Steven D Aust

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10478625/publications.pdf

Version: 2024-02-01

185 papers	20,721 citations	28190 55 h-index	9839 141 g-index
188 all docs	188 docs citations	188 times ranked	13534 citing authors

#	Article	IF	Citations
1	[30] Microsomal lipid peroxidation. Methods in Enzymology, 1978, 52, 302-310.	0.4	9,907
2	Role of metals in oxygen radical reactions. Journal of Free Radicals in Biology & Medicine, 1985, 1, 3-25.	2.1	1,032
3	MECHANISMS WHITE ROT FUNGI USE TO DEGRADE POLLUTANTS. Environmental Science & Technology, 1994, 28, 78A-87A.	4.6	357
4	Microsomal Electron Transport. Journal of Biological Chemistry, 1973, 248, 7134-7141.	1.6	301
5	Iron Autoxidation and Free Radical Generation: Effects of Buffers, Ligands, and Chelators. Archives of Biochemistry and Biophysics, 2002, 397, 360-369.	1.4	252
6	Studies of ascorbate-dependent, iron-catalyzed lipid peroxidation. Archives of Biochemistry and Biophysics, 1989, 271, 113-119.	1.4	250
7	The role of iron in the initiation of lipid peroxidation. Chemistry and Physics of Lipids, 1987, 44, 191-208.	1.5	247
8	Redox cycling of iron and lipid peroxidation. Lipids, 1992, 27, 219-226.	0.7	247
9	The requirement for ferric in the initiation of lipid peroxidation by chelated ferrous iron. Biochemical and Biophysical Research Communications, 1983, 111, 777-784.	1.0	243
10	Biodegradation of environmental pollutants by the white rot fungusPhanerochaete chrysosporium: Involvement of the lignin degrading system. BioEssays, 1987, 6, 166-170.	1.2	237
11	The Role of Iron in Oxygen-Mediated Toxicities. Critical Reviews in Toxicology, 1992, 22, 119-141.	1.9	222
12	An investigation into thee mechanism of citrateî—¸FE2+-dependent lipid peroxidation. Free Radical Biology and Medicine, 1987, 3, 379-387.	1.3	217
13	Multiplicity of cytochrome P450 hemoproteins in rat liver microsomes. Biochemical and Biophysical Research Communications, 1974, 56, 898-906.	1.0	193
14	Degradation of environmental pollutants byPhanerochaete chrysosporium. Microbial Ecology, 1990, 20, 197-209.	1.4	180
15	Deleterious iron-mediated oxidation of biomolecules1 1This article is part of a series of reviews on â€œIron and Cellular Redox Status.â€•The full list of papers may be found on the homepage of the journal. 6 6Guest Editor: Mario Comporti. Free Radical Biology and Medicine, 2002, 32, 577-583.	1.3	180
16	The role of iron in oxygen radical mediated lipid peroxidation. Chemico-Biological Interactions, 1989, 71, 1-19.	1.7	175
17	Peroxidase Substrates Stimulate the Oxidation of Hydralazine to Metabolites Which Cause Single-Strand Breaks in DNA. Chemical Research in Toxicology, 1997, 10, 328-334.	1.7	171
18	THE ROLE OF SUPEROXIDE AND SINGLET OXYGEN IN LIPID PEROXIDATION. Photochemistry and Photobiology, 1978, 28, 803-809.	1.3	169

#	Article	IF	Citations
19	An investigation into the role of hydroxyl radical in xanthine oxidase-dependent lipid peroxidation. Archives of Biochemistry and Biophysics, 1982, 216, 142-151.	1.4	157
20	Thiol-dependent lipid peroxidation. Biochemical and Biophysical Research Communications, 1982, 107, 279-285.	1.0	140
21	The mechanism of liver microsomal lipid peroxidation. Biochimica Et Biophysica Acta - General Subjects, 1975, 385, 232-241.	1.1	129
22	Lignin peroxidase H2 from Phanerochaete chrysosporium: Purification, characterization and stability to temperature and pH. Archives of Biochemistry and Biophysics, 1990, 279, 158-166.	1.4	115
