Grzegorz Bartosz

List of Publications by Year
in descending order

224 papers	8,251 citations	53660 45 h-index	62479 80 g-index
225 all docs	225 docs citations	225 times ranked	12606 citing authors

#	Article	IF	Citations
1	Antioxidant properties of catechins: Comparison with other antioxidants. Food Chemistry, 2018, 241, 480-492.	4.2	301
2	Reactive oxygen species: Destroyers or messengers?. Biochemical Pharmacology, 2009, 77, 1303-1315.	2.0	298
3	Oxidative stress in plants. Acta Physiologiae Plantarum, 1997, 19, 47-64.	1.0	261
4	Use of spectroscopic probes for detection of reactive oxygen species. Clinica Chimica Acta, 2006, 368, 53-76.	0.5	257
5	2,7-DICHLOROFLUORESCIN OXIDATION AND REACTIVE OXYGEN SPECIES: WHAT DOES IT MEASURE?. Cell Biology International, 2000, 24, 757-760.	1.4	255
6	Biomarkers. Molecular Aspects of Medicine, 2002, 23, 101-208.	2.7	250
7	Antioxidative and prooxidative effects of quercetin on A549 cells. Cell Biology International, 2007, 31, 1245-1250.	1.4	232
8	Natural and synthetic antioxidants: An updated overview. Free Radical Research, 2010, 44, 1216-1262.	1.5	229
9	Light-dependent generation of reactive oxygen species in cell culture media. Free Radical Biology and Medicine, 2001, 30, 1418-1425.	1.3	213
10	Effect of Antioxidants Supplementation on Aging and Longevity. BioMed Research International, 2014, 2014, 1-17.	0.9	199
11	Total antioxidant capacity. Advances in Clinical Chemistry, 2003, 37, 219-292.	1.8	184
12	Oxidative stress during aging of stationary cultures of the yeast Saccharomyces cerevisiae. Free Radical Biology and Medicine, 2000, 28, 659-664.	1.3	164
13	Determination of antiradical and antioxidant activity: basic principles and new insights.. Acta Biochimica Polonica, 2010, 57, .	0.3	134
14	Molecular strategies to prevent, inhibit, and degrade advanced glycoxidation and advanced lipoxidation end products. Free Radical Research, 2013, 47, 93-137.	1.5	132
15	Non-enzymatic antioxidant capacity assays: Limitations of use in biomedicine. Free Radical Research, 2010, 44, 711-720.	1.5	130
16	On the specificity of 4-amino-5-methylamino-2â€²,7â€²-difluorofluorescein as a probe for nitric oxide. Free Radical Biology and Medicine, 2005, 39, 327-335.	1.3	122
17	Prevention of Protein Glycation by Natural Compounds. Molecules, 2015, 20, 3309-3334.	1.7	122
18	Apoptosis-like, reversible changes in plasma membrane asymmetry and permeability, and transient modifications in mitochondrial membrane potential induced by curcumin in rat thymocytes. FEBS Letters, 1998, 433, 287-293.	1.3	114

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19	Biological Properties and Applications of Betalains. Molecules, 2021, 26, 2520.	1.7	105
20	High Resolution Melting (HRM) for High-Throughput Genotypingâ€"Limitations and Caveats in Practical Case Studies. International Journal of Molecular Sciences, 2017, 18, 2316.	1.8	87
21	Genotoxic and mutagenic activity of diamond nanoparticles in human peripheral lymphocytes in vitro. Carbon, 2014, 68, 763-776.	5.4	84
22	Nanocrystalline diamond surface is resistant to bacterial colonization. Diamond and Related Materials, 2004, 13, 1761-1763.	1.8	81
23	Decrease in Accessible Thiols as an Index of Oxidative Damage to Membrane Proteins. Free Radical Biology and Medicine, 1997, 23, 463-469.	1.3	76
24	Erythrocyte Aging: Physical and Chemical Membrane Changes. Gerontology, 1991, 37, 33-67.	1.4	75
25	Melatonin improves oxidative stress parameters measured in the blood of elderly type 2 diabetic patients. Journal of Pineal Research, 2009, 46, 333-337.	3.4	75
26	Effect of high glucose concentrations on human erythrocytes in vitro. Redox Biology, 2015, 5, 381-387.	3.9	73
27	Thiols are Main Determinants of Total Antioxidant Capacity of Cellular Homogenates. Free Radical Research, 2003, 37, 537-541.	1.5	72
28	Kinetics of Glycoxidation of Bovine Serum Albumin by Glucose, Fructose and Ribose and Its Prevention by Food Components. Molecules, 2014, 19, 18828-18849.	1.7	72
