

Steven D Aust

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

185
papers

17,651
citations

52
h-index

131
g-index

188
ext. papers

18,502
ext. citations

4
avg, IF

6.34
L-index

#	Paper	IF	Citations
185	Microsomal lipid peroxidation. <i>Methods in Enzymology</i> , 1978 , 52, 302-10	1.7	8010
184	Role of metals in oxygen radical reactions. <i>Journal of Free Radicals in Biology & Medicine</i> , 1985 , 1, 3-25		918
183	Mechanisms white rot fungi use to degrade pollutants. <i>Environmental Science & Technology</i> , 1994 , 28, 78A-87A	10.3	274
182	Microsomal Electron Transport. <i>Journal of Biological Chemistry</i> , 1973 , 248, 7134-7141	5.4	257
181	Studies of ascorbate-dependent, iron-catalyzed lipid peroxidation. <i>Archives of Biochemistry and Biophysics</i> , 1989 , 271, 113-9	4.1	232
180	Iron autoxidation and free radical generation: effects of buffers, ligands, and chelators. <i>Archives of Biochemistry and Biophysics</i> , 2002 , 397, 360-9	4.1	229
179	Redox cycling of iron and lipid peroxidation. <i>Lipids</i> , 1992 , 27, 219-26	1.6	222
178	The requirement for ferric in the initiation of lipid peroxidation by chelated ferrous iron. <i>Biochemical and Biophysical Research Communications</i> , 1983 , 111, 777-84	3.4	220
177	The role of iron in the initiation of lipid peroxidation. <i>Chemistry and Physics of Lipids</i> , 1987 , 44, 191-208	3.7	214
176	Biodegradation of environmental pollutants by the white rot fungus <i>Phanerochaete chrysosporium</i> : Involvement of the lignin degrading system. <i>BioEssays</i> , 1987 , 6, 166-170	4.1	205
175	The role of iron in oxygen-mediated toxicities. <i>Critical Reviews in Toxicology</i> , 1992 , 22, 119-41	5.7	202
174	An investigation into the mechanism of citrate-Fe ²⁺ -dependent lipid peroxidation. <i>Free Radical Biology and Medicine</i> , 1987 , 3, 379-87	7.8	184
173	Multiplicity of cytochrome P450 hemoproteins in rat liver microsomes. <i>Biochemical and Biophysical Research Communications</i> , 1974 , 56, 898-906	3.4	179
172	The role of iron in oxygen radical mediated lipid peroxidation. <i>Chemico-Biological Interactions</i> , 1989 , 71, 1-19	5	162
171	Deleterious iron-mediated oxidation of biomolecules. <i>Free Radical Biology and Medicine</i> , 2002 , 32, 577-83	3.8	160
170	Degradation of environmental pollutants by <i>Phanerochaete chrysosporium</i> . <i>Microbial Ecology</i> , 1990 , 20, 197-209	4.4	151
169	An investigation into the role of hydroxyl radical in xanthine oxidase-dependent lipid peroxidation. <i>Archives of Biochemistry and Biophysics</i> , 1982 , 216, 142-51	4.1	150