23	Release of iron from ferritin by cardiotoxic anthracycline antibiotics. Archives of Biochemistry and Biophysics, 1986, 248, 684-689.	1.4	111
24	Specific binding of polyhalogenated aromatic hydrocarbon inducers of cytochrome P-450d to the cytochrome and inhibition of its estradiol 2-hydroxylase activity. Toxicology and Applied Pharmacology, 1987, 90, 69-78.	1.3	109
25	Lactoperoxidase-catalyzed lipid peroxidation of microsomal and artificial membranes. Biochimica Et Biophysica Acta - General Subjects, 1976, 444, 192-201.	1.1	107
26	Cellobiose dehydrogenaseâ€“an extracellular fungal flavocytochrome. Enzyme and Microbial Technology, 2001, 28, 129-138.	1.6	106
27	The multiple effects of ethylenediaminetetraacetate in several model lipid peroxidation systems. Archives of Biochemistry and Biophysics, 1982, 218, 450-458.	1.4	104
28	Iron chelation prevents tissue injury following ischemia. Advances in Free Radical Biology & Medicine, 1985, 1, 1-17.	2.2	100
29	Brain iron delocalization and lipid peroxidation following cardiac arrest. Annals of Emergency Medicine, 1986, 15, 384-389.	0.3	99
30	Stabilization of the Veratryl Alcohol Cation Radical by Lignin Peroxidaseâ€. Biochemistry, 1996, 35, 6418-6424.	1.2	91
31	Ischemia, resuscitation, and reperfusion: Mechanisms of tissue injury and prospects for protection. American Heart Journal, 1986, 111, 768-780.	1.2	90
32	Evidence for Veratryl Alcohol as a Redox Mediator in Lignin Peroxidase-Catalyzed Oxidation. Biochemistry, 1995, 34, 5060-5065.	1.2	90
33	Production of hydroxyl radical by lignin peroxidase from Phanerochaete chrysosporium. Archives of Biochemistry and Biophysics, 1992, 298, 480-485.	1.4	87
34	Biodegradation of superabsorbent polymers in soil. Environmental Science and Pollution Research, 2000, 7, 83-88.	2.7	86
35	Postischemic tissue injury by iron-mediated free radical lipid peroxidation. Annals of Emergency Medicine, 1985, 14, 804-809.	0.3	83
36	Veratryl alcohol oxidation by lignin peroxidase. Biochemistry, 1995, 34, 16860-16869.	1.2	83

#	Article	IF	Citations
37	Rat liver microsomal NADPH-dependent release of iron from ferritin and lipid peroxidation. Journal of Free Radicals in Biology & Medicine, 1985, 1, 293-300.	2.1	79
38	Post resuscitation iron delocalization and malondialdehyde production in the brain following prolonged cardiac arrest. Journal of Free Radicals in Biology & Medicine, 1985, 1, 111-116.	2.1	79
39	Identification of free radicals produced during phacoemulsification. Journal of Cataract and Refractive Surgery, 2001, 27, 463-470.	0.7	77
40	Role of Calcium in Maintaining the Heme Environment of Manganese Peroxidaseâ€. Biochemistry, 1997, 36, 3654-3662.	1.2	75
41	Studies on the structure-activity relationships for the metabolism of polybrominated biphenyls by rat liver microsomes. Toxicology and Applied Pharmacology, 1985, 78, 96-104.	1.3	73
42	Pollutant Degradation by White Rot Fungi. Reviews of Environmental Contamination and Toxicology, 1994, 138, 49-72.	0.7	72
43	Brain injury by ischemic anoxia: Hypothesis extension â€" A tale of two ions?. Annals of Emergency Medicine, 1984, 13, 862-867.	0.3	70
44	Induction of liver microsomal drug-metabolizing enzymes by 2,2â€²,4,4â€²,5,5â€²-hexabromobiphenyl. Toxicology and Applied Pharmacology, 1978, 44, 309-321.	1.3	69
45	Inhibition of metabolic cooperation in Chinese hamster V79 cells in culture by various polybrominated biphenyl (PBB) congeners. Carcinogenesis, 1982, 3, 181-185.	1.3	69
46	Heterologous expression of active manganese peroxidase from Phanerochaete chrysosporium using the baculovirus expression system. Biochemical and Biophysical Research Communications, 1991, 179, 897-903.	1.0	66
