Rafael Radi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2928552/publications.pdf

Version: 2024-02-01

270	40,218	2203	2558
papers	citations	99 h-index	195 g-index

276	276	276	24294
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Radiolysis Studies of Oxidation and Nitration of Tyrosine and Some Other Biological Targets by Peroxynitrite-Derived Radicals. International Journal of Molecular Sciences, 2022, 23, 1797.	1.8	6
2	Trypanosoma cruzi Mitochondrial Peroxiredoxin Promotes Infectivity in Macrophages and Attenuates Nifurtimox Toxicity. Frontiers in Cellular and Infection Microbiology, 2022, 12, 749476.	1.8	3
3	The superoxide radical switch in the biology of nitric oxide and peroxynitrite. Physiological Reviews, 2022, 102, 1881-1906.	13.1	32
4	Thiol oxidation by biologically-relevant reactive species. , 2022, , 99-113.		0
5	Crystal structure of Trypanosoma cruzi heme peroxidase and characterization of its substrate specificity and compound I intermediate. Journal of Biological Chemistry, 2022, 298, 102204.	1.6	1
6	Guidelines for measuring reactive oxygen species and oxidative damage in cells and in vivo. Nature Metabolism, 2022, 4, 651-662.	5.1	356
7	The Thiol-Modifier Effects of Organoselenium Compounds and Their Cytoprotective Actions in Neuronal Cells. Neurochemical Research, 2021, 46, 120-130.	1.6	35
8	The effects of nitric oxide or oxygen on the stable products formed from the tyrosine phenoxyl radical. Free Radical Research, 2021, 55, 141-153.	1.5	4
9	The mitochondrial thioredoxin reductase system (TrxR2) in vascular endothelium controls peroxynitrite levels and tissue integrity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25
10	Cardiolipin interactions with cytochrome c increase tyrosine nitration yields and site-specificity. Archives of Biochemistry and Biophysics, 2021, 703, 108824.	1.4	6
11	Nox2-derived superoxide radical is crucial to control acute Trypanosoma cruzi infection. Redox Biology, 2021, 46, 102085.	3.9	5
12	Decreased proteasomal cleavage at nitrotyrosine sites in proteins and peptides. Redox Biology, 2021, 46, 102106.	3.9	6
13	Multiscale Modeling of Thiol Overoxidation in Peroxiredoxins by Hydrogen Peroxide. Journal of Chemical Information and Modeling, 2020, 60, 843-853.	2.5	8
14	Neuronal Parasitism, Early Myenteric Neurons Depopulation and Continuous Axonal Networking Damage as Underlying Mechanisms of the Experimental Intestinal Chagas' Disease. Frontiers in Cellular and Infection Microbiology, 2020, 10, 583899.	1.8	10
15	Tracking isotopically labeled oxidants using boronate-based redox probes. Journal of Biological Chemistry, 2020, 295, 6665-6676.	1.6	17
16	Hypoxic-Ischemic Encephalopathy and Mitochondrial Dysfunction: Facts, Unknowns, and Challenges. Antioxidants and Redox Signaling, 2020, 33, 247-262.	2.5	25
17	3-Nitrotyrosine and related derivatives in proteins: precursors, radical intermediates and impact in function. Essays in Biochemistry, 2020, 64, 111-133.	2.1	47
18	Detection and quantification of nitric oxideâ€“derived oxidants in biological systems. Journal of Biological Chemistry, 2019, 294, 14776-14802.	1.6	110

#	Article	IF	Citations
19	Kinetics of formation and reactivity of the persulfide in the one-cysteine peroxiredoxin from Mycobacterium tuberculosis. Journal of Biological Chemistry, 2019, 294, 13593-13605.	1.6	34
20	Aconitases: Non-redox Ironâ€“Sulfur Proteins Sensitive to Reactive Species. Accounts of Chemical Research, 2019, 52, 2609-2619.	7.6	66
21	Catalysis of Peroxide Reduction by Fast Reacting Protein Thiols. Chemical Reviews, 2019, 119, 10829-10855.	23.0	68
22	The origins of nitric oxide and peroxynitrite research in Uruguay: 25â€¯years of contributions to the biochemical and biomedical sciences. Nitric Oxide - Biology and Chemistry, 2019, 87, 83-89.	1.2	4
23	Carbon dioxide-catalyzed peroxynitrite reactivity â€“ The resilience of the radical mechanism after two decades of research. Free Radical Biology and Medicine, 2019, 135, 210-215.	1.3	33
24	Cytosolic Fe-superoxide dismutase safeguardsTrypanosoma cruzifrom macrophage-derived superoxide radical. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8879-8888.	3.3	31
25	Free radical-dependent inhibition of prostaglandin endoperoxide H Synthase-2 by nitro-arachidonic acid. Free Radical Biology and Medicine, 2019, 144, 176-182.	1.3	7
26	Reactive species and pathogen antioxidant networks during phagocytosis. Journal of Experimental Medicine, 2019, 216, 501-516.	4.2	67
27	Lung nitroxidative stress in mechanically-ventilated septic patients: A pilot study. Journal of Critical Care, 2019, 51, 204-212.	1.0	4
28	A computational investigation of the reactions of tyrosyl, tryptophanyl, and cysteinyl radicals with nitric oxide and molecular oxygen. Free Radical Research, 2019, 53, 18-25.	1.5	7
29	Rapid peroxynitrite reduction by human peroxiredoxin 3: Implications for the fate of oxidants in mitochondria. Free Radical Biology and Medicine, 2019, 130, 369-378.	1.3	44
30	Diphenyl diselenide protects neuronal cells against oxidative stress and mitochondrial dysfunction: Involvement of the glutathione-dependent antioxidant system. Redox Biology, 2019, 20, 118-129.	3.9	41
31	Fluorescence and chemiluminescence approaches for peroxynitrite detection. Free Radical Biology and Medicine, 2018, 128, 59-68.	1.3	71
32	Biochemistry of Peroxynitrite and Protein Tyrosine Nitration. Chemical Reviews, 2018, 118, 1338-1408.	23.0	404
33	Cardiomyocyte diffusible redox mediators controlTrypanosoma cruziinfection: role of parasite mitochondrial iron superoxide dismutase. Biochemical Journal, 2018, 475, 1235-1251.	1.7	34
34	Propagation of free-radical reactions in concentrated protein solutions. Free Radical Research, 2018, 52, 159-170.	1.5	13
35	Respiratory analysis of coupled mitochondria in cryopreserved liver biopsies. Redox Biology, 2018, 17, 207-212.	3.9	22
36	Chemistry and Redox Biology of Mycothiol. Antioxidants and Redox Signaling, 2018, 28, 487-504.	2.5	45