29	Kinetics of Glycoxidation of Bovine Serum Albumin by Methylglyoxal and Glyoxal and its Prevention by Various Compounds. Molecules, 2014, 19, 4880-4896.	1.7	70
30	Antioxidant and Prooxidant Properties of Captopril and Enalapril. Free Radical Biology and Medicine, 1997, 23, 729-735.	1.3	66
31	Effect of peroxynitrite on erythrocytes. Biochimica Et Biophysica Acta - General Subjects, 1996, 1291, 107-114.	1.1	64
32	Estimation of oxidative stress in Saccharomyces cerevisae with fluorescent probes. International Journal of Biochemistry and Cell Biology, 1997, 29, 1297-1301.	1.2	62
33	Low concentration of oxidant and nitric oxide donors stimulate proliferation of human endothelial cells in vitro. Cell Biology International, 2004, 28, 483-486.	1.4	62
34	Origin and pathophysiology of protein carbonylation, nitration and chlorination in age-related brain diseases and aging. Aging, 2018, 10, 868-901.	1.4	62
35	Pitfalls of assays devoted to evaluation of oxidative stress induced by inorganic nanoparticles. Talanta, 2013, 116, 753-763.	2.9	61
36	Indices of oxidative stress in pregnancy with fetal growth restriction. Free Radical Research, 2007, 41, 870-873.	1.5	59

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37	Nitric oxide plasma concentration associated with cognitive impairment in patients with recurrent depressive disorder. Neuroscience Letters, 2012, 510, 127-131.	1.0	59
38	Dietary antioxidants as a source of hydrogen peroxide. Food Chemistry, 2019, 278, 692-699.	4.2	59
39	Antioxidants protect the yeastSaccharomyces cerevisiaeagainst hypertonic stress. Free Radical Research, 2005, 39, 365-371.	1.5	57
40	An inter-laboratory validation of methods of lipid peroxidation measurement in UVA-treated human plasma samples. Free Radical Research, 2010, 44, 1203-1215.	1.5	56
41	Cell volume as a factor limiting the replicative lifespan of the yeast Saccharomyces cerevisiae. Biogerontology, 2009, 10, 481-488.	2.0	53
42	Singleâ€nucleotide polymorphisms and mRNA expression for melatonin synthesis rateâ€limiting enzyme in recurrent depressive disorder. Journal of Pineal Research, 2010, 48, 311-317.	3.4	53
43	Overcoming cellular multidrug resistance using classical nanomedicine formulations. European Journal of Pharmaceutical Sciences, 2012, 45, 421-428.	1.9	53
44	TOTAL ANTI-OXIDANT CAPACITY OF CELL CULTURE MEDIA. Clinical and Experimental Pharmacology and Physiology, 2007, 34, 781-786.	0.9	51
45	Influence of diamond powder particles on human gene expression. Surface and Coatings Technology, 2007, 201, 6131-6135.	2.2	48
46	Elevated exhalation of hydrogen peroxide and thiobarbituric acid reactive substances in patients with community acquired pneumonia. Respiratory Medicine, 2004, 98, 669-676.	1.3	47
47	Antioxidative effects of melatonin administration in elderly primary essential hypertension patients. Journal of Pineal Research, 2008, 45, 312-317.	3.4	47
48	Dimethyl sulfoxide induces oxidative stress in the yeastSaccharomyces cerevisiae. FEMS Yeast Research, 2013, 13, 820-830.	1.1	45
49	Low- and high-Km transport of dinitrophenyl glutathione in inside out vesicles from human erythrocytes. Biochimica Et Biophysica Acta - Biomembranes, 1992, 1103, 115-119.	1.4	43
50	Effect of glycation inhibitors on aging and age-related diseases. Mechanisms of Ageing and Development, 2016, 160, 1-18.	2.2	43
51	Cadmium-induced changes in genomic DNA-methylation status increase aneuploidy events in a pig Robertsonian translocation model. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 747, 182-189.	0.9	42
52	Effect of 3-bromopyruvate acid on the redox equilibrium in non-invasive MCF-7 and invasive MDA-MB-231 breast cancer cells. Journal of Bioenergetics and Biomembranes, 2016, 48, 23-32.	1.0	42
53	Hypochlorous acid damages erythrocyte membrane proteins and alters lipid bilayer structure and fluidity. Free Radical Biology and Medicine, 2001, 30, 363-369.	1.3	41
