

Willem H Koppenol

List of Publications by Year in Descending Order

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

209
papers

19,868
citations

63
h-index

139
g-index

235
ext. papers

21,198
ext. citations

6.2
avg, IF

6.95
L-index

#	Paper	IF	Citations
209	A resurrection of the Haber-Weiss reaction.. <i>Nature Communications</i> , 2022 , 13, 396	17.4	0
208	Comment on "Theoretical investigations on hydrogen peroxide decomposition in aquo" by T. Tsuneda and T. Taketsugu, , 2018, , 24992. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 26004-26005	3.6	1
207	Thinking Outside the Cage: A New Hypothesis That Accounts for Variable Yields of Radicals from the Reaction of CO with ONOO. <i>Chemical Research in Toxicology</i> , 2020 , 33, 1516-1527	4	7
206	The Haber-Weiss reaction - The latest revival. <i>Free Radical Biology and Medicine</i> , 2019 , 145, 221-222	7.8	11
205	Iron and redox cycling. Do M and don't ts . <i>Free Radical Biology and Medicine</i> , 2019 , 133, 3-10	7.8	81
204	Reaction of CO with ONOO: One Molecule of CO Is Not Enough. <i>Chemical Research in Toxicology</i> , 2018 , 31, 721-730	4	9
203	Rust never sleeps: The continuing story of the Iron Bolt. <i>Free Radical Biology and Medicine</i> , 2018 , 124, 353-357	7.8	1
202	Chemistry of Peroxynitrite and Its Relevance to Biological Systems 2018 , 597-619		2
201	Low-Temperature Trapping of Intermediates in the Reaction of NO with O. <i>Inorganic Chemistry</i> , 2017 , 56, 4846-4851	5.1	3
200	Signaling by sulfur-containing molecules. Quantitative aspects. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 617, 3-8	4.1	44
199	Hydrocarbon Proton Exchange Membranes 2017 , 107-138		1
198	Jumpstarting the cytochrome P450 catalytic cycle with a hydrated electron. <i>Journal of Biological Chemistry</i> , 2017 , 292, 21481-21489	5.4	9
197	Hydrogen peroxide, from Wieland to Sies. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 595, 9-12	4.1	1
196	How to name new chemical elements (IUPAC Recommendations 2016). <i>Pure and Applied Chemistry</i> , 2016 , 88, 401-405	2.1	29
195	Electrode Potentials of l-Tryptophan, l-Tyrosine, 3-Nitro-l-tyrosine, 2,3-Difluoro-l-tyrosine, and 2,3,5-Trifluoro-l-tyrosine. <i>Biochemistry</i> , 2016 , 55, 2849-56	3.2	14
194	Superoxide-mediated post-translational modification of tyrosine residues. <i>Free Radical Biology and Medicine</i> , 2015 , 86, S17-S18	7.8	0
193	Protein thiyl radical reactions and product formation: a kinetic simulation. <i>Free Radical Biology and Medicine</i> , 2015 , 80, 158-63	7.8	31

