Constants with Protein Spectral Interpretations. Journal of the American Chemical Society, 2008, 130, 6381-6387.	13.7	37
104	Identification of Protein Radicals Formed in the Human Neuroglobinâ^'H₂O₂ Reaction Using Immuno-Spin Trapping and Mass Spectrometry. Biochemistry, 2008, 47, 10440-10448.	2.5	36
105	Mitochondrial Dysfunction in SOD1^{G93A}-Bearing Astrocytes Promotes Motor Neuron Degeneration: Prevention by Mitochondrial-Targeted Antioxidants. Journal of Neuroscience, 2008, 28, 4115-4122.	3.6	285
106	Spin Trapping Investigation of Peroxide- and Isoniazid-Induced Radicals in Mycobacterium tuberculosis Catalase-Peroxidase. Biochemistry, 2008, 47, 11377-11385.	2.5	32
107	Procainamide, but notN-Acetylprocainamide, Induces Protein Free Radical Formation on Myeloperoxidase: A Potential Mechanism of Agranulocytosis. Chemical Research in Toxicology, 2008, 21, 1143-1153.	3.3	22
108	Constitutive nitric oxide synthase activation is a significant route for nitroglycerin-mediated vasodilation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8569-8574.	7.1	37

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109	Ischemic Preconditioning Prevents Free Radical Production and Mitochondrial Depolarization in Small-for-Size Rat Liver Grafts. Transplantation, 2008, 85, 1322-1331.	1.0	35
110	Direct evidence of iNOS-mediated in vivo free radical production and protein oxidation in acetone-induced ketosis. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E456-E462.	3.5	31
111	Aminoglutethimide-Induced Protein Free Radical Formation on Myeloperoxidase:â€‰ A Potential Mechanism of Agranulocytosis. Chemical Research in Toxicology, 2007, 20, 1038-1045.	3.3	32
112	Top-Down and Bottom-Up Mass Spectrometric Characterization of Human Myoglobin-Centered Free Radicals Induced by Oxidative Damage. Analytical Chemistry, 2007, 79, 6236-6248.	6.5	24
113	Electron Transfer between a Tyrosyl Radical and a Cysteine Residue in Hemoproteins:Â Spin Trapping Analysis. Journal of the American Chemical Society, 2007, 129, 13493-13501.	13.7	62
114	Immuno-spin trapping analyses of DNA radicals. Nature Protocols, 2007, 2, 512-522.	12.0	45
115	Sustained formation of Î±-(4-pyridyl-1-oxide)-N-tert-butylnitrone radical adducts in mouse liver by peroxisome proliferators is dependent upon peroxisome proliferator-activated receptor-Î±, but not NADPH oxidase. Free Radical Biology and Medicine, 2007, 42, 335-342.	2.9	10
116	Immunolocalization of hypochlorite-induced, catalase-bound free radical formation in mouse hepatocytes. Free Radical Biology and Medicine, 2007, 42, 530-540.	2.9	55
117	Glutathione-induced radical formation on lactoperoxidase does not correlate with the enzyme's peroxidase activity. Free Radical Biology and Medicine, 2007, 42, 985-992.	2.9	13
118	An electron paramagnetic resonance investigation of the oxygen dependence of the arterialâ€“venous gradient of nitrosyl hemoglobin in blood circulation. Free Radical Biology and Medicine, 2007, 43, 1208-1215.	2.9	10
119	UVA-ketoprofen-induced Hemoglobin Radicals Detected by Immuno-spin TrappingÂ¶. Photochemistry and Photobiology, 2007, 77, 585-591.	2.5	3
120	Electron spin resonance and spin trapping technique provide direct evidence that edaravone prevents acute ischemiaâ€“reperfusion injury of the liver by limiting free radical-mediated tissue damage. Free Radical Research, 2006, 40, 579-588.	3.3	14
121	Immunoâ€“spin trapping of DNA radicals. Nature Methods, 2006, 3, 123-127.	19.0	53
122	Immuno-spin trapping of hemoglobin and myoglobin radicals derived from nitrite-mediated oxidation. Free Radical Biology and Medicine, 2006, 40, 507-515.	2.9	26
123	The oxidation of 2â€²,7â€²-dichlorofluorescin to reactive oxygen species: A self-fulfilling prophesy?. Free Radical Biology and Medicine, 2006, 40, 968-975.	2.9	201
124	Protein radical formation on thyroid peroxidase during turnover as detected by immuno-spin trapping. Free Radical Biology and Medicine, 2006, 41, 422-430.	2.9	36
125	Free radical production requires both inducible nitric oxide synthase and xanthine oxidase in LPS-treated skin. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4616-4621.	7.1	66
126	Diesel Exhaust Particles Synergistically Enhance Lung Injury and Oxidative Stress Induced by Bacterial Endotoxin. Journal of Clinical Biochemistry and Nutrition, 2006, 38, 133-137.	1.4	4