#	Article	IF	Citations
37	Fundamentals on the biochemistry of peroxynitrite and protein tyrosine nitration. Redox Biology, 2018, 14, 618-625.	3.9	326
38	Redox-sensitive GFP fusions for monitoring the catalytic mechanism and inactivation of peroxiredoxins in living cells. Redox Biology, 2018, 14, 549-556.	3.9	35
39	Foreword to the Free Radical Biology and Medicine Special Issue on Â¨Current fluorescence and chemiluminescence approaches in free radical and redox biologyÂ¨. Free Radical Biology and Medicine, 2018, 128, 1-2.	1.3	3
40	Manganese porphyrin redox state in endothelial cells: Resonance Raman studies and implications for antioxidant protection towards peroxynitrite. Free Radical Biology and Medicine, 2018, 126, 379-392.	1.3	10
41	Oxygen radicals, nitric oxide, and peroxynitrite: Redox pathways in molecular medicine. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5839-5848.	3.3	723
42	Human Mn-superoxide dismutase inactivation by peroxynitrite: a paradigm of metal-catalyzed tyrosine nitrationin vitroandin vivo. Metallomics, 2018, 10, 679-695.	1.0	20
43	Tyrosine-Nitrated Proteins: Proteomic and Bioanalytical Aspects. Antioxidants and Redox Signaling, 2017, 26, 313-328.	2.5	71
44	Kinetics, subcellular localization, and contribution to parasite virulence of a Trypanosoma cruzi hybrid type A heme peroxidase (Tc APx-CcP). Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1326-E1335.	3.3	21
45	Tyrosine oxidation and nitration in transmembrane peptides is connected to lipid peroxidation. Archives of Biochemistry and Biophysics, 2017, 622, 9-25.	1.4	14
46	Ironâ€sulfur glutaredoxin 2 protects oligodendrocytes against damage induced by nitric oxide release from activated microglia. Glia, 2017, 65, 1521-1534.	2.5	33
47	Ohr plays a central role in bacterial responses against fatty acid hydroperoxides and peroxynitrite. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E132-E141.	3.3	43
48	Multifunctional Cytochrome c: Learning New Tricks from an Old Dog. Chemical Reviews, 2017, 117, 13382-13460.	23.0	189
49	Peroxynitrite Formation and Detection in Living Cells. , 2017, , 271-288.		6
50	Biochemistry of Nitric Oxide and Peroxynitrite: Sources, Targets and Biological Implications. , 2016, , 49-77.		5
51	Mechanism of the Reaction of Human Manganese Superoxide Dismutase with Peroxynitrite: Nitration of Critical Tyrosine 34. Biochemistry, 2016, 55, 3403-3417.	1.2	37
52	Sensitive detection and estimation of cell-derived peroxynitrite fluxes using fluorescein-boronate. Free Radical Biology and Medicine, 2016, 101, 284-295.	1.3	65
53	PrxQ B from Mycobacterium tuberculosis is a monomeric, thioredoxin-dependent and highly efficient fatty acid hydroperoxide reductase. Free Radical Biology and Medicine, 2016, 101, 249-260.	1.3	23
54	Role of nitrite, urate and pepsin in the gastroprotective effects of saliva. Redox Biology, 2016, 8, 407-414.	3.9	25

#	Article	IF	Citations
55	Redox-Active Sensing by Bacterial DksA Transcription Factors Is Determined by Cysteine and Zinc Content. MBio, 2016, 7, e02161-15.	1.8	37
56	Special issue on â€œFree Radical and Redox Biochemistry of Thiolsâ€• Free Radical Research, 2016, 50, 123-125.	1.5	4
57	Alternative Conformations of Cytochrome c: Structure, Function, and Detection. Biochemistry, 2016, 55, 407-428.	1.2	110
58	One- and two-electron oxidation of thiols: mechanisms, kinetics and biological fates. Free Radical Research, 2016, 50, 150-171.	1.5	109
59	Nitro-Arachidonic Acid Prevents Angiotensin II-Induced Mitochondrial Dysfunction in a Cell Line of Kidney Proximal Tubular Cells. PLoS ONE, 2016, 11, e0150459.	1.1	9
60	Active Site Structure and Peroxidase Activity of Oxidatively Modified Cytochrome c Species in Complexes with Cardiolipin. Biochemistry, 2015, 54, 7491-7504.	1.2	53
61	Leghemoglobin is nitrated in functional legume nodules in a tyrosine residue within the heme cavity by a nitrite/peroxideâ€dependent mechanism. Plant Journal, 2015, 81, 723-735.	2.8	70
62	Insights into the mechanism of the reaction between hydrogen sulfide and peroxynitrite. Free Radical Biology and Medicine, 2015, 80, 93-100.	1.3	41
63	A comprehensive evaluation of catalase-like activity of different classes of redox-active therapeutics. Free Radical Biology and Medicine, 2015, 86, 308-321.	1.3	71
64	Oxidative Inactivation of Nitric Oxide and Peroxynitrite Formation in the Vasculature. ACS Symposium Series, 2015, , 91-145.	0.5	6
65	Nitric oxide diffusion to red blood cells limits extracellular, but not intraphagosomal, peroxynitrite formation by macrophages. Free Radical Biology and Medicine, 2015, 87, 346-355.	1.3	22
66	Defective Human Sperm Cells Are Associated with Mitochondrial Dysfunction and Oxidant Production1. Biology of Reproduction, 2015, 93, 119.	1.2	46
67	Molecular Basis of Hydroperoxide Specificity in Peroxiredoxins: The Case of AhpE from Mycobacterium tuberculosis. Biochemistry, 2015, 54, 7237-7247.	1.2	18
68	Impact of SIN-1-derived peroxynitrite flux on endothelial cell redox homeostasis and bioenergetics: protective role of diphenyl diselenide via induction of peroxiredoxins. Free Radical Research, 2015, 49, 122-132.	1.5	28
69	Even free radicals should follow some rules: A Guide to free radical research terminology and methodology. Free Radical Biology and Medicine, 2015, 78, 233-235.	1.3	241
70	Specific methionine oxidation of cytochrome c in complexes with zwitterionic lipids by hydrogen peroxide: potential implications for apoptosis. Chemical Science, 2015, 6, 705-713.	3.7	52
71	Peroxynitrite, a potent macrophageâ€derived oxidizing cytotoxin to combat invading pathogens. BioFactors, 2014, 40, 215-225.	2.6	84
72	Mycothiol/Mycoredoxin 1-dependent Reduction of the Peroxiredoxin AhpE from Mycobacterium tuberculosis. Journal of Biological Chemistry, 2014, 289, 5228-5239.	1.6	48

