Janusz M Gebicki

List of Publications by Year
in descending order

58	6,093	109321	133252
papers	citations	35 h-index	59 g-index

60	60	60	5080
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The role of lipid peroxidation and antioxidants in oxidative modification of LDL. Free Radical Biology and Medicine, 1992, 13, 341-390.	2.9	2,054
2	Hydroperoxide Assay with the Ferricâ€“Xylenol Orange Complex. Analytical Biochemistry, 1999, 273, 149-155.	2.4	357
3	A Critical Evaluation of the Effect of Sorbitol on the Ferricâ€“Xylenol Orange Hydroperoxide Assay. Analytical Biochemistry, 2000, 284, 217-220.	2.4	309
4	Proteins are major initial cell targets of hydroxyl free radicals. International Journal of Biochemistry and Cell Biology, 2004, 36, 2334-2343.	2.8	199
5	A spectrophotometric method for the determination of lipid hydroperoxides. Analytical Biochemistry, 1979, 99, 249-253.	2.4	175
6	Comparison of the capacities of the perhydroxyl and the superoxide radicals to initiate chain oxidation of linoleic acid. Journal of the American Chemical Society, 1981, 103, 7020-7022.	13.7	168
7	Oxidation of Î±-tocopherol in micelles and liposomes by the hydroxyl, perhydroxyl, and superoxide free radicals. Archives of Biochemistry and Biophysics, 1983, 226, 242-251.	3.0	166
8	Measurement of protein and lipid hydroperoxides in biological systems by the ferricâ€“xylenol orange method. Analytical Biochemistry, 2003, 315, 29-35.	2.4	151
9	Perchloric Acid Enhances Sensitivity and Reproducibility of the Ferricâ€“Xylenol Orange Peroxide Assay. Analytical Biochemistry, 2002, 304, 42-46.	2.4	150
10	Quantitative evaluation of the antioxidant properties of garlic and shallot preparations. Nutrition, 2006, 22, 266-274.	2.4	143
11	Antioxidant properties of some different molecular weight chitosans. Carbohydrate Research, 2009, 344, 1690-1696.	2.3	134
12	The effect of pH on the conversion of superoxide to hydroxyl free radicals. Archives of Biochemistry and Biophysics, 1984, 234, 258-264.	3.0	119
13	Antioxidant activities of chitosans and its derivatives in in vitro and in vivo studies. Carbohydrate Polymers, 2018, 199, 141-149.	10.2	115
14	Rate constants for reaction of hydroxyl radicals with Tris, Tricine and Hepes buffers. FEBS Letters, 1986, 199, 92-94.	2.8	113
15	Crosslinking of DNA and proteins induced by protein hydroperoxides. Biochemical Journal, 1999, 338, 629-636.	3.7	111
16	Peroxidation of proteins before lipids in U937 cells exposed to peroxyl radicals. Biochemical Journal, 2000, 350, 215-218.	3.7	94
17	Increased oxidizability of plasma lipoproteins in diabetic patients can be decreased by probucol therapy and is not due to glycation. Biochemical Pharmacology, 1992, 43, 995-1000.	4.4	92
18	Reduction of protein radicals by GSH and ascorbate: potential biological significance. Amino Acids, 2010, 39, 1131-1137.	2.7	87

#	Article	IF	Citations
19	[29] Iodometric determination of hydroperoxides in lipids and proteins. Methods in Enzymology, 1994, 233, 289-303.	1.0	85
20	Oxidative stress, free radicals and protein peroxides. Archives of Biochemistry and Biophysics, 2016, 595, 33-39.	3.0	84
21	Determination of Iron in Solutions with the Ferricâ€“Xylenol Orange Complex. Analytical Biochemistry, 1999, 273, 143-148.	2.4	78
22	The effect of pH on yields of hydroxyl radicals produced from superoxide by potential biological iron chelators. Archives of Biochemistry and Biophysics, 1986, 246, 581-588.	3.0	77
23	Antioxidant effects of a dietary supplement: Reduction of indices of oxidative stress in normal subjects by water-soluble chitosan. Food and Chemical Toxicology, 2009, 47, 104-109.	3.6	75
24	The kinetics of oxidation of GSH by protein radicals. Biochemical Journal, 2005, 392, 693-701.	3.7	72
25	A quantitative relationship between permeability and the degree of peroxidation in ufasome membranes. Biochemical and Biophysical Research Communications, 1978, 80, 704-708.	2.1	66
26	Efficient repair of protein radicals by ascorbate. Free Radical Biology and Medicine, 2009, 46, 1049-1057.	2.9	63
27	Antioxidant protection of human serum albumin by chitosan. International Journal of Biological Macromolecules, 2008, 43, 159-164.	7.5	61
28	A reaction between the superoxide free radical and lipid hydroperoxide in sodium linoleate micelles. Archives of Biochemistry and Biophysics, 1982, 214, 1-11.	3.0	57
29	Site-specific induction of lipid peroxidation by iron in charged micelles. Archives of Biochemistry and Biophysics, 1988, 260, 146-152.	3.0	57
30	A continuous-flow automated assay for iodometric estimation of hydroperoxides. Analytical Biochemistry, 1989, 176, 353-359.	2.4	53
31	Spectrophotometric and high-performance chromatographic assays of hydroperoxides by the iodometric technique. Analytical Biochemistry, 1989, 176, 360-364.	2.4	50
32	Generation of superoxide radicals by photolysis of oxygenated ethanol solutions. Journal of the American Chemical Society, 1982, 104, 796-798.	13.7	39
33	The effects of Î±-tocopherol on site-specific lipid peroxidation induced by iron in charged micelles. Archives of Biochemistry and Biophysics, 1988, 260, 153-160.	3.0	39
34	Hypothesis: A damaging role in aging for reactive protein oxidation products?. Mutation Research - DNAging, 1992, 275, 387-393.	3.2	38
35	Effect of Olmesartan on Oxidative Stress in Hemodialysis Patients. Hypertension Research, 2007, 30, 395-402.	2.7	37
36	Inhibition of peroxidation in linoleic acid membranes by nitroxide radicals, butylated hydroxytoluene, and Î±-tocopherol. Archives of Biochemistry and Biophysics, 1981, 210, 56-63.	3.0	36