192	Iron(II) binding by cereal beta-glucan. <i>Carbohydrate Polymers</i> , 2015 , 115, 739-43	10.3	9
191	Standard electrode potentials involving radicals in aqueous solution: inorganic radicals (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2015 , 87, 1139-1150	2.1	211
190	Primary photochemistry of peroxynitrite in aqueous solution. <i>Chemical Physics Letters</i> , 2015 , 641, 187-192	5	
189	Concurrent cooperativity and substrate inhibition in the epoxidation of carbamazepine by cytochrome P450 3A4 active site mutants inspired by molecular dynamics simulations. <i>Biochemistry</i> , 2015 , 54, 711-21	3.2	31
188	Redox properties and activity of iron-citrate complexes: evidence for redox cycling. <i>Chemical Research in Toxicology</i> , 2015 , 28, 604-14	4	38
187	Rapid reaction of superoxide with insulin-tyrosyl radicals to generate a hydroperoxide with subsequent glutathione addition. <i>Free Radical Biology and Medicine</i> , 2014 , 70, 86-95	7.8	24
186	ONOOH does not react with H ₂ : Potential beneficial effects of H ₂ as an antioxidant by selective reaction with hydroxyl radicals and peroxynitrite. <i>Free Radical Biology and Medicine</i> , 2014 , 75, 191-4	7.8	17
185	Why selenocysteine replaces cysteine in thioredoxin reductase: a radical hypothesis. <i>Biochemistry</i> , 2014 , 53, 5017-22	3.2	25
184	The kinetics of the reaction of nitrogen dioxide with iron(II)- and iron(III) cytochrome c. <i>Free Radical Biology and Medicine</i> , 2014 , 69, 172-80	7.8	12
183	Intramolecular 1,2- and 1,3-Hydrogen Transfer Reactions of Thiyl Radicals. <i>Israel Journal of Chemistry</i> , 2014 , 54, 265-271	3.4	8
182	Repair of Protein Radicals by Antioxidants. <i>Israel Journal of Chemistry</i> , 2014 , 54, 254-264	3.4	11
181	The complex interplay of iron metabolism, reactive oxygen species, and reactive nitrogen species: insights into the potential of various iron therapies to induce oxidative and nitrosative stress. <i>Free Radical Biology and Medicine</i> , 2013 , 65, 1174-1194	7.8	262
180	Decomposition kinetics of peroxynitrite: influence of pH and buffer. <i>Dalton Transactions</i> , 2013 , 42, 9898-995	4.95	35
179	Reactions of the tetraoxidosulfate(II) and hydroxyl radicals with poly(sodium β -methylstyrene sulfonate). <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 4975-83	3.6	8
178	Cytochrome c and superoxide. <i>Journal of Biological Inorganic Chemistry</i> , 2013 , 18, 865-6	3.7	
177	Standard electrode potentials involving radicals in aqueous solution: inorganic radicals. <i>Bioinorganic Reaction Mechanisms</i> , 2013 , 9,		40
176	Why do proteins use selenocysteine instead of cysteine?. <i>Amino Acids</i> , 2012 , 42, 39-44	3.5	53
175	Efficient depletion of ascorbate by amino acid and protein radicals under oxidative stress. <i>Free Radical Biology and Medicine</i> , 2012 , 53, 1565-73	7.8	10

174	Nitrosation, thiols, and hemoglobin: energetics and kinetics. <i>Inorganic Chemistry</i> , 2012 , 51, 5637-41	5.1	49
173	Peroxynitrous acid: controversy and consensus surrounding an enigmatic oxidant. <i>Dalton Transactions</i> , 2012 , 41, 13779-87	4.3	53
172	Hydrogen exchange equilibria in thiols. <i>Chemical Research in Toxicology</i> , 2012 , 25, 1862-7	4	17
171	Reversible hydrogen transfer reactions in thiyl radicals from cysteine and related molecules: absolute kinetics and equilibrium constants determined by pulse radiolysis. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 5329-41	3.4	40
170	Chemical characterization of the smallest S-nitrosothiol, HSNO; cellular cross-talk of H ₂ S and S-nitrosothiols. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12016-27	16.4	267
169	Fast repair of protein radicals by urate. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 1929-36	7.8	26
168	Water increases rates of epoxidation by Mn(III)porphyrins/imidazole/IO ₄ (-) in CH ₂ Cl ₂ . Analogy with peroxidase and chlorite dismutase. <i>Dalton Transactions</i> , 2011 , 40, 8695-700	4.3	18
167	Otto Warburg's contributions to current concepts of cancer metabolism. <i>Nature Reviews Cancer</i> , 2011 , 11, 325-37	31.3	1912
166	Reaction of SO ₄ ^{•-} with an oligomer of poly(sodium styrene sulfonate). Probing the mechanism of damage to fuel cell membranes. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 12429-34	3.6	8
165	Kinetic Simulation of the Chemical Stabilization Mechanism in Fuel Cell Membranes Using Cerium and Manganese Redox Couples. <i>Journal of the Electrochemical Society</i> , 2011 , 159, B211-B218	3.9	74
164	Radicals in Fuel Cell Membranes: Mechanisms of Formation and Ionomer Attack. <i>ECS Transactions</i> , 2011 , 41, 1431-1439	1	2
163	Radical (HO [•] , H [•] and HOO [•]) Formation and Ionomer Degradation in Polymer Electrolyte Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2011 , 158, B755	3.9	178
162	Selenium and sulfur in exchange reactions: a comparative study. <i>Journal of Organic Chemistry</i> , 2010 , 75, 6696-9	4.2	119
161	Hydrogen exchange equilibria in glutathione radicals: rate constants. <i>Chemical Research in Toxicology</i> , 2010 , 23, 1596-600	4	36
160	Distance-dependent diffusion-controlled reaction of NO and O ₂ at chemical equilibrium with ONOO ⁻ . <i>Journal of Physical Chemistry B</i> , 2010 , 114, 16584-93	3.4	26
159	Damage to fuel cell membranes. Reaction of HO [*] with an oligomer of poly(sodium styrene sulfonate) and subsequent reaction with O ₂ . <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 11609-16	3.6	27
158	Reduction of protein radicals by GSH and ascorbate: potential biological significance. <i>Amino Acids</i> , 2010 , 39, 1131-7	3.5	76
157	Electrode potentials of partially reduced oxygen species, from dioxygen to water. <i>Free Radical Biology and Medicine</i> , 2010 , 49, 317-22	7.8	222