#	Article	IF	Citations
73	Metal-catalyzed protein tyrosine nitration in biological systems. Redox Report, 2014, 19, 221-231.	1.4	37
74	Kinetic and mechanistic considerations to assess the biological fate of peroxynitrite. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 768-780.	1.1	124
75	Neuroprotective effects of the mitochondria-targeted antioxidant MitoQ in a model of inherited amyotrophic lateral sclerosis. Free Radical Biology and Medicine, 2014, 70, 204-213.	1.3	126
76	Metabolic control analysis of mitochondrial aconitase: influence over respiration and mitochondrial superoxide and hydrogen peroxide production. Free Radical Research, 2014, 48, 684-693.	1.5	33
77	Rational Design of Superoxide Dismutase (SOD) Mimics: The Evaluation of the Therapeutic Potential of New Cationic Mn Porphyrins with Linear and Cyclic Substituents. Inorganic Chemistry, 2014, 53, 11467-11483.	1.9	43
78	The extraordinary catalytic ability of peroxiredoxins: a combined experimental and QM/MM study on the fast thiol oxidation step. Chemical Communications, 2014, 50, 10070-10073.	2.2	43
79	Coupling of tyrosine deprotonation and axial ligand exchange in nitrocytochrome c. Chemical Communications, 2014, 50, 2592-2594.	2.2	21
80	Structural and Molecular Basis of the Peroxynitrite-mediated Nitration and Inactivation of Trypanosoma cruzi Iron-Superoxide Dismutases (Fe-SODs) A and B. Journal of Biological Chemistry, 2014, 289, 12760-12778.	1.6	51
81	Neurovascular coupling in hippocampus is mediated via diffusion by neuronal-derived nitric oxide. Free Radical Biology and Medicine, 2014, 73, 421-429.	1.3	80
82	The thiol pool in human plasma: The central contribution of albumin to redox processes. Free Radical Biology and Medicine, 2013, 65, 244-253.	1.3	529
83	Mechanism of cysteine oxidation by peroxynitrite: An integrated experimental and theoretical study. Archives of Biochemistry and Biophysics, 2013, 539, 81-86.	1.4	30
84	Peroxynitrite, a Stealthy Biological Oxidant. Journal of Biological Chemistry, 2013, 288, 26464-26472.	1.6	643
85	Trypanosoma cruziAntioxidant Enzymes As Virulence Factors in Chagas Disease. Antioxidants and Redox Signaling, 2013, 19, 723-734.	2.5	97
86	Protein Tyrosine Nitration: Biochemical Mechanisms and Structural Basis of Functional Effects. Accounts of Chemical Research, 2013, 46, 550-559.	7.6	419
87	Protective effect of diphenyl diselenide against peroxynitrite-mediated endothelial cell death: A comparison with ebselen. Nitric Oxide - Biology and Chemistry, 2013, 31, 20-30.	1.2	58
88	Nitroarachidonic acid prevents NADPH oxidase assembly and superoxide radical production in activated macrophages. Free Radical Biology and Medicine, 2013, 58, 126-133.	1.3	35
89	Trypanothione: A unique bis-glutathionyl derivative in trypanosomatids. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3199-3216.	1.1	100
90	Electrostatically Driven Second-Sphere Ligand Switch between High and Low Reorganization Energy Forms of Native Cytochrome c. Journal of the American Chemical Society, 2013, 135, 4389-4397.	6.6	39

#	Article	IF	Citations
91	Peroxynitrite formation in nitric oxide-exposed submitochondrial particles: Detection, oxidative damage and catalytic removal by Mnâ€“porphyrins. Archives of Biochemistry and Biophysics, 2013, 529, 45-54.	1.4	33
92	Pepsin is nitrated in the rat stomach, acquiring antiulcerogenic activity: A novel interaction between dietary nitrate and gut proteins. Free Radical Biology and Medicine, 2013, 58, 26-34.	1.3	31
93	Hydroperoxide and peroxynitrite reductase activity of poplar thioredoxin-dependent glutathione peroxidase 5: kinetics, catalytic mechanism and oxidative inactivation. Biochemical Journal, 2012, 442, 369-380.	1.7	41
94	Modulation of the reactivity of the thiol of human serum albumin and its sulfenic derivative by fatty acids. Archives of Biochemistry and Biophysics, 2012, 521, 102-110.	1.4	48
95	Molecular basis of intramolecular electron transfer in proteins during radical-mediated oxidations: Computer simulation studies in model tyrosineâ€“cysteine peptides in solution. Archives of Biochemistry and Biophysics, 2012, 525, 82-91.	1.4	31
96	Kinetics of oxidation of tyrosine by a model alkoxyl radical. Free Radical Research, 2012, 46, 1150-1156.	1.5	17
97	NADPH Phagocyte Oxidase Knockout Mice Control Trypanosoma cruzi Proliferation, but Develop Circulatory Collapse and Succumb to Infection. PLoS Neglected Tropical Diseases, 2012, 6, e1492.	1.3	24
98	Modulation of Astrocytic Mitochondrial Function by Dichloroacetate Improves Survival and Motor Performance in Inherited Amyotrophic Lateral Sclerosis. PLoS ONE, 2012, 7, e34776.	1.1	85
99	Molecular Basis of the Mechanism of Thiol Oxidation by Hydrogen Peroxide in Aqueous Solution: Challenging the S_N2 Paradigm. Chemical Research in Toxicology, 2012, 25, 741-746.	1.7	61
100	Intragastric nitration by dietary nitrite: Implications for modulation of protein and lipid signaling. Free Radical Biology and Medicine, 2012, 52, 693-698.	1.3	64
101	Mitochondrial protein tyrosine nitration. Free Radical Research, 2011, 45, 37-52.	1.5	91
102	Factors Affecting Protein Thiol Reactivity and Specificity in Peroxide Reduction. Chemical Research in Toxicology, 2011, 24, 434-450.	1.7	244
103	Antioxidant Activity of Uruguayan Propolis. In Vitro and Cellular Assays. Journal of Agricultural and Food Chemistry, 2011, 59, 6430-6437.	2.4	45
104	Intraphagosomal Peroxynitrite as a Macrophage-derived Cytotoxin against Internalized Trypanosoma cruzi. Journal of Biological Chemistry, 2011, 286, 6627-6640.	1.6	197
105	Kinetics of reduction of tyrosine phenoxyl radicals by glutathione. Archives of Biochemistry and Biophysics, 2011, 506, 242-249.	1.4	62
106	Exploring the molecular basis of human manganese superoxide dismutase inactivation mediated by tyrosine 34 nitration. Archives of Biochemistry and Biophysics, 2011, 507, 304-309.	1.4	48
107	Tryparedoxin peroxidases from Trypanosoma cruzi: High efficiency in the catalytic elimination of hydrogen peroxide and peroxynitrite. Archives of Biochemistry and Biophysics, 2011, 507, 287-295.	1.4	53
108	Kinetic studies of peroxiredoxin 6 from Arenicola marina: Rapid oxidation by hydrogen peroxide and peroxynitrite but lack of reduction by hydrogen sulfide. Archives of Biochemistry and Biophysics, 2011, 514, 1-7.	1.4	19