47	Polybrominated biphenyls as promoters in experimental hepatocarcinogenesis in rats. Carcinogenesis, 1982, 3, 1183-1186.	1.3	64
48	Effect of hydrogen peroxide on the initiation of microsomal lipid peroxidation. Biochemical Pharmacology, 1983, 32, 123-127.	2.0	64
49	2,4,5,3â€²,4â€²,5â€²-hexabromobiphenyl is both a 3-methylcholanthrene-and a phenobarbital-type inducer of microsomal drug metabolizing enzymes. Biochemical and Biophysical Research Communications, 1978, 85, 450-458.	1.0	61
50	Cardiac arrest and resuscitation: Brain iron delocalization during reperfusion. Annals of Emergency Medicine, 1985, 14, 1037-1043.	0.3	58
51	TCDD (2, 3, 7, 8-tetrachlorodibenzo-p-dioxin) is a tight binding inhibitor of cytochromep-450D. Journal of Biochemical Toxicology, 1989, 4, 105-109.	0.5	58
52	Biodegradation of crosslinked acrylic polymers by a white-rot fungus. Environmental Science and Pollution Research, 1997, 4, 16-20.	2.7	58
53	Reductive Dehalogenation of Aliphatic Halocarbons by Lignin Peroxidase of Phanerochaete chrysosporium. Environmental Science & Technology, 1995, 29, 719-725.	4.6	56
54	Rabbit liver microsomal lipid peroxidation The effect of lipid on the rate of peroxidation. Lipids and Lipid Metabolism, 1982, 712, 1-9.	2.6	55

#	Article	IF	Citations
55	Iron release from ferritin and lipid peroxidation by radiolytically generated reducing radicals. Archives of Biochemistry and Biophysics, 1988, 264, 238-243.	1.4	55
56	Effects of Glutathione on Fenton Reagent-Dependent Radical Production and DNA Oxidation. Archives of Biochemistry and Biophysics, 1995, 324, 111-116.	1.4	55
57	The Effects of Calcium on the Thermal Stability and Activity of Manganese Peroxidase. Archives of Biochemistry and Biophysics, 1996, 332, 128-134.	1.4	54
58	Relative Stability of Recombinant Versus Native Peroxidases fromPhanerochaete chrysosporium. Archives of Biochemistry and Biophysics, 1999, 365, 328-334.	1.4	54
59	Paraquat and ferritin-dependent lipid peroxidation. Journal of Free Radicals in Biology & Medicine, 1985, 1, 179-185.	2.1	52
60	Degradation of Chemicals by Reactive Radicals Produced by Cellobiose Dehydrogenase from Phanerochaete chrysosporium. Archives of Biochemistry and Biophysics, 1999, 367, 115-121.	1.4	52
61	The effects of 3-methylcholanthrene and phenobarbital induction on the structure of the rat liver endoplasmic reticulum. Biochimica Et Biophysica Acta - Biomembranes, 1974, 373, 197-210.	1.4	51
62	Release of Iron from Ferritin and its Role in Oxygen Radical Toxicities. Drug Metabolism Reviews, 1988, 19, 283-303.	1.5	49
63	Comparisons of warfarin metabolism by liver microsomes of rats treated with a series of polybrominated biphenyl congeners and by the component-purified cytochrome P-450 isozymes. Archives of Biochemistry and Biophysics, 1983, 225, 398-404.	1.4	48
64	Ferritin as a source of iron and protection from iron-induced toxicities. Toxicology Letters, 1995, 82-83, 941-944.	0.4	47
65	EPR Detection and Characterization of Lignin Peroxidase Porphyrin Ï€-Cation Radicalâ€. Biochemistry, 1996, 35, 13107-13111.	1.2	47
66	Expression of the Lignin Peroxidase H2 Gene fromPhanerochaete chrysosporiuminEscherichia coli. Biochemical and Biophysical Research Communications, 1998, 249, 146-150.	1.0	47
67	Microsomal electron transport: Tetrazolium reduction by rat liver microsomal NADPH-cytochrome c reductase. Archives of Biochemistry and Biophysics, 1972, 153, 475-479.	1.4	46