156	Efficient repair of protein radicals by ascorbate. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 1049-57	7.8	56
155	Intermediates in the autoxidation of nitrogen monoxide. <i>Chemistry - A European Journal</i> , 2009 , 15, 6161-8	7.8	48
154	Peroxynitrate is formed rapidly during decomposition of peroxynitrite at neutral pH. <i>Dalton Transactions</i> , 2009 , 5730-6	4.3	37
153	Photon-initiated homolysis of peroxynitrous acid. <i>Inorganic Chemistry</i> , 2009 , 48, 7307-12	5.1	7
152	Preparation and properties of lithium and sodium peroxynitrite. <i>Chemical Research in Toxicology</i> , 2008 , 21, 2257-9	4	4
151	Kinetics of tyrosyl radical reduction by selenocysteine. <i>Biochemistry</i> , 2008 , 47, 9602-7	3.2	26
150	Antioxidant nanoreactor based on superoxide dismutase encapsulated in superoxide-permeable vesicles. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 8211-7	3.4	96
149	P51. Intermediates in the autoxidation of nitrogen monoxide. <i>Nitric Oxide - Biology and Chemistry</i> , 2008 , 19, 54-55	5	
148	Reversible intramolecular hydrogen transfer between cysteine thiyl radicals and glycine and alanine in model peptides: absolute rate constants derived from pulse radiolysis and laser flash photolysis. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 15034-44	3.4	64
147	Oxygen activation by cytochrome p450: a thermodynamic analysis. <i>Journal of the American Chemical Society</i> , 2007 , 129, 9686-90	16.4	38
146	Homolysis of the peroxynitrite anion detected with permanganate. <i>Inorganic Chemistry</i> , 2007 , 46, 10655-8	5.1	13
145	The glutathione thiyl radical does not react with nitrogen monoxide. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 360, 146-8	3.4	14
144	Oxidation-state-dependent reactions of cytochrome c with the trioxidocarbonate(*1-) radical: a pulse radiolysis study. <i>Journal of Biological Inorganic Chemistry</i> , 2007 , 12, 118-25	3.7	9
143	Dissociation of CP20 from Iron(II)(cp20)3: A Pulse Radiolysis Study. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 671-675	2.3	11
142	Fenton chemistry and iron chelation under physiologically relevant conditions: Electrochemistry and kinetics. <i>Chemical Research in Toxicology</i> , 2006 , 19, 1263-9	4	73
141	Two pathways of carbon dioxide catalyzed oxidative coupling of phenol by peroxynitrite. <i>Chemical Research in Toxicology</i> , 2006 , 19, 382-91	4	10
140	Catalysis of electron transfer by selenocysteine. <i>Biochemistry</i> , 2006 , 45, 6038-43	3.2	84
139	Intramolecular addition of cysteine thiyl radicals to phenylalanine in peptides: formation of cyclohexadienyl type radicals. <i>Chemical Communications</i> , 2005 , 3400-2	5.8	12