#	Article	IF	Citations
109	Topography of tyrosine residues and their involvement in peroxidation of polyunsaturated cardiolipin in cytochrome c/cardiolipin peroxidase complexes. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2147-2155.	1.4	64
110	Reactivity of hydrogen sulfide with peroxynitrite and other oxidants of biological interest. Free Radical Biology and Medicine, 2011, 50, 196-205.	1.3	199
111	Oxidizing substrate specificity of Mycobacterium tuberculosis alkyl hydroperoxide reductase E: kinetics and mechanisms of oxidation and overoxidation. Free Radical Biology and Medicine, 2011, 51, 464-473.	1.3	38
112	Nitric Oxide-Derived Oxidants with a Focus on Peroxynitrite: Molecular Targets,Cellular Responses and Therapeutic Implications. Current Pharmaceutical Design, 2011, 17, 3905-3932.	0.9	128
113	Dietary Nitrite in Nitric Oxide Biology: A Redox Interplay with Implications for Pathophysiology and Therapeutics. Current Drug Targets, 2011, 12, 1351-1363.	1.0	53
114	Thiol-sensitive mutant forms of human SOD2, L60F, and I58T: The role of Cys140. Free Radical Biology and Medicine, 2010, 48, 1202-1210.	1.3	5
115	Mechanisms and Biological Consequences of Peroxynitrite-Dependent Protein Oxidation and Nitration. , 2010, , 61-102.		12
116	Nitric Oxide Redox Biochemistry in Lipid Environments. , 2010, , 27-60.		3
117	Cyclosporine A-induced nitration of tyrosine 34 MnSOD in endothelial cells: role of mitochondrial superoxide. Cardiovascular Research, 2010, 87, 356-365.	1.8	61
118	Lipid Peroxyl Radicals Mediate Tyrosine Dimerization and Nitration in Membranes. Chemical Research in Toxicology, 2010, 23, 821-835.	1.7	72
119	Tyrosineâˆ™Lipid Peroxide Adducts from Radical Termination: Para Coupling and Intramolecular Dielsâˆ™Alder Cyclization. Journal of the American Chemical Society, 2010, 132, 17490-17500.	6.6	32
120	Distance-Dependent Diffusion-Controlled Reaction of ^{â€¢}NO and O₂^{â€¢â} at Chemical Equilibrium with ONOO^â. Journal of Physical Chemistry B, 2010, 114, 16584-16593.	1.2	33
121	Formation and Reactions of Sulfenic Acid in Human Serum Albumin. Methods in Enzymology, 2010, 473, 117-136.	0.4	47
122	Superoxide-mediated inactivation of nitric oxide and peroxynitrite formation by tobacco smoke in vascular endothelium: studies in cultured cells and smokers. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H1781-H1792.	1.5	76
123	Nitration of Solvent-exposed Tyrosine 74 on Cytochrome c Triggers Heme Iron-Methionine 80 Bond Disruption. Journal of Biological Chemistry, 2009, 284, 17-26.	1.6	94
124	Pure MnTBAP selectively scavenges peroxynitrite over superoxide: Comparison of pure and commercial MnTBAP samples to MnTE-2-PyP in two models of oxidative stress injury, an SOD-specific Escherichia coli model and carrageenan-induced pleurisy. Free Radical Biology and Medicine, 2009, 46, 192-201.	1.3	119
125	Enzymes of the antioxidant network as novel determiners of Trypanosoma cruzi virulence. International Journal for Parasitology, 2009, 39, 1455-1464.	1.3	107
126	Disruption of the M80-Fe ligation stimulates the translocation of cytochrome c to the cytoplasm and nucleus in nonapoptotic cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2653-2658.	3.3	93

#	Article	IF	Citations
127	Fighting the oxidative assault: the Trypanosoma cruzi journey to infection. Current Opinion in Microbiology, 2009, 12, 415-421.	2.3	110
128	Peroxynitrite and reactive nitrogen species: The contribution of ABB in two decades of research. Archives of Biochemistry and Biophysics, 2009, 484, 111-113.	1.4	19
129	Chemical Biology of Peroxynitrite: Kinetics, Diffusion, and Radicals. ACS Chemical Biology, 2009, 4, 161-177.	1.6	647
130	Thiol and Sulfenic Acid Oxidation of AhpE, the One-Cysteine Peroxiredoxin from Mycobacterium tuberculosis: Kinetics, Acidity Constants, and Conformational Dynamics. Biochemistry, 2009, 48, 9416-9426.	1.2	104
131	Mitochondrial calcium overload triggers complement-dependent superoxide-mediated programmed cell death inTrypanosoma cruzi. Biochemical Journal, 2009, 418, 595-604.	1.7	63
132	Protein tyrosine nitrationâ€"Functional alteration or just a biomarker?. Free Radical Biology and Medicine, 2008, 45, 357-366.	1.3	367
133	Insights into the redox biology of Trypanosoma cruzi: Trypanothione metabolism and oxidant detoxification. Free Radical Biology and Medicine, 2008, 45, 733-742.	1.3	127
134	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.	1.3	73
135	Nitrocytochrome c: Synthesis, Purification, and Functional Studies. Methods in Enzymology, 2008, 441, 197-215.	0.4	30
136	Kinetic Studies on Peroxynitrite Reduction by Peroxiredoxins. Methods in Enzymology, 2008, 441, 173-196.	0.4	63
137	Peroxynitrite Detoxification and Its Biologic Implications. Antioxidants and Redox Signaling, 2008, 10, 1607-1620.	2.5	90
138	Peroxynitrite inhibits electron transport on the acceptor side of higher plant photosystem II. Archives of Biochemistry and Biophysics, 2008, 473, 25-33.	1.4	17
139	Reactivity of Sulfenic Acid in Human Serum Albumin. Biochemistry, 2008, 47, 358-367.	1.2	144
140	Protein and lipid nitration: Role in redox signaling and injury. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 1318-1324.	1.1	114
141	Mitochondrial Dysfunction in SOD1^{G93A}-Bearing Astrocytes Promotes Motor Neuron Degeneration: Prevention by Mitochondrial-Targeted Antioxidants. Journal of Neuroscience, 2008, 28, 4115-4122.	1.7	285
142	Peroxiredoxins play a major role in protectingTrypanosoma cruziagainst macrophage- and endogenously-derived peroxynitrite. Biochemical Journal, 2008, 410, 359-368.	1.7	122
143	Tyrosine Nitration, Dimerization, and Hydroxylation by Peroxynitrite in Membranes as Studied by the Hydrophobic Probe N-t-BOC-l-tyrosine tert-Butyl Ester. Methods in Enzymology, 2008, 441, 217-236.	0.4	14
144	Mitochondrial Superoxide Production and Nuclear Factor Erythroid 2-Related Factor 2 Activation in p75 Neurotrophin Receptor-Induced Motor Neuron Apoptosis. Journal of Neuroscience, 2007, 27, 7777-7785.	1.7	110