168	The role of superoxide and singlet oxygen in lipid peroxidation. <i>Photochemistry and Photobiology</i> , 1978 , 28, 803-9	3.6	150
167	Peroxidase substrates stimulate the oxidation of hydralazine to metabolites which cause single-strand breaks in DNA. <i>Chemical Research in Toxicology</i> , 1997 , 10, 328-34	4	142
166	Thiol-dependent lipid peroxidation. <i>Biochemical and Biophysical Research Communications</i> , 1982 , 107, 279-85	3.4	136
165	The mechanism of liver microsomal lipid peroxidation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1975 , 385, 232-41	4	122
164	Release of iron from ferritin by cardiotoxic anthracycline antibiotics. <i>Archives of Biochemistry and Biophysics</i> , 1986 , 248, 684-9	4.1	103
163	Lignin peroxidase H2 from <i>Phanerochaete chrysosporium</i> : purification, characterization and stability to temperature and pH. <i>Archives of Biochemistry and Biophysics</i> , 1990 , 279, 158-66	4.1	102
162	Specific binding of polyhalogenated aromatic hydrocarbon inducers of cytochrome P-450d to the cytochrome and inhibition of its estradiol 2-hydroxylase activity. <i>Toxicology and Applied Pharmacology</i> , 1987 , 90, 69-78	4.6	100
161	The multiple effects of ethylenediaminetetraacetate in several model lipid peroxidation systems. <i>Archives of Biochemistry and Biophysics</i> , 1982 , 218, 450-8	4.1	98
160	Lactoperoxidase-catalyzed lipid peroxidation of microsomal and artificial membranes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1976 , 444, 192-201	4	95
159	Brain iron delocalization and lipid peroxidation following cardiac arrest. <i>Annals of Emergency Medicine</i> , 1986 , 15, 384-9	2.1	91
158	Cellobiose dehydrogenase-an extracellular fungal flavocytochrome. <i>Enzyme and Microbial Technology</i> , 2001 , 28, 129-138	3.8	90
157	Iron chelation prevents tissue injury following ischemia. <i>Advances in Free Radical Biology & Medicine</i> , 1985 , 1, 1-17		89
156	Stabilization of the veratryl alcohol cation radical by lignin peroxidase. <i>Biochemistry</i> , 1996 , 35, 6418-24	3.2	83
155	Postischemic tissue injury by iron-mediated free radical lipid peroxidation. <i>Annals of Emergency Medicine</i> , 1985 , 14, 804-9	2.1	82
154	Evidence for veratryl alcohol as a redox mediator in lignin peroxidase-catalyzed oxidation. <i>Biochemistry</i> , 1995 , 34, 5060-5	3.2	81
153	Ischemia, resuscitation, and reperfusion: mechanisms of tissue injury and prospects for protection. <i>American Heart Journal</i> , 1986 , 111, 768-80	4.9	80
152	Rat liver microsomal NADPH-dependent release of iron from ferritin and lipid peroxidation. <i>Journal of Free Radicals in Biology & Medicine</i> , 1985 , 1, 293-300		76
151	Post resuscitation iron delocalization and malondialdehyde production in the brain following prolonged cardiac arrest. <i>Journal of Free Radicals in Biology & Medicine</i> , 1985 , 1, 111-6		75

150	Production of hydroxyl radical by lignin peroxidase from <i>Phanerochaete chrysosporium</i> . <i>Archives of Biochemistry and Biophysics</i> , 1992 , 298, 480-5	4.1	72
149	Role of calcium in maintaining the heme environment of manganese peroxidase. <i>Biochemistry</i> , 1997 , 36, 3654-62	3.2	70
148	Biodegradation of superabsorbent polymers in soil. <i>Environmental Science and Pollution Research</i> , 2000 , 7, 83-8	5.1	70
147	Veratryl alcohol oxidation by lignin peroxidase. <i>Biochemistry</i> , 1995 , 34, 16860-9	3.2	68
146	Brain injury by ischemic anoxia: hypothesis extension--a tale of two ions?. <i>Annals of Emergency Medicine</i> , 1984 , 13, 862-7	2.1	67
145	Studies on the structure-activity relationships for the metabolism of polybrominated biphenyls by rat liver microsomes. <i>Toxicology and Applied Pharmacology</i> , 1985 , 78, 96-104	4.6	64
144	Inhibition of metabolic cooperation in Chinese hamster V79 cells in culture by various polybrominated biphenyl (PBB) congeners. <i>Carcinogenesis</i> , 1982 , 3, 181-5	4.6	64
143	Effect of hydrogen peroxide on the initiation of microsomal lipid peroxidation. <i>Biochemical Pharmacology</i> , 1983 , 32, 123-7	6	63
142	Induction of liver microsomal drug-metabolizing enzymes by 2,2,4,4,5,5-hexabromobiphenyl. <i>Toxicology and Applied Pharmacology</i> , 1978 , 44, 309-21	4.6	63
141	Identification of free radicals produced during phacoemulsification. <i>Journal of Cataract and Refractive Surgery</i> , 2001 , 27, 463-70	2.3	61
140	Heterologous expression of active manganese peroxidase from <i>Phanerochaete chrysosporium</i> using the baculovirus expression system. <i>Biochemical and Biophysical Research Communications</i> , 1991 , 179, 897-903	3.4	57
139	Cardiac arrest and resuscitation: brain iron delocalization during reperfusion. <i>Annals of Emergency Medicine</i> , 1985 , 14, 1037-43	2.1	57
138	2,4,5,3,4,5-Hexabromobiphenyl is both a 3-methylcholanthrene- and a phenobarbital-type inducer of microsomal drug metabolizing enzymes. <i>Biochemical and Biophysical Research Communications</i> , 1978 , 85, 450-8	3.4	57
137	Polybrominated biphenyls as promoters in experimental hepatocarcinogenesis in rats. <i>Carcinogenesis</i> , 1982 , 3, 1183-6	4.6	55
136	Iron release from ferritin and lipid peroxidation by radiolytically generated reducing radicals. <i>Archives of Biochemistry and Biophysics</i> , 1988 , 264, 238-43	4.1	53
135	TCDD (2,3,7,8-tetrachlorodibenzo-p-dioxin) is a tight binding inhibitor of cytochrome P-450d. <i>Journal of Biochemical Toxicology</i> , 1989 , 4, 105-9		52
134	Rabbit liver microsomal lipid peroxidation. The effect of lipid on the rate of peroxidation. <i>Lipids and Lipid Metabolism</i> , 1982 , 712, 1-9		52
133	Reductive Dehalogenation of Aliphatic Halocarbons by Lignin Peroxidase of <i>Phanerochaete chrysosporium</i> . <i>Environmental Science & Technology</i> , 1995 , 29, 719-25	10.3	51