138	Calmodulin methionine residues are targets for one-electron oxidation by hydroxyl radicals: formation of S[therefore]N three-electron bonded radical complexes. <i>Chemical Communications</i> , 2005 , 587-9	5.8	20
137	On the chemical and electrochemical one-electron reduction of peroxyxynitrous acid. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 965-9	2.8	14
136	Qualitative and quantitative determination of nitrite and nitrate with ion chromatography. <i>Methods in Enzymology</i> , 2005 , 396, 61-8	1.7	17
135	Peroxyxynitrite efficiently mediates the interconversion of redox intermediates of myeloperoxidase. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 337, 944-54	3.4	33
134	Kinetics properties of Cu,Zn-superoxide dismutase as a function of metal content. <i>Archives of Biochemistry and Biophysics</i> , 2005 , 439, 234-40	4.1	25
133	Peroxyxynitritometal complexes. <i>Coordination Chemistry Reviews</i> , 2005 , 249, 499-506	23.2	44
132	Chemiluminescence of Pholasin caused by peroxyxynitrite. <i>Free Radical Biology and Medicine</i> , 2005 , 38, 1014-22	7.8	17
131	Redox cycling of iron complexes of N-(dithiocarboxy)sarcosine and N-methyl-D-glucamine dithiocarbamate. <i>Free Radical Biology and Medicine</i> , 2005 , 39, 1581-90	7.8	7
130	Paneth, IUPAC, and the Naming of Elements. <i>Helvetica Chimica Acta</i> , 2005 , 88, 95-99	2	12
129	Inhibition of the Fenton reaction by nitrogen monoxide. <i>Journal of Biological Inorganic Chemistry</i> , 2005 , 10, 732-8	3.7	35
128	The kinetics of oxidation of GSH by protein radicals. <i>Biochemical Journal</i> , 2005 , 392, 693-701	3.8	66
127	Mechanistic insight into the peroxidase catalyzed nitration of tyrosine derivatives by nitrite and hydrogen peroxide. <i>FEBS Journal</i> , 2004 , 271, 895-906		53
126	Redox Properties of the Iron Complexes of Orally Active Iron Chelators CP20, CP502, CP509, and ICL670. <i>Helvetica Chimica Acta</i> , 2004 , 87, 3021-3034	2	36
125	UV photolysis of 3-nitrotyrosine generates highly oxidizing species: a potential source of photooxidative stress. <i>Chemical Research in Toxicology</i> , 2004 , 17, 1227-35	4	9
124	Kinetics evidence for a complex between peroxyxynitrous acid and titanium(IV). <i>Inorganic Chemistry</i> , 2004 , 43, 4805-7	5.1	4
123	Preventing nitrite contamination in tetramethylammonium peroxyxynitrite solutions. <i>Inorganic Chemistry</i> , 2004 , 43, 6519-21	5.1	15
122	Human peroxiredoxin 5 is a peroxyxynitrite reductase. <i>FEBS Letters</i> , 2004 , 571, 161-5	3.8	153
121	The mechanisms of S-nitrosothiol decomposition catalyzed by iron. <i>Nitric Oxide - Biology and Chemistry</i> , 2004 , 10, 60-73	5	69

