

## List of Publications by Year in descending order

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81  
papers

10,984  
citations

57758

44  
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60623

81  
g-index

84  
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docs citations

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times ranked

15021  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma protein-bound di-tyrosines as biomarkers of oxidative stress in end stage renal disease patients on maintenance haemodialysis. <i>BBA Clinical</i> , 2017, 7, 55-63.	4.1	16
2	Thiol oxidation and di-tyrosine formation in human plasma proteins induced by inflammatory concentrations of hypochlorous acid. <i>Journal of Proteomics</i> , 2017, 152, 22-32.	2.4	34
3	Dietary flavonoids advance timing of moult but do not affect redox status of juvenile blackbirds ( <i>Turdus merula</i> ). <i>Journal of Experimental Biology</i> , 2016, 219, 3155-3162.	1.7	4
4	Pitfalls in the analysis of the physiological antioxidant glutathione (GSH) and its disulfide (GSSG) in biological samples: An elephant in the room. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1019, 21-28.	2.3	107
5	A step-by-step protocol for assaying protein carbonylation in biological samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1019, 178-190.	2.3	119
6	Identification of dityrosine cross-linked sites in oxidized human serum albumin. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1019, 147-155.	2.3	25
7	Potential toxicity of environmentally relevant perfluorooctane sulfonate (PFOS) concentrations to yellow-legged gull <i>Larus michahellis</i> embryos. <i>Environmental Science and Pollution Research</i> , 2016, 23, 426-437.	5.3	13
8	Plasma protein thiolation index (PTI) as a biomarker of thiol-specific oxidative stress in haemodialyzed patients. <i>Free Radical Biology and Medicine</i> , 2015, 89, 443-451.	2.9	22
9	Glutathione, glutathione disulfide, and S-glutathionylated proteins in cell cultures. <i>Free Radical Biology and Medicine</i> , 2015, 89, 972-981.	2.9	59
10	A central role for intermolecular dityrosine cross-linking of fibrinogen in high molecular weight advanced oxidation protein product (AOPP) formation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1-12.	2.4	48
11	Pathophysiology of tobacco smoke exposure: Recent insights from comparative and redox proteomics. <i>Mass Spectrometry Reviews</i> , 2014, 33, 183-218.	5.4	39
12	Cigarette smoke induces alterations in the drug-binding properties of human serum albumin. <i>Blood Cells, Molecules, and Diseases</i> , 2014, 52, 166-174.	1.4	13
13	Analysis of GSH and GSSG after derivatization with N-ethylmaleimide. <i>Nature Protocols</i> , 2013, 8, 1660-1669.	12.0	257
14	Protein carbonylation in human endothelial cells exposed to cigarette smoke extract. <i>Toxicology Letters</i> , 2013, 218, 118-128.	0.8	25
15	Viability Is Associated with Melanin-Based Coloration in the Barn Swallow ( <i>Hirundo rustica</i> ). <i>PLoS ONE</i> , 2013, 8, e60426.	2.5	37
16	Tendon structure and extracellular matrix components are affected by spasticity in cerebral palsy patients. <i>Muscles, Ligaments and Tendons Journal</i> , 2013, 3, 42-50.	0.3	6
17	Protein thiolation index (PTI) as a biomarker of oxidative stress. <i>Free Radical Biology and Medicine</i> , 2012, 53, 907-915.	2.9	40
18	N-Acetylcysteine ethyl ester (NACET): A novel lipophilic cell-permeable cysteine derivative with an unusual pharmacokinetic feature and remarkable antioxidant potential. <i>Biochemical Pharmacology</i> , 2012, 84, 1522-1533.	4.4	68