54	Redox nanoparticles: synthesis, properties and perspectives of use for treatment of neurodegenerative diseases. Journal of Nanobiotechnology, 2018, 16, 87.	4.2	41

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55	Pro-oxidative activity of nitroxides in their reactions with glutathione. Free Radical Biology and Medicine, 2003, 35, 310-316.	1.3	40
56	Antioxidant properties of atypical antipsychotic drugs used in the treatment of schizophrenia. Schizophrenia Research, 2016, 176, 245-251.	1.1	40
57	The Potential Effects of Phytoestrogens: The Role in Neuroprotection. Molecules, 2021, 26, 2954.	1.7	39
58	Differential regulation of the human MRP2 and MRP3 gene expression by glucocorticoids. Journal of Steroid Biochemistry and Molecular Biology, 2005, 96, 229-234.	1.2	38
59	Hemoglobin can nitrate itself and other proteins. Biochimica Et Biophysica Acta - General Subjects, 2001, 1528, 97-100.	1.1	37
60	Hypertrophy hypothesis as an alternative explanation of the phenomenon of replicative aging of yeast. FEMS Yeast Research, 2012, 12, 97-101.	1.1	37
61	Oxidative modification of serum proteins in multiple sclerosis. Neurochemistry International, 2013, 63, 507-516.	1.9	37
62	The antioxidant properties of carnitine in vitro. Cellular and Molecular Biology Letters, 2010, 15, 90-7.	2.7	33
63	Interaction between antioxidants in assays of total antioxidant capacity. Food and Chemical Toxicology, 2008, 46, 2365-2368.	1.8	32
64	Glycation of bovine serum albumin by ascorbate in vitro: Possible contribution of the ascorbyl radical?. Redox Biology, 2015, 6, 93-99.	3.9	32
65	Monitoring of MRP-like Activity in Human Erythrocytes: Inhibitory Effect of Isoflavones. Blood Cells, Molecules, and Diseases, 2001, 27, 894-900.	0.6	31
66	A pharmacological solution for a conspecific conflict: ROS-mediated territorial aggression in sea anemones. Toxicon, 2008, 51, 1038-1050.	0.8	31
67	Vmr 1p is a novel vacuolar multidrug resistance ABC transporter in Saccharomyces cerevisiae. FEMS Yeast Research, 2010, 10, 828-838.	1.1	31
68	N-chloroamino acids cause oxidative protein modifications in the erythrocyte membrane. Mechanisms of Ageing and Development, 2008, 129, 572-579.	2.2	30
69	High-performance liquid chromatographic method to evaluate the hydrogen atom transfer during reaction between 1,1-diphenyl-2-picryl-hydrazyl radical and antioxidants. Analytica Chimica Acta, 2012, 711, 97-106.	2.6	30
70	Hypochlorous acid-induced oxidative damage of human red blood cells: effects of tert-butyl hydroperoxide and nitrite on the HOCl reaction with erythrocytes. Bioelectrochemistry, 2002, 58, 127-135.	2.4	29
71	Induction of apoptosis and modulation of production of reactive oxygen species in human endothelial cells by diphenyleneiodonium. Biochemical Pharmacology, 2005, 69, 1263-1273.	2.0	29
72	Interactions between carbon coatings and tissue. Surface and Coatings Technology, 2006, 201, 2117-2123.	2.2	29

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73	Effect of superoxide dismutase deficiency on the life span of the yeast Saccharomyces cerevisiae. An oxygen-independent role of Cu,Zn-superoxide dismutase. Biochimica Et Biophysica Acta - General Subjects, 2002, 1570, 199-202.	1.1	28
74	Oxidative Modification of Proteins in Pediatric Cystic Fibrosis with Bacterial Infections. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-10.	1.9	28
75	Yeast as a biosensor for antioxidants: simple growth tests employing a Saccharomyces cerevisiae mutant defective in superoxide dismutase.. Acta Biochimica Polonica, 2019, 52, 679-684.	0.3	28
76	Helicobacter pylori cagA Gene Polymorphism Affects the Total Antioxidant Capacity of Human Saliva. Helicobacter, 2010, 15, 53-57.	1.6	27
77	Hemodialysis Decreases Serum Brain-Derived Neurotrophic Factor Concentration in Humans. Neurochemical Research, 2012, 37, 2715-2724.	1.6	27
