Janusz M Gebicki

List of Publications by Year
in descending order

58 papers	6,093 citations	109321 35 h-index	133252 59 g-index
60 all docs	60 docs citations	60 times ranked	5080 citing authors

#	Article	IF	Citations
1	Initiation and Prevention of Biological Damage by Radiation-Generated Protein Radicals. International Journal of Molecular Sciences, 2022, 23, 396.	4.1	7
2	Fast Antioxidant Reaction of Polyphenols and Their Metabolites. Antioxidants, 2021, 10, 1297.	5.1	18
3	Addition of carbon-centered radicals to aromatic antioxidants: mechanistic aspects. Physical Chemistry Chemical Physics, 2020, 22, 24572-24582.	2.8	5
4	Antioxidants and radical damage in a hydrophilic environment: chemical reactions and concepts. Essays in Biochemistry, 2020, 64, 67-74.	4.7	8
5	Fast reaction of carbon free radicals with flavonoids and other aromatic compounds. Archives of Biochemistry and Biophysics, 2019, 674, 108107.	3.0	13
6	Antioxidant activities of chitosans and its derivatives in in vitro and in vivo studies. Carbohydrate Polymers, 2018, 199, 141-149.	10.2	115
7	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
8	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
9	Oxidative stress, free radicals and protein peroxides. Archives of Biochemistry and Biophysics, 2016, 595, 33-39.	3.0	84
10	Electrons initiate efficient formation of hydroperoxides from cysteine. Free Radical Research, 2016, 50, 987-996.	3.3	5
11	Repair of Protein Radicals by Antioxidants. Israel Journal of Chemistry, 2014, 54, 254-264.	2.3	14
12	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
13	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
14	Reduction of protein radicals by GSH and ascorbate: potential biological significance. Amino Acids, 2010, 39, 1131-1137.	2.7	87
15	Efficient repair of protein radicals by ascorbate. Free Radical Biology and Medicine, 2009, 46, 1049-1057.	2.9	63
16	Antioxidant properties of some different molecular weight chitosans. Carbohydrate Research, 2009, 344, 1690-1696.	2.3	134
17	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
18	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

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19	Antioxidant protection of human serum albumin by chitosan. International Journal of Biological Macromolecules, 2008, 43, 159-164.	7.5	61
20	Effect of Olmesartan on Oxidative Stress in Hemodialysis Patients. Hypertension Research, 2007, 30, 395-402.	2.7	37
21	Proteins protect lipid membranes from oxidation by thiyl radicals. Archives of Biochemistry and Biophysics, 2007, 459, 151-158.	3.0	15
22	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
23	Quantitative evaluation of the antioxidant properties of garlic and shallot preparations. Nutrition, 2006, 22, 266-274.	2.4	143
24	The kinetics of oxidation of GSH by protein radicals. Biochemical Journal, 2005, 392, 693-701.	3.7	72
25	Proteins are major initial cell targets of hydroxyl free radicals. International Journal of Biochemistry and Cell Biology, 2004, 36, 2334-2343.	2.8	199
26	Measurement of protein and lipid hydroperoxides in biological systems by the ferricâ€“xylenol orange method. Analytical Biochemistry, 2003, 315, 29-35.	2.4	151
27	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
28	DNA degradation and protein peroxidation in cells exposed to hydroxyl free radicals. Redox Report, 2002, 7, 329-331.	4.5	13
29	Action of peroxidases on protein hydroperoxides. Redox Report, 2002, 7, 235-242.	4.5	26
30	Perchloric Acid Enhances Sensitivity and Reproducibility of the Ferricâ€“Xylenol Orange Peroxide Assay. Analytical Biochemistry, 2002, 304, 42-46.	2.4	150
31	Peroxidation of proteins before lipids in U937 cells exposed to peroxyl radicals. Biochemical Journal, 2000, 350, 215-218.	3.7	94
32	A Critical Evaluation of the Effect of Sorbitol on the Ferricâ€“Xylenol Orange Hydroperoxide Assay. Analytical Biochemistry, 2000, 284, 217-220.	2.4	309
33	Determination of Iron in Solutions with the Ferricâ€“Xylenol Orange Complex. Analytical Biochemistry, 1999, 273, 143-148.	2.4	78
34	Hydroperoxide Assay with the Ferricâ€“Xylenol Orange Complex. Analytical Biochemistry, 1999, 273, 149-155.	2.4	357
35	Crosslinking of DNA and proteins induced by protein hydroperoxides. Biochemical Journal, 1999, 338, 629-636.	3.7	111
36	The Limitations of an Iodometric Aerobic Assay for Peroxides. Analytical Biochemistry, 1996, 240, 235-241.	2.4	17

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37	The action of iron on amino acid and protein peroxides. Biochemical Society Transactions, 1995, 23, 249S-249S.	3.4	6
38	[29] Iodometric determination of hydroperoxides in lipids and proteins. Methods in Enzymology, 1994, 233, 289-303.	1.0	85
39	Hypothesis: A damaging role in aging for reactive protein oxidation products?. Mutation Research - DNAging, 1992, 275, 387-393.	3.2	38
40	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
41	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
42	Hydrogen peroxide modulation of the respiratory burst of human neutrophils. Biochemical Pharmacology, 1991, 41, 31-36.	4.4	19
43	Spectrophotometric and high-performance chromatographic assays of hydroperoxides by the iodometric technique. Analytical Biochemistry, 1989, 176, 360-364.	2.4	50
44	A continuous-flow automated assay for iodometric estimation of hydroperoxides. Analytical Biochemistry, 1989, 176, 353-359.	2.4	53
45	Site-specific induction of lipid peroxidation by iron in charged micelles. Archives of Biochemistry and Biophysics, 1988, 260, 146-152.	3.0	57
46	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
47	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
48	Radiation-induced lipid peroxidation and the fluidity of erythrocyte membrane lipids. Free Radical Biology and Medicine, 1987, 3, 147-152.	2.9	27
49	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
50	Rate constants for reaction of hydroxyl radicals with Tris, Tricine and Hepes buffers. FEBS Letters, 1986, 199, 92-94.	2.8	113
51	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
52	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
53	Generation of superoxide radicals by photolysis of oxygenated ethanol solutions. Journal of the American Chemical Society, 1982, 104, 796-798.	13.7	39
54	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

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55	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
56	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
57	A spectrophotometric method for the determination of lipid hydroperoxides. Analytical Biochemistry, 1979, 99, 249-253.	2.4	175
58	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