68	Myocardial tissue iron delocalization and evidence for lipid peroxidation after two hours of ischemia. Annals of Emergency Medicine, 1986, 15, 1155-1159.	0.3	45
69	Natural course of iron delocalization and lipid peroxidation during the first eight hours following a 15-minute cardiac arrest in dogs. Annals of Emergency Medicine, 1987, 16, 1200-1205.	0.3	45
70	Use of white rot fungi in the degradation of environmental chemicals. Toxicology Letters, 1992, 64-65, 493-501.	0.4	45
71	Roles of Efficient Substrates in Enhancement of Peroxidase-Catalyzed Oxidations. Biochemistry, 1997, 36, 139-147.	1.2	45
72	Addition of Veratryl Alcohol Oxidase Activity to Manganese Peroxidase by Site-Directed Mutagenesis. Biochemical and Biophysical Research Communications, 1999, 256, 500-504.	1.0	45

#	Article	IF	Citations
73	Studies on cytochrome P-450-dependent lipid hydroperoxide reduction. Archives of Biochemistry and Biophysics, 1984, 233, 80-87.	1.4	44
74	Effect of Calcium on the Reversible Thermal Inactivation of Lignin Peroxidase. Archives of Biochemistry and Biophysics, 1997, 337, 225-231.	1.4	44
75	Engineering a Disulfide Bond in Recombinant Manganese Peroxidase Results in Increased Thermostability. Biotechnology Progress, 2000, 16, 326-333.	1.3	44
76	Measurement of Lipid Peroxidation. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 1999, 00, Unit 2.4.	1.1	43
77	Evidence for formation of the veratryl alcohol cation radical by lignin peroxidase. Biochemistry, 1995, 34, 6020-6025.	1.2	42
78	Lignin peroxidases can also oxidize manganese. Biochemistry, 1995, 34, 7773-7779.	1.2	41
79	Free radicals and environmental toxins. Annals of Emergency Medicine, 1986, 15, 1075-1083.	0.3	39
80	Slaframine. Structural Studies of a Parasympathomimetic Alkaloid of Fungal Origin. Journal of the American Chemical Society, 1966, 88, 2879-2880.	6.6	38
81	Mechanisms for Protection against Inactivation of Manganese Peroxidase by Hydrogen Peroxide. Archives of Biochemistry and Biophysics, 1998, 356, 287-295.	1.4	38
82	Purification and structural characterization of polybrominated biphenyl congeners. Biochemical and Biophysical Research Communications, 1978, 84, 936-942.	1.0	37
83	Effects of culture parameters on DDT [1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane] biodegradation by. Chemosphere, 1989, 19, 1387-1398.	4.2	37
84	Substrate Specificity of Lignin Peroxidase and a S168W Variant of Manganese Peroxidase. Archives of Biochemistry and Biophysics, 2000, 373, 147-153.	1.4	36
85	Effects of deferrioxamine on iron-catalyzed lipid peroxidation. Archives of Biochemistry and Biophysics, 1992, 295, 240-246.	1.4	35
86	Determination of Rate Constants for Rapid Peroxidase Reactions. Analytical Biochemistry, 1995, 231, 333-338.	1.1	35
87	Effects of 2,2â€²-Dibromobiphenyl and 2,2â€²,3,4,4â€²,5,5â€²-heptabromobiphenyl on liver microsomal drug metabolizing enzymes. Toxicology and Applied Pharmacology, 1979, 48, 73-86.	1.3	34
88	Biodegradation of Munition Waste, TNT (2,4,6-Trinitrotoluene), and RDX (Hexahydro-1,3,5-Trinitro-1,3,5-triazine) by Phanerochaete chrysosporium. ACS Symposium Series, 1991, , 214-232.	0.5	34
89	Spectral Changes of Lignin Peroxidase during Reversible Inactivation. Biochemistry, 1997, 36, 5113-5119.	1.2	34
90	Inducers of cytochrome P-450d: Influence on microsomal catalytic activities and differential regulation by enzyme stabilization. Archives of Biochemistry and Biophysics, 1988, 262, 76-84.	1.4	33

#	Article	IF	Citations
91	Thermodynamics of Binding of the Distal Calcium to Manganese Peroxidase. Biochemistry, 1997, 36, 8567-8573.	1.2	33