#	Article	IF	Citations
145	Prevention of Peroxynitrite-induced Apoptosis of Motor Neurons and PC12 Cells by Tyrosine-containing Peptides. Journal of Biological Chemistry, 2007, 282, 6324-6337.	1.6	53
146	Nitro-fatty Acid Reaction with Glutathione and Cysteine. Journal of Biological Chemistry, 2007, 282, 31085-31093.	1.6	176
147	Pre-steady state kinetic characterization of human peroxiredoxin 5: Taking advantage of Trp84 fluorescence increase upon oxidation. Archives of Biochemistry and Biophysics, 2007, 467, 95-106.	1.4	149
148	Enhanced mitochondrial superoxide in hyperglycemic endothelial cells: direct measurements and formation of hydrogen peroxide and peroxynitrite. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H3404-H3414.	1.5	101
149	Mitochondrial superoxide radicals mediate programmed cell death in Trypanosoma cruzi: cytoprotective action of mitochondrial iron superoxide dismutase overexpression. Biochemical Journal, 2007, 403, 323-334.	1.7	125
150	Biochemistry of protein tyrosine nitration in cardiovascular pathology. Cardiovascular Research, 2007, 75, 291-302.	1.8	257
151	Incorporation of the Hydrophobic Probe N-t-BOC-<scp>l</scp>-tyrosine tert-Butyl Ester to Red Blood Cell Membranes To Study Peroxynitrite-Dependent Reactions. Chemical Research in Toxicology, 2007, 20, 1638-1648.	1.7	15
152	Kinetics of Peroxiredoxins and their Role in the Decomposition of Peroxynitrite. Sub-Cellular Biochemistry, 2007, 44, 83-113.	1.0	115
153	Peroxynitrite: biochemistry, pathophysiology and development of therapeutics. Nature Reviews Drug Discovery, 2007, 6, 662-680.	21.5	1,732
154	Mitochondrial aconitase reaction with nitric oxide, S-nitrosoglutathione, and peroxynitrite: Mechanisms and relative contributions to aconitase inactivation. Free Radical Biology and Medicine, 2007, 42, 1075-1088.	1.3	108
155	Interactions between nitric oxide and peroxynitrite during prostaglandin endoperoxide H synthase-1 catalysis: A free radical mechanism of inactivation. Free Radical Biology and Medicine, 2007, 42, 1029-1038.	1.3	47
156	Inactivation and nitration of human superoxide dismutase (SOD) by fluxes of nitric oxide and superoxide. Free Radical Biology and Medicine, 2007, 42, 1359-1368.	1.3	89
157	Reaction of the carbonate radical with the spin-trap 5,5-dimethyl-1-pyrroline-N-oxide in chemical and cellular systems: Pulse radiolysis, electron paramagnetic resonance, and kinetic-competition studies. Free Radical Biology and Medicine, 2007, 43, 1523-1533.	1.3	27
158	Protein tyrosine nitration in hydrophilic and hydrophobic environments. Amino Acids, 2007, 32, 501-515.	1.2	132
159	Mechanistic Studies of Peroxynitrite-Mediated Tyrosine Nitration in Membranes Using the Hydrophobic Probe N-t-BOC-l-tyrosine tert-Butyl Ester. Biochemistry, 2006, 45, 6813-6825.	1.2	74
160	How I became a Biochemist. IUBMB Life, 2006, 58, 559-561.	1.5	0
161	Red blood cells in the metabolism of nitric oxide-derived peroxynitrite. IUBMB Life, 2006, 58, 572-580.	1.5	44
162	Immuno-spin trapping: A breakthrough for the sensitive detection of protein-derived radicals, a commentary on â€œProtein radical formation on thyroid peroxidase during turnoverâ€• Free Radical Biology and Medicine, 2006, 41, 416-417.	1.3	2