120	Peroxynitrous acid--where is the hydroxyl radical?. <i>IUBMB Life</i> , 2003 , 55, 567-72	4.7	31
119	Peroxynitrite-mediated oxidation of dichlorodihydrofluorescein and dihydrorhodamine. <i>Free Radical Biology and Medicine</i> , 2003 , 35, 676-82	7.8	51
118	Rapid scavenging of peroxynitrous acid by monohydroascorbate. <i>Free Radical Biology and Medicine</i> , 2003 , 35, 1529-37	7.8	23
117	Oxidation of Nitrite by Peroxynitrous Acid. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 1763-1769	2.8	29
116	Evaluation of Activation Volumes for the Conversion of Peroxynitrous to Nitric Acid. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 11261-11263	2.8	9
115	Reaction of peroxynitrite with carbon dioxide: intermediates and determination of the yield of CO ₃ ⁻ and NO ₂ [*] . <i>Journal of Biological Inorganic Chemistry</i> , 2002 , 7, 31-6	3.7	78
114	The Haber-Weiss cycle 11 years later. <i>Redox Report</i> , 2002 , 7, 59-60	5.9	37
113	Studies of metal-binding properties of Cu,Zn superoxide dismutase by isothermal titration calorimetry. <i>Methods in Enzymology</i> , 2002 , 349, 115-23	1.7	4
112	The Rate Constant of the Reaction of Superoxide with Nitrogen Monoxide: Approaching the Diffusion Limit. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 4084-4086	2.8	159
111	Naming of new elements(IUPAC Recommendations 2002). <i>Pure and Applied Chemistry</i> , 2002 , 74, 787-791	2.1	30
110	NO nomenclature?. <i>Nitric Oxide - Biology and Chemistry</i> , 2002 , 6, 96-8	5	11
109	Product distribution of peroxynitrite decay as a function of pH, temperature, and concentration. <i>Journal of the American Chemical Society</i> , 2002 , 124, 234-9	16.4	106
108	Names for muonium and hydrogen atoms and their ions(IUPAC Recommendations 2001). <i>Pure and Applied Chemistry</i> , 2001 , 73, 377-379	2.1	7
107	100 years of peroxynitrite chemistry and 11 years of peroxynitrite biochemistry. <i>Redox Report</i> , 2001 , 6, 339-41	5.9	34
106	The Haber-Weiss cycle--70 years later. <i>Redox Report</i> , 2001 , 6, 229-34	5.9	322
105	On the oxidation of cytochrome c by hypohalous acids. <i>Archives of Biochemistry and Biophysics</i> , 2001 , 389, 110-22	4.1	48
104	Oxidation of NADH by chloramines and chloramides and its activation by iodide and by tertiary amines. <i>Archives of Biochemistry and Biophysics</i> , 2001 , 393, 297-307	4.1	18
103	Gibbs energy of formation of peroxynitrite. <i>Chemical Research in Toxicology</i> , 2001 , 14, 348-50	4	11

102	Synthesis and Characterization of Tris(tetraethylammonium) Pentacyanoperoxynitritocobaltate(III). <i>Helvetica Chimica Acta</i> , 2000 , 83, 748-754	2	32
101	Reactions of Peroxynitrite with Phenolic and Carbonyl Compounds: Flavonoids are not Scavengers of Peroxynitrite. <i>Helvetica Chimica Acta</i> , 2000 , 83, 2412-2424	2	22
100	Peroxynitrite does not decompose to singlet oxygen ((1)Delta (g)O(2)) and nitroxyl (NO(-)). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 10307-12	11.5	80
99	Names for inorganic radicals (IUPAC Recommendations 2000). <i>Pure and Applied Chemistry</i> , 2000 , 72, 437-446	2.1	27
98	Mechanism of reaction of myeloperoxidase with nitrite. <i>Journal of Biological Chemistry</i> , 2000 , 275, 20597-601	5.4	183
97	The quantitative oxidation of methionine to methionine sulfoxide by peroxynitrite. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 377, 266-72	4.1	54
96	On the irreversible destruction of reduced nicotinamide nucleotides by hypohalous acids. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 380, 181-91	4.1	56
95	The preparation of apo-Cu,Zn superoxide dismutase by ion-exchange chromatography on iminodiacetic acid-sepharose. <i>Protein Expression and Purification</i> , 2000 , 19, 53-6	2	11
94	Peroxynitrite studied by stopped-flow spectroscopy. <i>Methods in Enzymology</i> , 1999 , 301, 342-52	1.7	15
93	Conformation of peroxynitrite: determination by crystallographic analysis. <i>Chemical Research in Toxicology</i> , 1999 , 12, 305-7	4	23
92	Chemistry of peroxynitrite and its relevance to biological systems. <i>Metal Ions in Biological Systems</i> , 1999 , 36, 597-619		12
91	The basic chemistry of nitrogen monoxide and peroxynitrite. <i>Free Radical Biology and Medicine</i> , 1998 , 25, 385-91	7.8	264
90	Hydrogen Isotope Effect on the Isomerization of Peroxynitrous Acid. <i>Helvetica Chimica Acta</i> , 1998 , 81, 1201-1206	2	17
89	A Pulse Radiolysis Study of an Imidazolato-Bridged Asymmetric Dicopper(II) Complex: A Structural and Functional Mimic of Superoxide Dismutase. <i>European Journal of Inorganic Chemistry</i> , 1998 , 1998, 1939-1943	2.3	7
88	Formation and properties of peroxynitrite as studied by laser flash photolysis, high-pressure stopped-flow technique, and pulse radiolysis volume 10, number 11, november 1997, pp 1285-1292. <i>Chemical Research in Toxicology</i> , 1998 , 11, 557	4	12
87	Can O=NOOH undergo homolysis?. <i>Chemical Research in Toxicology</i> , 1998 , 11, 87-90	4	98
86	Kinetic study of the reaction of glutathione peroxidase with peroxynitrite. <i>Chemical Research in Toxicology</i> , 1998 , 11, 1398-401	4	100
85	Peroxynitrite uncloaked?. <i>Chemical Research in Toxicology</i> , 1998 , 11, 716-7	4	21