92	Effects of Ceruloplasmin on Superoxide-Dependent Iron Release from Ferritin and Lipid Peroxidation. Free Radical Research Communications, 1991, 12, 153-159.	1.8	32
93	Rat ceruloplasmin: Resistance to proteolysis and kinetic comparison with human ceruloplasmin. Archives of Biochemistry and Biophysics, 1992, 293, 1-8.	1.4	32
94	Intact Human Ceruloplasmin Is Required for the Incorporation of Iron into Human Ferritin. Archives of Biochemistry and Biophysics, 2000, 381, 119-126.	1.4	32
95	Biodegradation of 2,4,6-Trinitrotoluene by the White Rot Fungus Phanerochaete Chrysosporium. , 1995, , 117-133.		32
96	Superoxide-dependent redox cycling of citrate-Fe3+: Evidence for a superoxide dismutaselike activity. Archives of Biochemistry and Biophysics, 1987, 253, 257-267.	1.4	31
97	In vitro loading of apoferritin. Archives of Biochemistry and Biophysics, 1992, 293, 409-415.	1.4	31
98	Stoichiometry of Fe(II) oxidation during ceruloplasmin-catalyzed loading of ferritin. Archives of Biochemistry and Biophysics, 1992, 298, 259-264.	1.4	30
99	The role of cysteine residues in the oxidation of ferritin. Free Radical Biology and Medicine, 2002, 33, 399-408.	1.3	29
100	The molecular weight of NADPH-cytochrome C reductase isolated by immunoprecipitation from detergent-solubilized rat liver microsomes. Biochemical and Biophysical Research Communications, 1973, 54, 161-167.	1.0	28
101	Comparative studies of rat liver and lung NADPH-cytochrome c reductase. Biochimica Et Biophysica Acta - General Subjects, 1975, 385, 371-379.	1.1	27
102	Free Radicals Produced during the Oxidation of Hydrazines by Hypochlorous Acid. Chemical Research in Toxicology, 1996, 9, 1333-1339.	1.7	27
103	Cellobiose dehydrogenase-dependent biodegradation of polyacrylate polymers by Phanerochaete chrysosporium. Environmental Science and Pollution Research, 2000, 7, 130-134.	2.7	27
104	Liver microsomal enzyme induction and toxicity studies with 2,4,5,3â€²,4â€²-pentabromobiphenyl. Toxicology and Applied Pharmacology, 1982, 64, 187-203.	1.3	26
105	Toxicity of 3,4,5,3â€²,4â€²,5â€²-hexabrominated biphenyl and 3,4,3â€²,4â€²-tetrabrominated biphenyl. Toxicology and Applied Pharmacology, 1985, 78, 88-95.	1.3	26
106	Expression and Loading of Recombinant Heavy and Light Chain Homopolymers of Rat Liver Ferritin. Archives of Biochemistry and Biophysics, 1996, 335, 197-204.	1.4	26
107	Detection and Characterization of the Lignin Peroxidase Compound IIâ^'Veratryl Alcohol Cation Radical Complexâ€. Biochemistry, 1997, 36, 14181-14185.	1.2	26
108	[48] Iron redox reactions and lipid peroxidation. Methods in Enzymology, 1990, 186, 457-463.	0.4	25

#	Article	IF	Citations
109	Metabolism of cyanide by Phanerochaete chrysosporium. Archives of Biochemistry and Biophysics, 1991, 290, 173-178.	1.4	25
110	Stimulation of the Ferroxidase Activity of Ceruloplasmin during Iron Loading into Ferritin. Archives of Biochemistry and Biophysics, 1997, 347, 242-248.	1.4	25
111	Pulmonary Ferritin: Differential Effects of Hyperoxic Lung Injury on Subunit mRNA Levels. Free Radical Biology and Medicine, 1997, 22, 901-908.	1.3	25
112	Effect of varying the length of exposure to polybrominated biphenyls on the development of gamma-glutamyl transpeptidase enzymealtered foci. Carcinogenesis, 1984, 5, 63-66.	1.3	24
113	The role of metals in the enzymatic and nonenzymatic oxidation of epinephrine. Journal of Biochemical Toxicology, 1993, 8, 33-39.	0.5	24