#	Article	IF	Citations
163	Reduction of manganese porphyrins by flavoenzymes and submitochondrial particles: A catalytic cycle for the reduction of peroxynitrite. Free Radical Biology and Medicine, 2006, 41, 503-512.	1.3	73
164	The Mycobacterial Thioredoxin Peroxidase Can Act as a One-cysteine Peroxiredoxin. Journal of Biological Chemistry, 2006, 281, 20555-20566.	1.6	42
165	Peroxynitrite and drug-dependent toxicity. Toxicology, 2005, 208, 273-288.	2.0	122
166	Peroxynitrite-derived carbonate and nitrogen dioxide radicals readily react with lipoic and dihydrolipoic acid. Free Radical Biology and Medicine, 2005, 39, 279-288.	1.3	42
167	Tyrosine nitration by superoxide and nitric oxide fluxes in biological systems: Modeling the impact of superoxide dismutase and nitric oxide diffusion. Free Radical Biology and Medicine, 2005, 39, 728-741.	1.3	96
168	Protein 3-nitrotyrosine formation during Trypanosoma cruzi infection in mice. Brazilian Journal of Medical and Biological Research, 2005, 38, 1825-1834.	0.7	27
169	Direct Measurement of Nitric Oxide and Oxygen Partitioning into Liposomes and Low Density Lipoprotein. Journal of Biological Chemistry, 2005, 280, 8850-8854.	1.6	128
170	Plasmodium falciparum 2-Cys peroxiredoxin reacts with plasmoredoxin and peroxynitrite. Biological Chemistry, 2005, 386, 1129-36.	1.2	40
171	Hemoglobin and Red Blood Cells as Tools for Studying Peroxynitrite Biochemistry. Methods in Enzymology, 2005, 396, 229-245.	0.4	14
172	3-Hydroxyglutaric acid moderately impairs energy metabolism in brain of young rats. Neuroscience, 2005, 135, 111-120.	1.1	56
173	Time Course and Site(s) of Cytochrome c Tyrosine Nitration by Peroxynitrite. Biochemistry, 2005, 44, 8038-8046.	1.2	108
174	Formation of Protein Tyrosine ortho-Semiquinone Radical and Nitrotyrosine from Cytochrome c-derived Tyrosyl Radical. Journal of Biological Chemistry, 2004, 279, 18054-18062.	1.6	80
175	Trypanosoma brucei and Trypanosoma cruzi Tryparedoxin Peroxidases Catalytically Detoxify Peroxynitrite via Oxidation of Fast Reacting Thiols. Journal of Biological Chemistry, 2004, 279, 34175-34182.	1.6	114
176	Binding of Xanthine Oxidase to Glycosaminoglycans Limits Inhibition by Oxypurinol. Journal of Biological Chemistry, 2004, 279, 37231-37234.	1.6	59
177	l-arginine metabolism during interaction of Trypanosoma cruzi with host cells. Trends in Parasitology, 2004, 20, 363-369.	1.5	52
178	Peroxynitrite-mediated Î±-tocopherol oxidation in low-density lipoprotein: a mechanistic approach. Free Radical Biology and Medicine, 2004, 36, 152-162.	1.3	41
179	Reactions of desferrioxamine with peroxynitrite-derived carbonate and nitrogen dioxide radicals. Free Radical Biology and Medicine, 2004, 36, 471-483.	1.3	53
180	Inactivation of human Cu,Zn superoxide dismutase by peroxynitrite and formation of histidinyl radical. Free Radical Biology and Medicine, 2004, 37, 813-822.	1.3	124

#	Article	IF	Citations
181	Septic diaphragmatic dysfunction is prevented by Mn(III)porphyrin therapy and inducible nitric oxide synthase inhibition. Intensive Care Medicine, 2004, 30, 2271-2278.	3.9	59
182	Nitric oxide, oxidants, and protein tyrosine nitration. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4003-4008.	3.3	1,314
183	Homolytic Pathways Drive Peroxynitrite-Dependent Trolox C Oxidation. Chemical Research in Toxicology, 2004, 17, 1377-1384.	1.7	22
184	Cytochrome c: a catalyst and target of nitrite-hydrogen peroxide-dependent protein nitration. Archives of Biochemistry and Biophysics, 2004, 421, 99-107.	1.4	83
185	Multiple thioredoxin-mediated routes to detoxify hydroperoxides in Mycobacterium tuberculosis. Archives of Biochemistry and Biophysics, 2004, 423, 182-191.	1.4	151
186	Macrophage-derived peroxynitrite diffusion and toxicity to Trypanosoma cruzi. Archives of Biochemistry and Biophysics, 2004, 432, 222-232.	1.4	126
187	Peroxynitrite reactivity with amino acids and proteins. Amino Acids, 2003, 25, 295-311.	1.2	495
188	Peroxynitrite flux-mediated LDL oxidation is inhibited by manganese porphyrins in the presence of uric acid. Free Radical Biology and Medicine, 2003, 35, 1293-1300.	1.3	54
189	Sulfenic Acid Formation in Human Serum Albumin by Hydrogen Peroxide and Peroxynitriteâ€. Biochemistry, 2003, 42, 9906-9914.	1.2	289
190	The trypanothioneâ€“thiol system in Trypanosoma cruzi as a key antioxidant mechanism against peroxynitrite-mediated cytotoxicity. Archives of Biochemistry and Biophysics, 2003, 412, 55-64.	1.4	66
191	Reaction of Human Hemoglobin with Peroxynitrite. Journal of Biological Chemistry, 2003, 278, 44049-44057.	1.6	114
192	Reactions of Manganese Porphyrins with Peroxynitrite and Carbonate Radical Anion. Journal of Biological Chemistry, 2003, 278, 27432-27438.	1.6	155
193	Peroxynitrite formation from biochemical and cellular fluxes of nitric oxide and superoxide. Methods in Enzymology, 2002, 359, 353-366.	0.4	65
194	Diffusion of Nitric Oxide into Low Density Lipoprotein. Journal of Biological Chemistry, 2002, 277, 932-936.	1.6	72
195	l-arginine metabolism in Trypanosoma cruzi in the regulation of programmed cell death. Methods in Enzymology, 2002, 359, 286-302.	0.4	5
196	Antioxidant and diffusion properties of nitric oxide in low-density lipoprotein. Methods in Enzymology, 2002, 359, 200-209.	0.4	11
197	Nitric Oxide and Peroxynitrite Interactions with Mitochondria. Biological Chemistry, 2002, 383, 401-9.	1.2	245
198	Reactions of manganese porphyrins and manganese-superoxide dismutase with peroxynitrite. Methods in Enzymology, 2002, 349, 23-37.	0.4	69