78	Enhanced Antioxidant Capacity and Anti-Ageing Biomarkers after Diet Micronutrient Supplementation. Molecules, 2014, 19, 14794-14808.	1.7	27
79	Oxidative Modification of Blood Serum Proteins in Multiple Sclerosis after Interferon Beta and Melatonin Treatment. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-8.	1.9	27
80	Radiation Inactivation Suggests That Human Multidrug Resistance-Associated Protein 1 Occurs as a Dimer in the Human Erythrocyte Membrane. Archives of Biochemistry and Biophysics, 1998, 354, 311-316.	1.4	26
81	Moderateâ€intensity endurance training improves endothelial glycocalyx layer integrity in healthy young men. Experimental Physiology, 2017, 102, 70-85.	0.9	26
82	Yeast flavohemoglobin protects against nitrosative stress and controls ferric reductase activity. Redox Report, 2006, 11, 231-239.	1.4	25
83	Is the Yeast a Relevant Model for Aging of Multicellular Organisms? An Insight from the Total Lifespan of Saccharomyces cerevisiae. Current Aging Science, 2008, 1, 159-165.	0.4	25
84	Effect of 3â€bromopyruvic acid on human erythrocyte antioxidant defense system. Cell Biology International, 2013, 37, 1285-1290.	1.4	25
85	Oxidative modification of blood serum proteins in multiple sclerosis after interferon or mitoxantrone treatment. Journal of Neuroimmunology, 2014, 266, 67-74.	1.1	25
86	Acrolein-Induced Oxidative Stress and Cell Death Exhibiting Features of Apoptosis in the Yeast Saccharomyces cerevisiae Deficient in SOD1. Cell Biochemistry and Biophysics, 2015, 71, 1525-1536.	0.9	25
87	Cu,Znâ€superoxide dismutase is necessary for proper function of VDAC in Saccharomyces cerevisiae cells. FEBS Letters, 2009, 583, 449-455.	1.3	24
88	Relationship between the replicative age and cell volume in Saccharomyces cerevisiae.. Acta Biochimica Polonica, 2006, 53, 747-751.	0.3	24
89	Simple determination of peroxyl radicalâ€trapping capacity. IUBMB Life, 1998, 46, 519-528.	1.5	23
90	A role for yeast glutaredoxin genes in selenite-mediated oxidative stress. Fungal Genetics and Biology, 2008, 45, 1182-1187.	0.9	23

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91	Redox status of equine seminal plasma reflects the pattern and magnitude of DNA damage in sperm cells. Theriogenology, 2010, 74, 1677-1684.	0.9	23
92	Protection of flavonoids against hypochlorite-induced protein modifications. Food Chemistry, 2013, 141, 1227-1241.	4.2	23
93	Anticancer agent 3-bromopyruvic acid forms a conjugate with glutathione. Pharmacological Reports, 2016, 68, 502-505.	1.5	23
94	Ascorbate Restores Lifespan of Superoxide-dismutase Deficient Yeast. Free Radical Research, 2004, 38, 1019-1024.	1.5	22
95	Ascorbate abolishes auxotrophy caused by the lack of superoxide dismutase in Saccharomyces cerevisiae. Journal of Biotechnology, 2005, 115, 271-278.	1.9	21
96	Estimation of antioxidant capacity against pathophysiologically relevant oxidants using Pyrogallol Red. Biochemical and Biophysical Research Communications, 2009, 390, 659-661.	1.0	21
97	Evaluation of the cyto- and genotoxic activity of yerba mate (Ilex paraguariensis) in human lymphocytes in vitro. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 679, 18-23.	0.9	21
98	Yeast Saccharomyces cerevisiae devoid of Cu,Zn-superoxide dismutase as a cellular model to study acrylamide toxicity. Toxicology in Vitro, 2011, 25, 573-579.	1.1	21
99	Nitroxides protect against peroxynitrite-induced nitration and oxidation. Free Radical Biology and Medicine, 2015, 89, 1165-1175.	1.3	21
100	Hypothesis: cell volume limits cell divisions.. Acta Biochimica Polonica, 2006, 53, 833-835.	0.3	21
101	Accumulation of oxidative damage during replicative aging of the yeast Saccharomyces cerevisiae. Experimental Gerontology, 2006, 41, 813-818.	1.2	20
102	Nucleolus as an oxidative stress sensor in the yeastSaccharomyces cerevisiae. Redox Report, 2010, 15, 87-96.	1.4	20