132	Effects of glutathione on Fenton reagent-dependent radical production and DNA oxidation. <i>Archives of Biochemistry and Biophysics</i> , 1995 , 324, 111-6	4.1	51
131	The effects of calcium on the thermal stability and activity of manganese peroxidase. <i>Archives of Biochemistry and Biophysics</i> , 1996 , 332, 128-34	4.1	50
130	Relative stability of recombinant versus native peroxidases from <i>Phanerochaete chrysosporium</i> . <i>Archives of Biochemistry and Biophysics</i> , 1999 , 365, 328-34	4.1	49
129	Paraquat and ferritin-dependent lipid peroxidation. <i>Journal of Free Radicals in Biology & Medicine</i> , 1985 , 1, 179-85		49
128	The effects of 3-methylcholanthrene and phenobarbital induction on the structure of the rat liver endoplasmic reticulum. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1974 , 373, 197-210	3.8	48
127	Pollutant degradation by white rot fungi. <i>Reviews of Environmental Contamination and Toxicology</i> , 1994 , 138, 49-72	3.5	48
126	Biodegradation of crosslinked acrylic polymers by a white-rot fungus. <i>Environmental Science and Pollution Research</i> , 1997 , 4, 16-20	5.1	47
125	EPR detection and characterization of lignin peroxidase porphyrin pi-cation radical. <i>Biochemistry</i> , 1996 , 35, 13107-11	3.2	46
124	Release of iron from ferritin and its role in oxygen radical toxicities. <i>Drug Metabolism Reviews</i> , 1988 , 19, 283-303	7	46
123	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. <i>Archives of Biochemistry and Biophysics</i> , 1983 , 225, 398-404	4.1	46
122	Natural course of iron delocalization and lipid peroxidation during the first eight hours following a 15-minute cardiac arrest in dogs. <i>Annals of Emergency Medicine</i> , 1987 , 16, 1200-5	2.1	44
121	Degradation of chemicals by reactive radicals produced by cellobiose dehydrogenase from <i>Phanerochaete chrysosporium</i> . <i>Archives of Biochemistry and Biophysics</i> , 1999 , 367, 115-21	4.1	43
120	Studies on cytochrome P-450-dependent lipid hydroperoxide reduction. <i>Archives of Biochemistry and Biophysics</i> , 1984 , 233, 80-7	4.1	43
119	Microsomal electron transport: tetrazolium reduction by rat liver microsomal NADPH-cytochrome c reductase. <i>Archives of Biochemistry and Biophysics</i> , 1972 , 153, 475-9	4.1	43
118	Myocardial tissue iron delocalization and evidence for lipid peroxidation after two hours of ischemia. <i>Annals of Emergency Medicine</i> , 1986 , 15, 1155-9	2.1	42
117	Roles of efficient substrates in enhancement of peroxidase-catalyzed oxidations. <i>Biochemistry</i> , 1997 , 36, 139-47	3.2	41
116	Effect of calcium on the reversible thermal inactivation of lignin peroxidase. <i>Archives of Biochemistry and Biophysics</i> , 1997 , 337, 225-31	4.1	41
115	Expression of the lignin peroxidase H2 gene from <i>Phanerochaete chrysosporium</i> in <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 1998 , 249, 146-50	3.4	41