#	Article	IF	Citations
199	Peroxynitrite Reaction with the Reduced and the Oxidized Forms of Lipoic Acid: New Insights into the Reaction of Peroxynitrite with Thiols. Archives of Biochemistry and Biophysics, 2002, 397, 91-98.	1.4	161
200	Peroxynitrite reactions and formation in mitochondria. Free Radical Biology and Medicine, 2002, 33, 1451-1464.	1.3	561
201	Formation of Lipid-Protein Adducts in Low-Density Lipoprotein by Fluxes of Peroxynitrite and Its Inhibition by Nitric Oxide. Archives of Biochemistry and Biophysics, 2001, 395, 225-232.	1.4	48
202	Peroxynitrite decay in the presence of hydrogen peroxide, mannitol and ethanol: A reappraisal. Free Radical Research, 2001, 34, 467-475.	1.5	15
203	Nitration and Inactivation of Tyrosine Hydroxylase by Peroxynitrite. Journal of Biological Chemistry, 2001, 276, 46017-46023.	1.6	156
204	Unraveling peroxynitrite formation in biological systems. Free Radical Biology and Medicine, 2001, 30, 463-488.	1.3	677
205	Reaction of Peroxynitrite with Mn-Superoxide Dismutase. Journal of Biological Chemistry, 2001, 276, 11631-11638.	1.6	175
206	L-Arginine-dependent suppression of apoptosis in Trypanosoma cruzi: Contribution of the nitric oxide and polyamine pathways. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 7301-7306.	3.3	114
207	UNRAVELING PEROXYNITRITE FORMATION IN BIOLOGICAL SYSTEMS. , 2001, , 236-261.		0
208	Oxidation of ubiquinol by peroxynitrite: implications for protection of mitochondria against nitrosative damage. Biochemical Journal, 2000, 349, 35.	1.7	49
209	Oxidation of ubiquinol by peroxynitrite: implications for protection of mitochondria against nitrosative damage. Biochemical Journal, 2000, 349, 35-42.	1.7	74
210	The Biological Chemistry of Peroxynitrite. , 2000, , 57-82.		64
211	Nitric Oxide Reaction with Lipid Peroxyl Radicals Spares Î±-Tocopherol during Lipid Peroxidation. Journal of Biological Chemistry, 2000, 275, 10812-10818.	1.6	161
212	Cytochrome c Nitration by Peroxynitrite. Journal of Biological Chemistry, 2000, 275, 21409-21415.	1.6	321
213	Kinetics of Peroxynitrite Reaction with Amino Acids and Human Serum Albumin. Journal of Biological Chemistry, 1999, 274, 842-848.	1.6	236
214	[37] Peroxynitrite reactions with carbon dioxide-bicarbonate. Methods in Enzymology, 1999, 301, 353-367.	0.4	92
215	Direct EPR Detection of the Carbonate Radical Anion Produced from Peroxynitrite and Carbon Dioxide. Journal of Biological Chemistry, 1999, 274, 10802-10806.	1.6	240
216	Peroxynitrite affects Ca2+ transport in Trypanosoma cruzi. Molecular and Biochemical Parasitology, 1999, 98, 81-91.	0.5	22

#	Article	IF	Citations
217	Chemiluminescent Detection of Oxidants in Vascular Tissue. Circulation Research, 1999, 84, 1203-1211.	2.0	156
218	Catalytic Scavenging of Peroxynitrite by Isomeric Mn(III) N-Methylpyridylporphyrins in the Presence of Reductants. Chemical Research in Toxicology, 1999, 12, 442-449.	1.7	155
219	Diffusion of Peroxynitrite in the Presence of Carbon Dioxide. Archives of Biochemistry and Biophysics, 1999, 368, 23-30.	1.4	100
220	Peroxynitrite inhibits T lymphocyte activation and proliferation by promoting impairment of tyrosine phosphorylation and peroxynitrite-driven apoptotic death. Journal of Immunology, 1999, 162, 3356-66.	0.4	226
221	Slowing of Peroxynitrite Decomposition in the Presence of Mannitol and Ethanol. Free Radical Biology and Medicine, 1998, 24, 1331-1337.	1.3	33
222	Xanthine Oxidase-mediated Decomposition of S-Nitrosothiols. Journal of Biological Chemistry, 1998, 273, 7828-7834.	1.6	167
223	Peroxynitrite Reactions and Diffusion in Biology. Chemical Research in Toxicology, 1998, 11, 720-721.	1.7	155
224	Formation of Spin Trap Adducts during the Decomposition of Peroxynitrite. Archives of Biochemistry and Biophysics, 1998, 349, 36-46.	1.4	65
225	Nitric Oxide and Peroxynitrite-Dependent Aconitase Inactivation and Iron-Regulatory Protein-1 Activation in Mammalian Fibroblasts. Archives of Biochemistry and Biophysics, 1998, 359, 215-224.	1.4	95
226	Glyceraldehyde-3-Phosphate Dehydrogenase Inactivation by Peroxynitrite. Archives of Biochemistry and Biophysics, 1998, 360, 187-194.	1.4	168
227	Diffusion of peroxynitrite across erythrocyte membranes. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 3566-3571.	3.3	398
228	Nitric Oxide and Superoxide Contribute to Motor Neuron Apoptosis Induced by Trophic Factor Deprivation. Journal of Neuroscience, 1998, 18, 923-931.	1.7	327
229	Mercaptoethylguanidine and Guanidine Inhibitors of Nitric-oxide Synthase React with Peroxynitrite and Protect against Peroxynitrite-induced Oxidative Damage. Journal of Biological Chemistry, 1997, 272, 9030-9036.	1.6	153
230	Pathways of peroxynitrite oxidation of thiol groups. Biochemical Journal, 1997, 322, 167-173.	1.7	245
231	Ternary Copper Complexes and Manganese(III) Tetrakis(4-benzoic acid)porphyrin Catalyze Peroxynitrite-Dependent Nitration of Aromatics. Chemical Research in Toxicology, 1997, 10, 1338-1344.	1.7	48
232	Peroxynitrite-Mediated Decarboxylation of Pyruvate to Both Carbon Dioxide and Carbon Dioxide Radical Anion. Chemical Research in Toxicology, 1997, 10, 786-794.	1.7	71
233	Xanthine Oxidase Binding to Glycosaminoglycans: Kinetics and Superoxide Dismutase Interactions of Immobilized Xanthine Oxidaseâ€“Heparin Complexes. Archives of Biochemistry and Biophysics, 1997, 339, 125-135.	1.4	108
234	Ca2+-Independent Permeabilization of the Inner Mitochondrial Membrane by Peroxynitrite Is Mediated by Membrane Protein Thiol Cross-Linking and Lipid Peroxidation. Archives of Biochemistry and Biophysics, 1997, 345, 243-250.	1.4	117