114	Modification of ferritin during iron loading. Free Radical Biology and Medicine, 2001, 31, 999-1006.	1.3	24
115	Evidence for the bioactivation of slaframine. Biochemical Pharmacology, 1969, 18, 929-932.	2.0	23
116	Redox Mediation in the Peroxidase-Catalyzed Oxidation of Aminopyrine:â€‰ Possible Implications for Drugâ^'Drug Interactions. Chemical Research in Toxicology, 1996, 9, 476-483.	1.7	23
117	Effects of Mn2+and Oxalate on the Catalatic Activity of Manganese Peroxidase. Biochemical and Biophysical Research Communications, 1997, 239, 645-649.	1.0	23
118	Effect on biochemical markers of brain injury of therapy with deferoxamine or superoxide dismutase following cardiac arrest. American Journal of Emergency Medicine, 1988, 6, 569-576.	0.7	22
119	Loading of Iron into Recombinant Rat Liver Ferritin Heteropolymers by Ceruloplasmin. Archives of Biochemistry and Biophysics, 1997, 341, 280-286.	1.4	22
120	Evidence for a Proteinâ€“Protein Complex during Iron Loading into Ferritin by Ceruloplasmin. Archives of Biochemistry and Biophysics, 1998, 354, 165-171.	1.4	22
121	Alloxan- and glutathione-dependent ferritin iron release and lipid peroxidation. Archives of Biochemistry and Biophysics, 1989, 269, 407-414.	1.4	21
122	The effect of TCDD on Acyl CoA: Retinol acyltransferase activity and vitamin a accumulation in the kidney of male sprague-dawley rats. Journal of Biochemical Toxicology, 1990, 5, 155-160.	0.5	21
123	Degradation of pentachlorophenol in soil by Phanerochaete chrysosporium. Journal of Hazardous Materials, 1995, 41, 177-183.	6.5	20
124	Studies on the Interaction between Ferritin and Ceruloplasmin. Archives of Biochemistry and Biophysics, 1998, 355, 56-62.	1.4	20
125	Purification of polybrominated biphenyl congeners. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1982, 9, 423-438.	1.1	19
126	Inhibition of lignin peroxidase H2 by sodium azide. Archives of Biochemistry and Biophysics, 1991, 288, 456-462.	1.4	19

#	Article	IF	Citations
127	Kinetics and Reactivity of the Flavin and Heme Cofactors of Cellobiose Dehydrogenase from Phanerochaete chrysosporium. Biochemistry, 2000, 39, 13595-13601.	1.2	19
128	Role of Disulfide Bonds in the Stability of Recombinant Manganese Peroxidase. Biochemistry, 2001, 40, 8161-8168.	1.2	19
129	Properties of a transplasma membrane redox system of Phanerochaete chrysosporium. Archives of Biochemistry and Biophysics, 1995, 320, 369-374.	1.4	18
130	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) Biodegradation in Liquid and Solid-State Matrices byPhanerochaete chrysosporium. Bioremediation Journal, 2001, 5, 13-25.	1.0	18
131	The consequences of hydroxyl radical formation on the stoichiometry and kinetics of ferrous iron oxidation by human apoferritin. Free Radical Biology and Medicine, 2001, 31, 1007-1017.	1.3	18
132	Vanadate-dependent NAD(P)H oxidation by microsomal enzymes. Archives of Biochemistry and Biophysics, 1989, 270, 137-143.	1.4	17
133	The Effects of Different Buffers on the Oxidation of DNA by Thiols and Ferric Iron. Journal of Biochemical and Molecular Toxicology, 1998, 12, 125-132.	1.4	17
134	Iron Loading into Ferritin by an Intracellular Ferroxidase. Archives of Biochemistry and Biophysics, 1998, 359, 69-76.	1.4	17
135	Detoxification and Metabolism of Chemicals by White-Rot Fungi. ACS Symposium Series, 2003, , 3-14.	0.5	16
136	Active Oxygen and Toxicity. Advances in Experimental Medicine and Biology, 1986, 197, 513-526.	0.8	16
137	Biodegradation of Chlorinated Organic Compounds by Phanerochaete chrysosporium, a Wood-Rotting Fungus. ACS Symposium Series, 1987, , 340-349.	0.5	15