114	Addition of veratryl alcohol oxidase activity to manganese peroxidase by site-directed mutagenesis. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 256, 500-4	3.4	40
113	Ferritin as a source of iron and protection from iron-induced toxicities. <i>Toxicology Letters</i> , 1995 , 82-83, 941-4	4.4	40
112	Engineering a disulfide bond in recombinant manganese peroxidase results in increased thermostability. <i>Biotechnology Progress</i> , 2000 , 16, 326-33	2.8	39
111	Evidence for formation of the veratryl alcohol cation radical by lignin peroxidase. <i>Biochemistry</i> , 1995 , 34, 6020-5	3.2	39
110	Use of white rot fungi in the degradation of environmental chemicals. <i>Toxicology Letters</i> , 1992 , 64-65 Spec No, 493-501	4.4	39
109	Mechanisms for protection against inactivation of manganese peroxidase by hydrogen peroxide. <i>Archives of Biochemistry and Biophysics</i> , 1998 , 356, 287-95	4.1	38
108	Free radicals and environmental toxins. <i>Annals of Emergency Medicine</i> , 1986 , 15, 1075-83	2.1	36
107	Substrate specificity of lignin peroxidase and a S168W variant of manganese peroxidase. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 373, 147-53	4.1	35
106	Effects of deferoxamine on iron-catalyzed lipid peroxidation. <i>Archives of Biochemistry and Biophysics</i> , 1992 , 295, 240-6	4.1	34
105	Effects of culture parameters on DDT [1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane] biodegradation by. <i>Chemosphere</i> , 1989 , 19, 1387-1398	8.4	34
104	Lignin peroxidases can also oxidize manganese. <i>Biochemistry</i> , 1995 , 34, 7773-9	3.2	33
103	Determination of rate constants for rapid peroxidase reactions. <i>Analytical Biochemistry</i> , 1995 , 231, 333-8.	3.1	33
102	Inducers of cytochrome P-450d: influence on microsomal catalytic activities and differential regulation by enzyme stabilization. <i>Archives of Biochemistry and Biophysics</i> , 1988 , 262, 76-84	4.1	33
101	Spectral changes of lignin peroxidase during reversible inactivation. <i>Biochemistry</i> , 1997 , 36, 5113-9	3.2	32
100	Purification and structural characterization of polybrominated biphenyl congeners. <i>Biochemical and Biophysical Research Communications</i> , 1978 , 84, 936-42	3.4	32
99	Slafamine. Structural Studies of a Parasympathomimetic Alkaloid of Fungal Origin. <i>Journal of the American Chemical Society</i> , 1966 , 88, 2879-2880	16.4	32
98	Rat ceruloplasmin: resistance to proteolysis and kinetic comparison with human ceruloplasmin. <i>Archives of Biochemistry and Biophysics</i> , 1992 , 293, 1-8	4.1	31
97	In vitro loading of apoferritin. <i>Archives of Biochemistry and Biophysics</i> , 1992 , 293, 409-15	4.1	31