#	Article	IF	Citations
235	Reactions of Nitric Oxide with Metalloproteins. Chemical Research in Toxicology, 1996, 9, 828-835.	1.7	141
236	Peroxynitrite-Dependent Tryptophan Nitration. Chemical Research in Toxicology, 1996, 9, 390-396.	1.7	241
237	Nitric Oxide Diffusion in Membranes Determined by Fluorescence Quenching. Archives of Biochemistry and Biophysics, 1996, 328, 208-212.	1.4	165
238	Differential Inhibitory Action of Nitric Oxide and Peroxynitrite on Mitochondrial Electron Transport. Archives of Biochemistry and Biophysics, 1996, 328, 309-316.	1.4	659
239	Peroxynitrite Reaction with Carbon Dioxide/Bicarbonate: Kinetics and Influence on Peroxynitrite-Mediated Oxidations. Archives of Biochemistry and Biophysics, 1996, 333, 49-58.	1.4	546
240	Modulatory Role of Nitric Oxide on Superoxide-Dependent Luminol Chemiluminescence. Archives of Biochemistry and Biophysics, 1996, 333, 179-188.	1.4	53
241	Oxidative Modification of Nicotinamide Nucleotide Transhydrogenase in Submitochondrial Particles: Effect of Endogenous Ubiquinol. Archives of Biochemistry and Biophysics, 1996, 336, 113-120.	1.4	38
242	[33] Kinetic analysis of reactivity of peroxynitrite with biomolecules. Methods in Enzymology, 1996, 269, 354-366.	0.4	59
243	[32] Detection of secondary radicals from peroxynitrite-mediated oxidations by electron spin resonance. Methods in Enzymology, 1996, 269, 346-354.	0.4	12
244	Desferrioxamine inhibition of the hydroxyl radical-like reactivity of peroxynitrite: Role of the hydroxamic groups. Free Radical Biology and Medicine, 1995, 19, 11-19.	1.3	115
245	Reaction between Peroxynitrite and Hydrogen Peroxide: Formation of Oxygen and Slowing of Peroxynitrite Decomposition. Chemical Research in Toxicology, 1995, 8, 859-864.	1.7	69
246	Kinetics of Cytochrome C2+ Oxidation by Peroxynitrite: Implications for Superoxide Measurements in Nitric Oxide-Producing Biological-Systems. Archives of Biochemistry and Biophysics, 1995, 319, 491-497.	1.4	177
247	Peroxynitriteâ€Induced Cytotoxicity in PC12 Cells: Evidence for an Apoptotic Mechanism Differentially Modulated by Neurotrophic Factors. Journal of Neurochemistry, 1995, 65, 1543-1550.	2.1	269
248	On the pH-dependent yield of hydroxyl radical products from peroxynitrite. Free Radical Biology and Medicine, 1994, 16, 331-338.	1.3	183
249	Inhibition of Mitochondrial Electron Transport by Peroxynitrite. Archives of Biochemistry and Biophysics, 1994, 308, 89-95.	1.4	682
250	Peroxynitrite Inactivates Thiol-Containing Enzymes of Trypanosoma cruzi Energetic Metabolism and Inhibits Cell Respiration. Archives of Biochemistry and Biophysics, 1994, 308, 96-102.	1.4	121
251	Spin-Trapping Studies of Peroxynitrite Decomposition and of 3-Morpholinosydnonimine N-Ethylcarbamide Autooxidation: Direct Evidence for Metal-Independent Formation of Free-Radical Intermediates. Archives of Biochemistry and Biophysics, 1994, 310, 118-125.	1.4	169
252	Peroxynitrite-mediated oxidation of albumin to the protein-thiyl free radical. FEBS Letters, 1994, 348, 287-290.	1.3	136

#	Article	IF	Citations
253	Aconitase is readily inactivated by peroxynitrite, but not by its precursor, nitric oxide.. Journal of Biological Chemistry, 1994, 269, 29409-29415.	1.6	522
254	Nitric oxide regulation of superoxide and peroxynitrite-dependent lipid peroxidation. Formation of novel nitrogen-containing oxidized lipid derivatives. Journal of Biological Chemistry, 1994, 269, 26066-26075.	1.6	1,184
255	Nitric oxide regulation of superoxide and peroxynitrite-dependent lipid peroxidation. Formation of novel nitrogen-containing oxidized lipid derivatives. Journal of Biological Chemistry, 1994, 269, 26066-75.	1.6	950
256	Aconitase is readily inactivated by peroxynitrite, but not by its precursor, nitric oxide. Journal of Biological Chemistry, 1994, 269, 29409-15.	1.6	418
257	Roles of catalase and cytochrome C in hydroperoxide-dependent lipid peroxidation and chemiluminescence in rat heart and kidney mitochondria. Free Radical Biology and Medicine, 1993, 15, 653-659.	1.3	56
258	The Role of Cytochrome c and Mitochondrial Catalase in Hydroperoxide-Induced Heart Mitochondrial Lipid Peroxidation. Archives of Biochemistry and Biophysics, 1993, 300, 409-415.	1.4	64
259	Peroxynitrite-Mediated Cytotoxicity to Trypanosoma cruzi. Archives of Biochemistry and Biophysics, 1993, 304, 279-286.	1.4	197
260	Physiologic Levels of Uric Acid Inhibit Xanthine Oxidase in Human Plasma. Pediatric Research, 1993, 34, 303-307.	1.1	78
261	Biological Antioxidant Defenses. Toxicology and Industrial Health, 1993, 9, 53-62.	0.6	16
262	Peroxynitrite-induced luminol chemiluminescence. Biochemical Journal, 1993, 290, 51-57.	1.7	359
263	Cytochrome c-catalyzed oxidation of organic molecules by hydrogen peroxide. Archives of Biochemistry and Biophysics, 1991, 288, 112-117.	1.4	147
264	Cytochrome c-catalyzed membrane lipid peroxidation by hydrogen peroxide. Archives of Biochemistry and Biophysics, 1991, 288, 118-125.	1.4	129
265	Peroxynitrite-induced membrane lipid peroxidation: The cytotoxic potential of superoxide and nitric oxide. Archives of Biochemistry and Biophysics, 1991, 288, 481-487.	1.4	2,105
266	Peroxynitrite oxidation of sulfhydryls.. Journal of Biological Chemistry, 1991, 266, 4244-4250.	1.6	2,220
267	Detection of catalase in rat heart mitochondria. Journal of Biological Chemistry, 1991, 266, 22028-34.	1.6	326
268	Peroxynitrite oxidation of sulfhydryls. The cytotoxic potential of superoxide and nitric oxide. Journal of Biological Chemistry, 1991, 266, 4244-50.	1.6	1,873
269	Luminol chemiluminescence using xanthine and hypoxanthine as xanthine oxidase substrates. Free Radical Biology and Medicine, 1990, 8, 121-126.	1.3	48
270	A scientific methodology course for advanced medical students: an eight-year perspective. MedEdPublish, 0, 12, 50.	0.3	0