84	The reaction of peroxynitrite with zeaxanthin. <i>Nitric Oxide - Biology and Chemistry</i> , 1998 , 2, 8-16	5	26
83	The chemistry of peroxynitrite, a biological toxin. <i>Quimica Nova</i> , 1998 , 21, 326-331	1.6	11
82	Formation and properties of peroxynitrite as studied by laser flash photolysis, high-pressure stopped-flow technique, and pulse radiolysis. <i>Chemical Research in Toxicology</i> , 1997 , 10, 1285-92	4	543
81	Thermodynamics of reactions involving nitrogen-oxygen compounds. <i>Methods in Enzymology</i> , 1996 , 268, 7-12	1.7	44
80	Syntheses of peroxynitrite: to go with the flow or on solid grounds?. <i>Methods in Enzymology</i> , 1996 , 269, 296-302	1.7	170
79	Kinetic study of the reaction of ebselen with peroxynitrite. <i>FEBS Letters</i> , 1996 , 398, 179-82	3.8	139
78	Nitration and hydroxylation of phenolic compounds by peroxynitrite. <i>Chemical Research in Toxicology</i> , 1996 , 9, 232-40	4	144
77	Nitric oxide, superoxide, and peroxynitrite: the good, the bad, and ugly. <i>American Journal of Physiology - Cell Physiology</i> , 1996 , 271, C1424-37	5.4	4107
76	Is your manuscript ready for Free Radical Redox Report of Research in Biology and Medicine? A guide for authors. <i>Redox Report</i> , 1996 , 2, 83-4	5.9	
75	Reaction of peroxynitrite with L-tryptophan. <i>Redox Report</i> , 1996 , 2, 349	5.9	3
74	Nitration and hydroxylation of phenolic compounds by peroxynitrite. <i>Methods in Enzymology</i> , 1996 , 269, 195-201	1.7	7
73	Reaction of peroxynitrite with L-tryptophan. <i>Redox Report</i> , 1996 , 2, 173-7	5.9	51
72	Ab Initio and NMR Study of Peroxynitrite and Peroxynitrous Acid: Important Biological Oxidants. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 15087-15095		78
71	The enthalpy of isomerization of peroxynitrite to nitrate. <i>Thermochimica Acta</i> , 1996 , 273, 11-15	2.9	16
70	Say NO to nitric oxide: nomenclature for nitrogen- and oxygen-containing compounds. <i>Methods in Enzymology</i> , 1996 , 268, 3-7	1.7	28
69	A practical method for preparing peroxynitrite solutions of low ionic strength and free of hydrogen peroxide. <i>Free Radical Biology and Medicine</i> , 1995 , 18, 75-83	7.8	151
68	The kinetics of the oxidation of L-ascorbic acid by peroxynitrite. <i>Free Radical Biology and Medicine</i> , 1995 , 18, 85-92	7.8	152
67	A Novel Hexanuclear FeIII-cis-Inositolato Complex as a Model for FeIII/Polyol Interactions in Aqueous Solution. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 2242-2243		20