96	Intact human ceruloplasmin is required for the incorporation of iron into human ferritin. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 381, 119-26	4.1	30
95	Effects of 2,2-Dibromobiphenyl and 2,2,3,4,4,5,5-Heptabromobiphenyl on liver microsomal drug metabolizing enzymes. <i>Toxicology and Applied Pharmacology</i> , 1979 , 48, 73-86	4.6	30
94	Thermodynamics of binding of the distal calcium to manganese peroxidase. <i>Biochemistry</i> , 1997 , 36, 8567-8573	3.23	29
93	Measurement of lipid peroxidation. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2001 , Chapter 2, Unit 2.4	1	29
92	Superoxide-dependent redox cycling of citrate-Fe ³⁺ : evidence for a superoxide dismutase-like activity. <i>Archives of Biochemistry and Biophysics</i> , 1987 , 253, 257-67	4.1	29
91	Biodegradation of Munition Waste, TNT (2,4,6-Trinitrotoluene), and RDX (Hexahydro-1,3,5-Trinitro-1,3,5-triazine) by Phanerochaete chrysosporium. <i>ACS Symposium Series</i> , 1991 , 214-232	0.4	27
90	Stoichiometry of Fe(II) oxidation during ceruloplasmin-catalyzed loading of ferritin. <i>Archives of Biochemistry and Biophysics</i> , 1992 , 298, 259-64	4.1	27
89	Effects of ceruloplasmin on superoxide-dependent iron release from ferritin and lipid peroxidation. <i>Free Radical Research Communications</i> , 1991 , 12-13 Pt 1, 153-9		27
88	The molecular weight of NADPH-cytochrome C reductase isolated by immunoprecipitation from detergent-solubilized rat liver microsomes. <i>Biochemical and Biophysical Research Communications</i> , 1973 , 54, 161-7	3.4	27
87	Biodegradation of 2,4,6-Trinitrotoluene by the White Rot Fungus Phanerochaete Chrysosporium 1995 , 117-133		26
86	Free radicals produced during the oxidation of hydrazines by hypochlorous acid. <i>Chemical Research in Toxicology</i> , 1996 , 9, 1333-9	4	25
85	Expression and loading of recombinant heavy and light chain homopolymers of rat liver ferritin. <i>Archives of Biochemistry and Biophysics</i> , 1996 , 335, 197-204	4.1	25
84	Comparative studies of rat liver and lung NADPH-cytochrome c reductase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1975 , 385, 371-9	4	25
83	The role of cysteine residues in the oxidation of ferritin. <i>Free Radical Biology and Medicine</i> , 2002 , 33, 399-408	4.8	24
82	Liver microsomal enzyme induction and toxicity studies with 2,4,5,3,4-Pentabromobiphenyl. <i>Toxicology and Applied Pharmacology</i> , 1982 , 64, 187-203	4.6	24
81	Pulmonary ferritin: differential effects of hyperoxic lung injury on subunit mRNA levels. <i>Free Radical Biology and Medicine</i> , 1997 , 22, 901-8	7.8	23
80	Iron redox reactions and lipid peroxidation. <i>Methods in Enzymology</i> , 1990 , 186, 457-63	1.7	23
79	Metabolism of cyanide by Phanerochaete chrysosporium. <i>Archives of Biochemistry and Biophysics</i> , 1991 , 290, 173-8	4.1	23