138	Relationship between reduced nicotinamide adenine dinucleotide phosphate-dependent lipid peroxidation and drug hydroxylation in rat liver inicrosomes. Biochemical Pharmacology, 1974, 23, 2467-2469.	2.0	14
139	[33] Detection of hemoproteins in SDS-polyacrylamide gels. Methods in Enzymology, 1978, 52, 324-331.	0.4	14
140	Brain cortex tissue Ca, Mg, Fe, Na, and K following resuscitation from cardiac arrest in dogs. American Journal of Emergency Medicine, 1987, 5, 19-23.	0.7	14
141	Inhibition of veratryl alcohol oxidase activity of lignin peroxidase H2 by 3-amino-1,2,4-triazole. Archives of Biochemistry and Biophysics, 1992, 293, 287-291.	1.4	14
142	The Effect of Manganese on the Oxidation of Chemicals by Lignin Peroxidase. Biochemistry, 1995, 34, 12624-12629.	1.2	14
143	Identification of a major component of polybrominated biphenyls as 2,2â€², 3,4,4â€², 5,5â€²-heptabromobiphenyl. Bulletin of Environmental Contamination and Toxicology, 1978, 20, 478-483.	1.3	13
144	Importance of the polyunsaturated fatty acid to vitamin E ratio in the resistance of rat lung microsomes to lipid peroxidation. Journal of Free Radicals in Biology & Medicine, 1986, 2, 397-403.	2.1	13

#	Article	IF	Citations
145	The effect of 3,4,3â€²,4â€²-tetrachlorobiphenyl on plasma retinol and hepatic retinyl palmitate hydrolase activity in female Sprague-Dawley rats. Toxicology and Applied Pharmacology, 1987, 89, 370-377.	1.3	13
146	Metal Ions, Oxygen Radicals and Tissue Damage. Forum of Nutrition, 1989, 43, 266-277.	3.7	13
147	Kinetics of Calcium Release from Manganese Peroxidase during Thermal Inactivation. Archives of Biochemistry and Biophysics, 1997, 342, 169-175.	1.4	12
148	Production of Recombinant Human Apoferritin Heteromers. Archives of Biochemistry and Biophysics, 2000, 384, 116-122.	1.4	12
149	Inhibition of 2-aminofluorene mutagenesis in bacteria by inducers of cytochrome P-450d. Carcinogenesis, 1988, 9, 327-329.	1.3	11
150	Effects of (+)-1,2-bis(3,5-dioxopiperazin-1-yl)propane (ADR-529) on iron-catalyzed lipid peroxidation. Chemical Research in Toxicology, 1990, 3, 384-390.	1.7	11
151	Oxidation of 1,2,4,5-Tetramethoxybenzene by Lignin Peroxidase ofPhanerochaete chrysosporium. Archives of Biochemistry and Biophysics, 1996, 326, 261-265.	1.4	11
152	The Effect of Veratryl Alcohol on Manganese Oxidation by Lignin Peroxidases. Archives of Biochemistry and Biophysics, 1996, 327, 20-26.	1.4	11
153	Suppression of Cell Growth by Heavy Chain Ferritin. Biochemical and Biophysical Research Communications, 1998, 242, 39-45.	1.0	11
154	Thiobarbituric Acid Assay Reactants. , 1994, , 367-376.		11
155	Transferrin-dependent lipid peroxidation. Journal of Free Radicals in Biology & Medicine, 1986, 2, 99-105.	2.1	10
156	Relationship of basic research in toxicology to environmental standard setting: the case of polybrominated biphenyls in Michigan. Archives of Toxicology, 1987, 60, 229-237.	1.9	10
157	Mutational Analysis of the Four Î±-Helix Bundle Iron-Loading Channel of Rat Liver Ferritin. Archives of Biochemistry and Biophysics, 1998, 352, 71-77.	1.4	10
158	Transformation of 2,4,6-Trinitrotoluene (TNT) Reduction Products by Lignin Peroxidase (H8) from the White-Rot BasidiomycetePhanerochaete chrysosporium. Bioremediation Journal, 2000, 4, 135-145.	1.0	10
159	Evidence against multiple forms of reduced nicotinamide adenine dinucleotide phosphate-cytochrome c reductase in rat liver microsomes. Biochemical Pharmacology, 1975, 24, 1641-1644.	2.0	9