66	On the pH-dependent yield of hydroxyl radical products from peroxynitrite. <i>Free Radical Biology and Medicine</i> , 1994 , 16, 331-8	7.8	168
65	The hazard of hydroxyl radicals, a reply. <i>Free Radical Biology and Medicine</i> , 1994 , 16, 289-290	7.8	1
64	NO comments. <i>Nature</i> , 1994 , 367, 28	50.4	7
63	Thermodynamic considerations on the formation of reactive species from hypochlorite, superoxide and nitrogen monoxide. Could nitrosyl chloride be produced by neutrophils and macrophages?. <i>FEBS Letters</i> , 1994 , 347, 5-8	3.8	42
62	Ab initio calculations on ONOOH and ONOO \cdot <i>International Journal of Quantum Chemistry</i> , 1993 , 48, 1-6	2.1	15
61	Binding of ferredoxin to ferredoxin:NADP ⁺ oxidoreductase: the role of carboxyl groups, electrostatic surface potential, and molecular dipole moment. <i>Protein Science</i> , 1993 , 2, 1126-35	6.3	97
60	ALS, SOD and peroxynitrite. <i>Nature</i> , 1993 , 364, 584	50.4	675
59	Ferredoxin binding site on ferredoxin: NADP ⁺ reductase. Differential chemical modification of free and ferredoxin-bound enzyme. <i>FEBS Journal</i> , 1993 , 216, 57-66		31
58	The centennial of the Fenton reaction. <i>Free Radical Biology and Medicine</i> , 1993 , 15, 645-51	7.8	187
57	A thermodynamic appraisal of the radical sink hypothesis. <i>Free Radical Biology and Medicine</i> , 1993 , 14, 91-4	7.8	52
56	Peroxynitrite, a cloaked oxidant formed by nitric oxide and superoxide. <i>Chemical Research in Toxicology</i> , 1992 , 5, 834-42	4	1245
55	The hydroxylation of tryptophan. <i>Archives of Biochemistry and Biophysics</i> , 1992 , 296, 514-20	4.1	106
54	The hydroxylation of phenylalanine and tyrosine: a comparison with salicylate and tryptophan. <i>Archives of Biochemistry and Biophysics</i> , 1992 , 296, 521-9	4.1	104
53	The quality of nutrition letters in free radical biology & medicine: A reply. <i>Free Radical Biology and Medicine</i> , 1992 , 13, 460	7.8	
52	The dipole moment of cytochrome c. <i>Molecular Biology and Evolution</i> , 1991 , 8, 545-58	8.3	32
51	Thermodynamic considerations on the generation of hydroxyl radicals from nitrous oxide--no laughing matter. <i>Free Radical Biology and Medicine</i> , 1991 , 10, 85-7	7.8	14
50	Oxyradicals and multivitamin tablets. <i>Free Radical Biology and Medicine</i> , 1991 , 11, 609-10	7.8	14
49	The superoxide dismutase activities of two higher valent manganese complexes, MnIV desferrioxamine and MnIII-cyclam. <i>Archives of Biochemistry and Biophysics</i> , 1991 , 289, 97-102	4.1	15

48	Spirohydantoin inhibitors of aldose reductase inhibit iron- and copper-catalysed ascorbate oxidation in vitro. <i>Biochemical Pharmacology</i> , 1991 , 42, 1273-8	6	24
47	What is in a name? Rules for radicals. <i>Free Radical Biology and Medicine</i> , 1990 , 9, 225-7	7.8	11
46	The hydroxylation of the salicylate anion by a Fenton reaction and T-radiolysis: a consideration of the respective mechanisms. <i>Free Radical Biology and Medicine</i> , 1990 , 8, 153-62	7.8	93
45	Distinction between hydroxyl radical and ferryl species. <i>Methods in Enzymology</i> , 1990 , 186, 148-56	1.7	52
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