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19	Redox Albuminomics: Oxidized Albumin in Human Diseases. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 1515-1527.	5.4	121
20	Sex-Related Effects of Reproduction on Biomarkers of Oxidative Damage in Free-living Barn Swallows ( <i>Hirundo rustica</i> ). <i>PLoS ONE</i> , 2012, 7, e48955.	2.5	20
21	Oxidative damage in human gingival fibroblasts exposed to cigarette smoke. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1584-1596.	2.9	73
22	Pancreatic cancer cells retain the epithelial-related phenotype and modify mitotic spindle microtubules after the administration of ukraine in vitro. <i>Anti-Cancer Drugs</i> , 2012, 23, 935-946.	1.4	12
23	Red Blood Cells Protect Albumin from Cigarette Smoke-Induced Oxidation. <i>PLoS ONE</i> , 2012, 7, e29930.	2.5	22
24	S-Glutathiolation in life and death decisions of the cell. <i>Free Radical Research</i> , 2011, 45, 3-15.	3.3	58
25	Malignant phenotype of renal cell carcinoma cells is switched by Ukraine administration in vitro. <i>Anti-Cancer Drugs</i> , 2011, 22, 749-762.	1.4	11
26	Low molecular mass thiols, disulfides and protein mixed disulfides in rat tissues: Influence of sample manipulation, oxidative stress and ageing. <i>Mechanisms of Ageing and Development</i> , 2011, 132, 141-148.	4.6	58
27	Detection of glutathione in whole blood after stabilization with N-ethylmaleimide. <i>Analytical Biochemistry</i> , 2011, 415, 81-83.	2.4	59
28	Ukraine Affects Pancreas Cancer Cell Phenotype in vitro by Targeting MMP-9 and Intra-/Extracellular SPARC Expression. <i>Pancreatology</i> , 2010, 10, 545-552.	1.1	19
29	The potential of resveratrol against human gliomas. <i>Anti-Cancer Drugs</i> , 2010, 21, 140-150.	1.4	49
30	Water-Soluble $\alpha,\beta$ -Unsaturated Aldehydes of Cigarette Smoke Induce Carbonylation of Human Serum Albumin. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 349-364.	5.4	68
31	Cellular redox potential and hemoglobin S-glutathionylation in human and rat erythrocytes: A comparative study. <i>Blood Cells, Molecules, and Diseases</i> , 2010, 44, 133-139.	1.4	18
32	Protein S-glutathionylation: a regulatory device from bacteria to humans. <i>Trends in Biochemical Sciences</i> , 2009, 34, 85-96.	7.5	557
33	Protein carbonylation: 2,4-dinitrophenylhydrazine reacts with both aldehydes/ketones and sulfenic acids. <i>Free Radical Biology and Medicine</i> , 2009, 46, 1411-1419.	2.9	76
34	Oxidative stress induces a reversible flux of cysteine from tissues to blood <i>in vivo</i> in the rat. <i>FEBS Journal</i> , 2009, 276, 4946-4958.	4.7	20
35	Evidence against a role of ketone bodies in the generation of oxidative stress in human erythrocytes by the application of reliable methods for thiol redox form detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3467-3474.	2.3	8
36	Carboplatin-induced alteration of the thiol homeostasis in the isolated perfused rat kidney. <i>Archives of Biochemistry and Biophysics</i> , 2009, 488, 83-89.	3.0	8

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37	Engineered cobalt oxide nanoparticles readily enter cells. <i>Toxicology Letters</i> , 2009, 189, 253-259.	0.8	149
38	Molecular Mechanisms and Potential Clinical Significance of S-Glutathionylation. <i>Antioxidants and Redox Signaling</i> , 2008, 10, 445-474.	5.4	275
39	Protective CD8+ T-cell responses to cytomegalovirus driven by rAAV/GFP/IE1 loading of dendritic cells. <i>Journal of Translational Medicine</i> , 2008, 6, 56.	4.4	10
40	Nitrite and Nitrate Measurement by Griess Reagent in Human Plasma: Evaluation of Interferences and Standardization. <i>Methods in Enzymology</i> , 2008, 440, 361-380.	1.0	272
41	Is ascorbate able to reduce disulfide bridges? A cautionary note. <i>Nitric Oxide - Biology and Chemistry</i> , 2008, 19, 252-258.	2.7	112
42	Red blood cells as a physiological source of glutathione for extracellular fluids. <i>Blood Cells, Molecules, and Diseases</i> , 2008, 40, 174-179.	1.4	70
43	Identification of Actin as a 15-Deoxy- $\Delta^{12,14}$ -prostaglandin J2 Target in Neuroblastoma Cells: A Mass Spectrometric, Computational, and Functional Approaches To Investigate the Effect on Cytoskeletal Derangement. <i>Biochemistry</i> , 2007, 46, 2707-2718.	2.5	73
44	Intervention strategies to inhibit protein carbonylation by lipoxidation-derived reactive carbonyls. <i>Medicinal Research Reviews</i> , 2007, 27, 817-868.	10.5	256
45	Detection of S-nitrosothiols in biological fluids: A comparison among the most widely applied methodologies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 851, 124-139.	2.3	120
46	Actin Cys374 as a nucleophilic target of $\alpha,\beta$ -unsaturated aldehydes. <i>Free Radical Biology and Medicine</i> , 2007, 42, 583-598.	2.9	82
47	S-glutathionylation in protein redox regulation. <i>Free Radical Biology and Medicine</i> , 2007, 43, 883-898.	2.9	422
48	Oxidized Forms of Glutathione in Peripheral Blood as Biomarkers of Oxidative Stress. <i>Clinical Chemistry</i> , 2006, 52, 1406-1414.	3.2	125
49	Biomarkers of Oxidative Damage in Human Disease. <i>Clinical Chemistry</i> , 2006, 52, 601-623.	3.2	1,395
50	Membrane skeletal protein S-glutathionylation and hemolysis in human red blood cells. <i>Blood Cells, Molecules, and Diseases</i> , 2006, 37, 180-187.	1.4	30
51	Early cytotoxic effects of ochratoxin A in rat liver: A morphological, biochemical and molecular study. <i>Toxicology</i> , 2006, 225, 214-224.	4.2	85
52	Protein carbonylation, cellular dysfunction, and disease progression. <i>Journal of Cellular and Molecular Medicine</i> , 2006, 10, 389-406.	3.6	691
53	Metabolism of oxidants by blood from different mouse strains. <i>Biochemical Pharmacology</i> , 2006, 71, 1753-1764.	4.4	20
54	Protein S-glutathionylation and platelet anti-aggregating activity of disulfiram. <i>Biochemical Pharmacology</i> , 2006, 72, 608-615.	4.4	22