78	Detection and characterization of the lignin peroxidase compound II-veratryl alcohol cation radical complex. <i>Biochemistry</i> , 1997 , 36, 14181-5	3.2	22
77	Stimulation of the ferroxidase activity of ceruloplasmin during iron loading into ferritin. <i>Archives of Biochemistry and Biophysics</i> , 1997 , 347, 242-8	4.1	22
76	Modification of ferritin during iron loading. <i>Free Radical Biology and Medicine</i> , 2001 , 31, 999-1006	7.8	22
75	Redox mediation in the peroxidase-catalyzed oxidation of aminopyrine: possible implications for drug-drug interactions. <i>Chemical Research in Toxicology</i> , 1996 , 9, 476-83	4	22
74	Effect on biochemical markers of brain injury of therapy with deferoxamine or superoxide dismutase following cardiac arrest. <i>American Journal of Emergency Medicine</i> , 1988 , 6, 569-76	2.9	22
73	Toxicity of 3,4,5,3',4',5'-hexabrominated biphenyl and 3,4,3',4'-tetrabrominated biphenyl. <i>Toxicology and Applied Pharmacology</i> , 1985 , 78, 88-95	4.6	22
72	Loading of iron into recombinant rat liver ferritin heteropolymers by ceruloplasmin. <i>Archives of Biochemistry and Biophysics</i> , 1997 , 341, 280-6	4.1	21
71	Effects of Mn ²⁺ and oxalate on the catalytic activity of manganese peroxidase. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 239, 645-9	3.4	21
70	Effect of varying the length of exposure to polybrominated biphenyls on the development of gamma-glutamyl transpeptidase enzyme-altered foci. <i>Carcinogenesis</i> , 1984 , 5, 63-6	4.6	21
69	Cellobiose dehydrogenase-dependent biodegradation of polyacrylate polymers by <i>Phanerochaete chrysosporium</i> . <i>Environmental Science and Pollution Research</i> , 2000 , 7, 130-4	5.1	20
68	The role of metals in the enzymatic and nonenzymatic oxidation of epinephrine. <i>Journal of Biochemical Toxicology</i> , 1993 , 8, 33-9		20
67	Kinetics and reactivity of the flavin and heme cofactors of cellobiose dehydrogenase from <i>Phanerochaete chrysosporium</i> . <i>Biochemistry</i> , 2000 , 39, 13595-601	3.2	19
66	The effect of TCDD on acyl CoA:retinol acyltransferase activity and vitamin A accumulation in the kidney of male Sprague-Dawley rats. <i>Journal of Biochemical Toxicology</i> , 1990 , 5, 155-60		19
65	Evidence for a protein-protein complex during iron loading into ferritin by ceruloplasmin. <i>Archives of Biochemistry and Biophysics</i> , 1998 , 354, 165-71	4.1	18
64	Properties of a transplasma membrane redox system of <i>Phanerochaete chrysosporium</i> . <i>Archives of Biochemistry and Biophysics</i> , 1995 , 320, 369-74	4.1	18
63	Alloxan- and glutathione-dependent ferritin iron release and lipid peroxidation. <i>Archives of Biochemistry and Biophysics</i> , 1989 , 269, 407-14	4.1	18
62	Evidence for the bioactivation of slaframine. <i>Biochemical Pharmacology</i> , 1969 , 18, 929-32	6	18
61	The effects of different buffers on the oxidation of DNA by thiols and ferric iron. <i>Journal of Biochemical and Molecular Toxicology</i> , 1998 , 12, 125-32	3.4	17