103	Collateral sensitivity: ABCG2-overexpressing cells are more vulnerable to oxidative stress. Free Radical Biology and Medicine, 2014, 76, 47-52.	1.3	20
104	Effect of antioxidants on the H2O2-induced premature senescence of human fibroblasts. Aging, 2020, 12, 1910-1927.	1.4	20
105	Aging of the erythrocyte. VII. on the possible causes of inactivation of red cell enzymes. Mechanisms of Ageing and Development, 1980, 13, 379-385.	2.2	19
106	Limited Effectiveness of Antioxidants in the Protection of Yeast Defective in Antioxidant Proteins. Free Radical Research, 2004, 38, 1159-1165.	1.5	19
107	Expression of the human ABCC6 gene is induced by retinoids through the retinoid X receptor. Biochemical and Biophysical Research Communications, 2006, 350, 1082-1087.	1.0	19
108	Metal chelators react also with reactive oxygen and nitrogen species. Biochemical and Biophysical Research Communications, 2007, 352, 522-525.	1.0	19

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109	The nitroxide antioxidant Tempol affects metal-induced cyto- and genotoxicity in human lymphocytes in vitro. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2008, 649, 7-14.	0.9	19
110	Ascorbate and thiol antioxidants abolish sensitivity of yeast Saccharomyces cerevisiae to disulfiram. Cell Biology and Toxicology, 2012, 28, 1-9.	2.4	19
111	Intracellular transport of nanodiamond particles in human endothelial and epithelial cells. Chemico-Biological Interactions, 2014, 219, 90-100.	1.7	19
112	The Antiaggregative and Antiamyloidogenic Properties of Nanoparticles: A Promising Tool for the Treatment and Diagnostics of Neurodegenerative Diseases. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-11.	1.9	19
113	TRANSPORT OF GLUTATHIONE S-CONJUGATES IN THE YEASTSSACCHAROMYCES CEREVISIAE. Cell Biology International, 1996, 20, 325-330.	1.4	18
114	Menadione toxicity in Saccharomyces cerevisiae cells: Activation by conjugation with glutathione. IUBMB Life, 1998, 44, 747-759.	1.5	18
115	Accumulation of cadmium ions in the methylotrophic yeast Hansenula polymorpha. BioMetals, 2006, 19, 593-599.	1.8	18
116	The human pseudoxanthoma elasticum gene ABCC6 is transcriptionally regulated by PLAG family transcription factors. Human Genetics, 2008, 124, 451-463.	1.8	18
117	Metastatic prostate cancer cells are highly sensitive to 3-bromopyruvic acid. Life Sciences, 2019, 227, 212-223.	2.0	18
118	Antioxidant properties of ferrous flavanol mixtures. Food Chemistry, 2018, 268, 567-576.	4.2	18
119	The influence of ferrylhemoglobin and methemoglobin on the human erythrocyte membrane. Redox Report, 2006, 11, 263-271.	1.4	17
120	The effects of superoxide dismutase knockout on the oxidative stress parameters and survival of mouse erythrocyt. Cellular and Molecular Biology Letters, 2009, 14, 23-34.	2.7	17
121	Oxidative stress during aging of the yeast in a stationary culture and its attenuation by antioxidants. Cell Biology International, 2010, 34, 731-736.	1.4	17
122	Generation of Reactive Oxygen Species in Biological Systems. Comments on Modern Biology Part B, Comments on Toxicology, 2003, 9, 5-21.	0.2	16
123	Protection against peroxynitrite reactions by flavonoids. Food Chemistry, 2014, 164, 228-233.	4.2	16
124	Changes of markers of oxidative stress during menstrual cycle. Redox Report, 2008, 13, 237-240.	1.4	15
125	Age-related changes in genomic stability of horses. Mechanisms of Ageing and Development, 2011, 132, 257-268.	2.2	15
126	A genetic analysis of nitric oxide-mediated signaling during chronological aging in the yeast. Biogerontology, 2011, 12, 309-320.	2.0	15

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127	Oxidative modifications of blood serum proteins in myasthenia gravis. Journal of Neuroimmunology, 2017, 305, 145-153.	1.1	15
128	TLR2 activation induces antioxidant defence in human monocyte-macrophage cell line models. Oncotarget, 2017, 8, 54243-54264.	0.8	15