160	The Effect of Putative Nucleation Sites on the Loading and Stability of Iron in Ferritin. Archives of Biochemistry and Biophysics, 1998, 350, 259-265.	1.4	9
161	The effect of copper deficiency on the formation of hemosiderin in sprague-dawley rats. BioMetals, 2007, 20, 829-839.	1.8	9
162	Quantification of hydroxyl radical produced during phacoemulsification. Journal of Cataract and Refractive Surgery, 2009, 35, 2149-2153.	0.7	9

#	Article	IF	Citations
163	Iron and Phosphate Content of Rat Ferritin Heteropolymers. Archives of Biochemistry and Biophysics, 1998, 357, 293-298.	1.4	8
164	Effect of Modified Hemes on the Spectral Properties and Activity of Manganese Peroxidase. Archives of Biochemistry and Biophysics, 1998, 359, 291-296.	1.4	8
165	The role of tyrosinase in the inactivation of house fly microsomal mixed-function oxidases. Pesticide Biochemistry and Physiology, 1977, 7, 564-572.	1.6	7
166	Hydroxyl free radical production during torsional phacoemulsification. Journal of Cataract and Refractive Surgery, 2010, 36, 2146-2149.	0.7	7
167	Iron Redox Reactions and Lipid Peroxidation. , 1988, 49, 137-144.		6
168	Photolysis products of 2,4,5,2?,4?,5?-hexabromobiphenyl: Hepatic microsomal enzyme induction and toxicity in Sprague-Dawley rats*1. Fundamental and Applied Toxicology, 1985, 5, 555-567.	1.9	5
169	Mechanisms of Degradation by White Rot Fungi. Environmental Health Perspectives, 1995, 103, 59.	2.8	5
170	Mutational Analysis of Loading of Iron into Rat Liver Ferritin by Ceruloplasmin. Archives of Biochemistry and Biophysics, 1999, 361, 295-301.	1.4	5
171	Degradation of Cyanides by the White Rot Fungus Phanerochaete chrysosporium. ACS Symposium Series, 1993, , 191-202.	0.5	4
172	Impact of Nutrients on Cellular Lipid Peroxidation and Antioxidant Defense System. Toxicological Sciences, 1995, 26, 1-7.	1.4	4
173	Free Radical Reactions of Wood-Degrading Fungi. ACS Symposium Series, 2003, , 16-31.	0.5	4
174	Determining the local origin of hydroxyl radical generation during phacoemulsification. Journal of Cataract and Refractive Surgery, 2011, 37, 1154-1159.	0.7	4
175	TRANSITION METALS IN OXIDATIVE STRESS: AN OVERVIEW. , 1991, , 802-807.		4
176	EVIDENCE FOR THE INITIATION OF LIPID PEROXIDATION BY A FERROUSDIOXYGEN- FERRIC CHELATE COMPLEX. , 1984, , 147-154.		4
177	The effects of nonadecafluoro-n-decanoic acid on serum retinol and hepatic retinyl palmitate hydrolase activity in male sprague-dawley rats. Journal of Biochemical Toxicology, 1986, 1, 27-42.	0.5	3
178	Toxicity and Microsomal Enzyme Induction Effects of Several Polybrominated Biphenyls of Firemaster. Toxicological Sciences, 1982, 2, 313-321.	1.4	1
179	Biodegradation of Dioxin and Dioxin-Like Compounds by White-Rot Fungi. , 1998, , 61-73.		1
180	Oxidation of Environmental Pollutants by Lignin Peroxidases from White Rot Fungi. , 1990, , 453-464.		1

#	Article	IF	Citations
181	Reconstitution of Some Biochemical and Toxicological Effects of Commercial Mixtures of Polybrominated Biphenyls. Toxicological Sciences, 1982, 2, 322-326.	1.4	0
182	Redox Cycling and Lipid Peroxidation: The Central Role of Iron Chelates. Toxicological Sciences, 1983, 3, 222-226.	1.4	0
183	Photolysis Products of 2,4,5,2â€²,4â€²,5â€²-Hexabromobiphenyl: Hepatic Microsomal Enzyme Induction and Toxicity in Sprague-Dawley Rats. Toxicological Sciences, 1985, 5, 555-567.	1.4	0
184	Bioremediation Monitoring. Environmental Health Perspectives, 2005, 113, A444.	2.8	0
185	Occurrence and clinical manifestations of lupinosis and slaframine toxicosis. , 1986, , 81-90.		0