60	The consequences of hydroxyl radical formation on the stoichiometry and kinetics of ferrous iron oxidation by human apoferritin. <i>Free Radical Biology and Medicine</i> , 2001 , 31, 1007-17	7.8	17
59	Role of disulfide bonds in the stability of recombinant manganese peroxidase. <i>Biochemistry</i> , 2001 , 40, 8161-8	3.2	17
58	Studies on the interaction between ferritin and ceruloplasmin. <i>Archives of Biochemistry and Biophysics</i> , 1998 , 355, 56-62	4.1	17
57	Degradation of pentachlorophenol in soil by <i>Phanerochaete chrysosporium</i> . <i>Journal of Hazardous Materials</i> , 1995 , 41, 177-183	12.8	17
56	Iron loading into ferritin by an intracellular ferroxidase. <i>Archives of Biochemistry and Biophysics</i> , 1998 , 359, 69-76	4.1	16
55	Vanadate-dependent NAD(P)H oxidation by microsomal enzymes. <i>Archives of Biochemistry and Biophysics</i> , 1989 , 270, 137-43	4.1	16
54	Inhibition of lignin peroxidase H2 by sodium azide. <i>Archives of Biochemistry and Biophysics</i> , 1991 , 288, 456-62	4.1	16
53	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) Biodegradation in Liquid and Solid-State Matrices by <i>Phanerochaete chrysosporium</i> . <i>Bioremediation Journal</i> , 2001 , 5, 13-25	2.3	15
52	Detoxification and Metabolism of Chemicals by White-Rot Fungi. <i>ACS Symposium Series</i> , 2003 , 3-14	0.4	14
51	Purification of polybrominated biphenyl congeners. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1982 , 9, 423-38	3.2	14
50	Active oxygen and toxicity. <i>Advances in Experimental Medicine and Biology</i> , 1986 , 197, 513-26	3.6	14
49	Inhibition of veratryl alcohol oxidase activity of lignin peroxidase H2 by 3-amino-1,2,4-triazole. <i>Archives of Biochemistry and Biophysics</i> , 1992 , 293, 287-91	4.1	13
48	Brain cortex tissue Ca, Mg, Fe, Na, and K following resuscitation from cardiac arrest in dogs. <i>American Journal of Emergency Medicine</i> , 1987 , 5, 19-23	2.9	13
47	The effect of 3,4,3',4'-tetrachlorobiphenyl on plasma retinol and hepatic retinyl palmitate hydrolase activity in female Sprague-Dawley rats. <i>Toxicology and Applied Pharmacology</i> , 1987 , 89, 370-7	4.6	13
46	Detection of hemoproteins in SDS-polyacrylamide gels. <i>Methods in Enzymology</i> , 1978 , 52, 324-31	1.7	13
45	Relationship between reduced nicotinamide adenine dinucleotide phosphate-dependent lipid peroxidation and drug hydroxylation in rat liver microsomes. <i>Biochemical Pharmacology</i> , 1974 , 23, 2467-9	6	12
44	Kinetics of calcium release from manganese peroxidase during thermal inactivation. <i>Archives of Biochemistry and Biophysics</i> , 1997 , 342, 169-75	4.1	11
43	Production of recombinant human apoferritin heteromers. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 384, 116-22	4.1	11

42	Suppression of cell growth by heavy chain ferritin. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 242, 39-45	3.4	11
41	The effect of manganese on the oxidation of chemicals by lignin peroxidase. <i>Biochemistry</i> , 1995 , 34, 1263-9	3.4	11
40	The effect of veratryl alcohol on manganese oxidation by lignin peroxidase. <i>Archives of Biochemistry and Biophysics</i> , 1996 , 327, 20-6	4.1	11
39	Effects of (+)-1,2-bis(3,5-dioxopiperazin-1-yl)propane (ADR-529) on iron-catalyzed lipid peroxidation. <i>Chemical Research in Toxicology</i> , 1990 , 3, 384-90	4	11
38	Biodegradation of Chlorinated Organic Compounds by Phanerochaete chrysosporium, a Wood-Rotting Fungus. <i>ACS Symposium Series</i> , 1987 , 340-349	0.4	11
37	Inhibition of 2-aminofluorene mutagenesis in bacteria by inducers of cytochrome P-450d. <i>Carcinogenesis</i> , 1988 , 9, 327-9	4.6	11
36	Importance of the polyunsaturated fatty acid to vitamin E ratio in the resistance of rat lung microsomes to lipid peroxidation. <i>Journal of Free Radicals in Biology & Medicine</i> , 1986 , 2, 397-403		11
35	Metal ions, oxygen radicals and tissue damage. <i>Forum of Nutrition</i> , 1989 , 43, 266-77		10
34	Transferrin-dependent lipid peroxidation. <i>Journal of Free Radicals in Biology & Medicine</i> , 1986 , 2, 99-105		10
33	Identification of a major component of polybrominated biphenyls as 2,2',3,4,4',5,5'-heptabromobiphenyl. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1978 , 20, 478-83	2.7	10
32	Mutational analysis of the four alpha-helix bundle iron-loading channel of rat liver ferritin. <i>Archives of Biochemistry and Biophysics</i> , 1998 , 352, 71-7	4.1	9
31	Oxidation of 1,2,4,5-tetramethoxybenzene by lignin peroxidase of Phanerochaete chrysosporium. <i>Archives of Biochemistry and Biophysics</i> , 1996 , 326, 261-5	4.1	9
30	Relationship of basic research in toxicology to environmental standard setting: the case of polybrominated biphenyls in Michigan. <i>Archives of Toxicology</i> , 1987 , 60, 229-37	5.8	9
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