129	Replicative aging of the yeast does not require DNA replication. Biochemical and Biophysical Research Communications, 2005, 333, 138-141.	1.0	14
130	Effect of phosphatidylcholine chlorohydrins on human erythrocytes. Chemistry and Physics of Lipids, 2010, 163, 639-647.	1.5	14
131	Genetic variation of the ABC transporter gene ABCC1 (Multidrug resistance protein 1 â€“ MRP1) in the Polish population. BMC Genetics, 2015, 16, 114.	2.7	14
132	Hypothesis: cell volume limits cell divisions. Acta Biochimica Polonica, 2006, 53, 833-5.	0.3	14
133	Relationship between the replicative age and cell volume in Saccharomyces cerevisiae. Acta Biochimica Polonica, 2006, 53, 747-51.	0.3	14
134	Sensitivity of antioxidant-deficient yeast Saccharomyces cerevisiae to peroxynitrite and nitric oxide. Biochimica Et Biophysica Acta - General Subjects, 1999, 1472, 395-398.	1.1	13
135	Efficacy of antioxidants in the yeast Saccharomyces cerevisiae correlates with their effects on protein thiols. Biochimie, 2008, 90, 1476-1485.	1.3	13
136	N-Chloroamino acids mediate the action of hypochlorite on A549 lung cancer cells in culture. Toxicology, 2010, 270, 112-120.	2.0	13
137	Sensitivity of antioxidantâ€deficient yeast to hypochlorite and chlorite. Yeast, 2011, 28, 595-609.	0.8	13
138	Effect of functionalized and non-functionalized nanodiamond on the morphology and activities of antioxidant enzymes of lung epithelial cells (A549). Chemico-Biological Interactions, 2014, 222, 135-147.	1.7	13
139	Transport of 3-bromopyruvate across the human erythrocyte membrane. Cellular and Molecular Biology Letters, 2014, 19, 201-14.	2.7	13
140	Endocytosis of ABCG2 drug transporter caused by binding of 5D3 antibody: trafficking mechanisms and intracellular fate. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1759-1771.	1.9	13
141	Nitroxide Radical-Containing Redox Nanoparticles Protect Neuroblastoma SH-SY5Y Cells against 6-Hydroxydopamine Toxicity. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-19.	1.9	13
142	Estimation of antioxidant capacity against peroxynitrite and hypochlorite with fluorescein. Talanta, 2010, 80, 2196-2198.	2.9	12
143	Role of melatonin receptor <scp>MT</scp>₂ and quinone reductase <scp>II</scp> in the regulation of the redox status of 3<scp>T</scp>3â€<scp>L</scp>1 preadipocytes in vitro. Cell Biology International, 2013, 37, 835-842.	1.4	12
144	Polyphenols protect against protein glycoxidation. Free Radical Biology and Medicine, 2014, 75, S47.	1.3	12

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145	Effects of plant extract antioxidative phenolic compounds on energetic status and viability of Saccharomyces cerevisiae cells undergoing oxidative stress. Journal of Functional Foods, 2015, 16, 364-377.	1.6	12
146	Transport of bimane-S-glutathione in human erythrocytes. Biochimica Et Biophysica Acta - Molecular Cell Research, 1995, 1268, 279-284.	1.9	11
147	MRP1-Transfected Cells do not Show Increased Resistance Against Oxidative Stress. Free Radical Research, 2003, 37, 189-195.	1.5	11
148	Protection of yeast lacking the Ure2 protein against the toxicity of heavy metals and hydroperoxides by antioxidants. Free Radical Research, 2007, 41, 580-590.	1.5	11
149	Detection of 3-chlorinated tyrosine residues in human cells by flow cytometry. Journal of Immunological Methods, 2011, 369, 141-145.	0.6	11
150	Radiation-induced inactivation of enzymes â€“ Molecular mechanism based on inactivation of dehydrogenases. Radiation Physics and Chemistry, 2016, 128, 112-117.	1.4	11
151	Interaction of Catechins with Human Erythrocytes. Molecules, 2020, 25, 1456.	1.7	11
152	A Modification of the ABTSâ€¢ Decolorization Method and an Insight into Its Mechanism. Processes, 2022, 10, 1288.	1.3	11
153	Decreased antioxidant defense during replicative aging of the yeastSaccharomyces cerevisiaestudied using the â€˜baby machineâ€™ method. FEBS Letters, 2001, 492, 123-126.	1.3	10