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37	Radiation-induced lipid peroxidation and the fluidity of erythrocyte membrane lipids. Free Radical Biology and Medicine, 1987, 3, 147-152.	2.9	27
38	Action of peroxidases on protein hydroperoxides. Redox Report, 2002, 7, 235-242.	4.5	26
39	Hydrogen peroxide modulation of the respiratory burst of human neutrophils. Biochemical Pharmacology, 1991, 41, 31-36.	4.4	19
40	Measurement of phosphatidylcholine hydroperoxides in solution and in intact membranes by the ferricâ€“xylenol orange assay. Analytical Biochemistry, 2006, 359, 18-25.	2.4	19
41	Fast Antioxidant Reaction of Polyphenols and Their Metabolites. Antioxidants, 2021, 10, 1297.	5.1	18
42	The Limitations of an Iodometric Aerobic Assay for Peroxides. Analytical Biochemistry, 1996, 240, 235-241.	2.4	17
43	Intracellular GSH and ascorbate inhibit radical-induced protein chain peroxidation in HL-60 cells. Free Radical Biology and Medicine, 2012, 52, 420-426.	2.9	16
44	Proteins protect lipid membranes from oxidation by thiyl radicals. Archives of Biochemistry and Biophysics, 2007, 459, 151-158.	3.0	15
45	Lipid peroxidation is not the cause of lysis of human erythrocytes exposed to inorganic or methylmercury. Archives of Biochemistry and Biophysics, 1987, 259, 46-51.	3.0	14
46	Repair of Protein Radicals by Antioxidants. Israel Journal of Chemistry, 2014, 54, 254-264.	2.3	14
47	DNA degradation and protein peroxidation in cells exposed to hydroxyl free radicals. Redox Report, 2002, 7, 329-331.	4.5	13
48	Fast reaction of carbon free radicals with flavonoids and other aromatic compounds. Archives of Biochemistry and Biophysics, 2019, 674, 108107.	3.0	13
49	Efficient depletion of ascorbate by amino acid and protein radicals under oxidative stress. Free Radical Biology and Medicine, 2012, 53, 1565-1573.	2.9	12
50	Reaction rates of glutathione and ascorbate with alkyl radicals are too slow for protection against protein peroxidation inÂvivo. Archives of Biochemistry and Biophysics, 2017, 633, 118-123.	3.0	12
51	Physiological Concentrations of Ascorbate Cannot Prevent the Potentially Damaging Reactions of Protein Radicals in Humans. Chemical Research in Toxicology, 2017, 30, 1702-1710.	3.3	11
52	Antioxidants and radical damage in a hydrophilic environment: chemical reactions and concepts. Essays in Biochemistry, 2020, 64, 67-74.	4.7	8
53	Initiation and Prevention of Biological Damage by Radiation-Generated Protein Radicals. International Journal of Molecular Sciences, 2022, 23, 396.	4.1	7
54	The action of iron on amino acid and protein peroxides. Biochemical Society Transactions, 1995, 23, 249S-249S.	3.4	6

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55	Measurement of Lipid Hydroperoxides by the Ferric-Xylenol Orange Method (1) Characteristics of the Ferric-Xylenol Orange/Membrane Phosphatidylcholine Complex. Journal of Nutritional Science and Vitaminology, 2009, 55, 9-14.	0.6	6
56	Electrons initiate efficient formation of hydroperoxides from cysteine. Free Radical Research, 2016, 50, 987-996.	3.3	5
57	Addition of carbon-centered radicals to aromatic antioxidants: mechanistic aspects. Physical Chemistry Chemical Physics, 2020, 22, 24572-24582.	2.8	5
58	Effect of proteins and amino acids on oxidation of liposomes by hydroxyl and peroxyl free radicals. Redox Report, 2002, 7, 332-334.	4.5	2