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127	In Vivo Spin Trapping of Free Radical Metabolites of Drugs and Toxic Chemicals Utilizing Ex Vivo Detection. , 2005, , 93-109.		6
128	Biomarkers of Oxidative Stress Study II: Are oxidation products of lipids, proteins, and DNA markers of CCl4 poisoning?. Free Radical Biology and Medicine, 2005, 38, 698-710.	2.9	621
129	A novel protocol to identify and quantify all spin trapped free radicals from in vitro/in vivo interaction of HO and DMSO: LC/ESR, LC/MS, and dual spin trapping combinations. Free Radical Biology and Medicine, 2005, 38, 125-135.	2.9	60
130	Mechanism of hydrogen peroxide-induced Cu,Zn-superoxide dismutase-centered radical formation as explored by immuno-spin trapping:. Free Radical Biology and Medicine, 2005, 38, 201-214.	2.9	59
131	Biomarkers of oxidative stress study. Free Radical Biology and Medicine, 2005, 38, 711-718.	2.9	157
132	Identification of the myoglobin tyrosyl radical by immuno-spin trapping and its dimerization. Free Radical Biology and Medicine, 2005, 38, 969-976.	2.9	47
133	Immunochemical detection of nitric oxide and nitrogen dioxide trapping of the tyrosyl radical and the resulting nitrotyrosine in sperm whale myoglobin. Free Radical Biology and Medicine, 2005, 39, 1050-1058.	2.9	26
134	Synergistic Production of Lung Free Radicals by Diesel Exhaust Particles and Endotoxin. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 379-387.	5.6	58
135	Copper-catalyzed Protein Oxidation and Its Modulation by Carbon Dioxide. Journal of Biological Chemistry, 2005, 280, 27402-27411.	3.4	67
136	Free Radical-Dependent Dysfunction of Small-for-Size Rat Liver Grafts: Prevention by Plant Polyphenols. Gastroenterology, 2005, 129, 652-664.	1.3	42
137	Characterization of the high-resolution ESR spectra of superoxide radical adducts of 5-(diethoxyphosphoryl)-5-methyl-1-pyrrolineN-oxide (DEPMPO) and 5,5-dimethyl-1-pyrrolineN-oxide (DMPO). Analysis of conformational exchange. Free Radical Research, 2005, 39, 825-836.	3.3	59
138	Free Radical-Dependent Dysfunction of Small-for-Size Rat Liver Grafts: Prevention by Plant Polyphenols. Gastroenterology, 2005, 129, 652-664.	1.3	33
139	Immunoâ€Spin Trapping: Detection of Proteinâ€Centered Radicals. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2005, 24, Unit 17.7.	1.1	18
140	Protein Radical Formation during Lactoperoxidase-mediated Oxidation of the Suicide Substrate Glutathione. Journal of Biological Chemistry, 2004, 279, 13272-13283.	3.4	25
141	Formation of Protein Tyrosine ortho-Semiquinone Radical and Nitrotyrosine from Cytochrome c-derived Tyrosyl Radical. Journal of Biological Chemistry, 2004, 279, 18054-18062.	3.4	80
142	Identification of Free Radicals on Hemoglobin from its Self-peroxidation Using Mass Spectrometry and Immuno-spin Trapping. Journal of Biological Chemistry, 2004, 279, 11600-11607.	3.4	109
143	Cupricâ€“amyloid Î² peptide complex stimulates oxidation of ascorbate and generation of hydroxyl radical. Free Radical Biology and Medicine, 2004, 36, 340-347.	2.9	104
144	Polyphenols from Camellia sinenesis prevent primary graft failure after transplantation of ethanol-induced fatty livers from rats. Free Radical Biology and Medicine, 2004, 36, 1248-1258.	2.9	34

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145	Using anti-5,5-dimethyl-1-pyrroline N-oxide (anti-DMPO) to detect protein radicals in time and space with immuno-spin trapping. Free Radical Biology and Medicine, 2004, 36, 1214-1223.	2.9	153
146	Involvement of protein radical, protein aggregation, and effects on NO metabolism in the hypochlorite-mediated oxidation of mitochondrial cytochrome c. Free Radical Biology and Medicine, 2004, 37, 1591-1603.	2.9	49
147	ESR investigation of the oxidative damage in lungs caused by asbestos and air pollution particles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 1371-1377.	3.9	18
148	Fast-Flow EPR Spectroscopic Observation of the Isoniazid, Iproniazid, and Phenylhydrazine Hydrazyl Radicals. Chemical Research in Toxicology, 2004, 17, 226-233.	3.3	14
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