154	Effect of Antioxidants on the Fibroblast Replicative Lifespan In Vitro. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-15.	1.9	10
155	Delphinidin Increases the Sensitivity of Ovarian Cancer Cell Lines to 3-bromopyruvate. International Journal of Molecular Sciences, 2021, 22, 709.	1.8	10
156	Peroxynitrite inhibits glutathione S-conjugate transport. Biochimica Et Biophysica Acta - Biomembranes, 1997, 1325, 135-141.	1.4	9
157	A novel test for identifying genes involved in aldehyde detoxification in the yeast. Increased sensitivity of superoxideâ€deficient yeast to aldehydes and their metabolic precursors. BioFactors, 2005, 24, 59-65.	2.6	9
158	Application of aYHB1-GFPreporter to detect nitrosative stress in yeast. Redox Report, 2008, 13, 161-171.	1.4	9
159	Ascorbic acid and protein glycation inÂvitro. Chemico-Biological Interactions, 2015, 240, 154-162.	1.7	9
160	Silver nanoparticles can attenuate nitrative stress. Redox Biology, 2017, 11, 646-652.	3.9	9
161	Comparison of the Effects of Resveratrol and Its Derivatives on the Radiation Response of MCF-7 Breast Cancer Cells. International Journal of Molecular Sciences, 2021, 22, 9511.	1.8	9
162	Aging of the erythrocyte. 23. Changes in the permeation of spin-labeled electrolytes. American Journal of Hematology, 1983, 14, 377-379.	2.0	8

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163	Studies on the effect of ethanol and/or toluene on rat erythrocytes. Journal of Applied Toxicology, 1988, 8, 369-372.	1.4	8
164	Hypochlorous acid inhibits glutathione S-conjugate export from human erythrocytes. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1564, 479-486.	1.4	8
165	HOCl-modified phosphatidylcholines induce apoptosis and redox imbalance in HUVEC-ST cells. Archives of Biochemistry and Biophysics, 2014, 548, 1-10.	1.4	8
166	ABCB1-overexpressing MDCK-II cells are hypersensitive to 3-bromopyruvic acid. Life Sciences, 2016, 162, 138-144.	2.0	8
167	Modification of the deoxyribose test to detect strong iron binding. Acta Biochimica Polonica, 2017, 64, 195-198.	0.3	8
168	pH-Responsive Redox Nanoparticles Protect SH-SY5Y Cells at Lowered pH in a Cellular Model of Parkinsonâ€™s Disease. Molecules, 2021, 26, 543.	1.7	8
169	Aged erythrocytes exhibit decreased anion exchange. Mechanisms of Ageing and Development, 1987, 39, 245-250.	2.2	7
170	One-electron reduction of an anthracycline antibiotic carminomycin by a human erythrocyte redox chain. FEBS Letters, 1987, 219, 212-214.	1.3	7
171	PEROXYNITRITE ACTIVATES K+-Clâ^'COTRANSPORT IN HUMAN ERYTHROCYTES. Cell Biology International, 2001, 25, 1163-1165.	1.4	7
172	Prooxidative effects of TEMPO on human erythrocytes. Cell Biology International, 2004, 28, 585-591.	1.4	7
173	Does yeast shmooing mean a commitment to apoptosis?. Cell Biology International, 2006, 30, 205-209.	1.4	7
174	The effect of growth medium on the antioxidant defense of Saccharomyces cerevisiae. Cellular and Molecular Biology Letters, 2007, 12, 448-56.	2.7	7
175	Oxidant-induced decrease of the expression of nucleolar organizer regions in pig lymphocytes can be useful for monitoring the cellular effects of oxidative stress. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2008, 653, 124-129.	0.9	7
176	The hydrolytic activity of esterases in the yeastSaccharomyces cerevisiaeis strain dependent. Cell Biology International, 2011, 35, 1111-1119.	1.4	7
177	Antioxidant action of SMe1EC2, the low-basicity derivative of the pyridoindole stobadine, in cell free chemical models and at cellular level. Interdisciplinary Toxicology, 2014, 7, 27-32.	1.0	7
178	Leishmania tarentolae as a host for heterologous expression of functional human ABCB6 transporter. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2617-2624.	1.4	7
179	Interaction of ethanol and xylene in their effects on erythrocytes and other haematological parameters in the rat. Journal of Applied Toxicology, 1991, 11, 289-292.	1.4	6
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