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55	Lipoxidation-Derived Reactive Carbonyl Species as Potential Drug Targets in Preventing Protein Carbonylation and Related Cellular Dysfunction. <i>ChemMedChem</i> , 2006, 1, 1045-1058.	3.2	78
56	Proteins as Sensitive Biomarkers of Human Conditions Associated with Oxidative Stress. , 2006, , 485-525.		3
57	Is There an Answer?. <i>IUBMB Life</i> , 2005, 57, 189-192.	3.4	12
58	S-glutathionylation in human platelets by a thiol-disulfide exchange-independent mechanism. <i>Free Radical Biology and Medicine</i> , 2005, 38, 1501-1510.	2.9	74
59	Proteins as biomarkers of oxidative/nitrosative stress in diseases: The contribution of redox proteomics. <i>Mass Spectrometry Reviews</i> , 2005, 24, 55-99.	5.4	392
60	S-Nitrosation versus S-Glutathionylation of Protein Sulfhydryl Groups by S-Nitrosoglutathione. <i>Antioxidants and Redox Signaling</i> , 2005, 7, 930-939.	5.4	127
61	Interference of Plasmatic Reduced Glutathione and Hemolysis on Glutathione Disulfide Levels in Human Blood. <i>Free Radical Research</i> , 2004, 38, 1101-1106.	3.3	19
62	Adaptation of the Griess Reaction for Detection of Nitrite in Human Plasma. <i>Free Radical Research</i> , 2004, 38, 1235-1240.	3.3	60
63	Nitric oxide, S-nitrosothiols and hemoglobin: is methodology the key?. <i>Trends in Pharmacological Sciences</i> , 2004, 25, 311-316.	8.7	49
64	Protein carbonyl groups as biomarkers of oxidative stress. <i>Clinica Chimica Acta</i> , 2003, 329, 23-38.	1.1	1,888
65	Actin S-glutathionylation: evidence against a thiol-disulphide exchange mechanism. <i>Free Radical Biology and Medicine</i> , 2003, 35, 1185-1193.	2.9	104
66	An improved HPLC measurement for GSH and GSSG in human blood. <i>Free Radical Biology and Medicine</i> , 2003, 35, 1365-1372.	2.9	140
67	Nitric oxide and S-nitrosothiols in human blood. <i>Clinica Chimica Acta</i> , 2003, 330, 85-98.	1.1	117
68	Protein carbonylation in human diseases. <i>Trends in Molecular Medicine</i> , 2003, 9, 169-176.	6.7	813
69	Protein Glutathionylation in Erythrocytes. <i>Clinical Chemistry</i> , 2003, 49, 327-330.	3.2	59
70	The actin cytoskeleton response to oxidants: from small heat shock protein phosphorylation to changes in the redox state of actin itself. <i>Free Radical Biology and Medicine</i> , 2001, 31, 1624-1632.	2.9	353
71	Different Metabolizing Ability of Thiol Reactants in Human and Rat Blood. <i>Journal of Biological Chemistry</i> , 2001, 276, 7004-7010.	3.4	76
72	Thetert-Butyl Hydroperoxide-Induced Oxidation of Actin Cys-374 Is Coupled with Structural Changes in Distant Regions of the Protein. <i>Biochemistry</i> , 1999, 38, 12471-12480.	2.5	59

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73	Effects of Chlorpromazine on Actin Polymerization: Slackening of Filament Elongation and Filament Annealing. Archives of Biochemistry and Biophysics, 1999, 369, 59-67.	3.0	9
74	Effect of Replacement of the Tightly Bound Ca <sup>2+</sup> by Ba <sup>2+</sup> on Actin Polymerization. Archives of Biochemistry and Biophysics, 1998, 351, 141-148.	3.0	8
75	Prolonged Oxidative Stress on Actin. Archives of Biochemistry and Biophysics, 1997, 339, 267-274.	3.0	71
76	Actin assembly by cadmium ions. Biochimica Et Biophysica Acta - Molecular Cell Research, 1997, 1357, 5-17.	4.1	23
77	Xenopus laevis sperm proteins, previously identified as surface proteins with egg coat binding capability, are indeed histone H4, histone H3, and sperm specific protein SP2. The Journal of Experimental Zoology, 1992, 263, 210-214.	1.4	5
78	Lithium increases actin polymerization rates by enhancing the nucleation step. Journal of Molecular Biology, 1991, 217, 401-404.	4.2	12
79	How does doxorubicin interfere with actin polymerization?. Biochimica Et Biophysica Acta - Molecular Cell Research, 1988, 968, 9-16.	4.1	18
80	Notes on Technic: Use of Tetramethylrhodamine-Phalloidin in the Morphological Study of Striated Skeletal Muscle. Biotechnic & Histochemistry, 1987, 62, 130-132.	0.4	1
81	Computer-assisted mathematical analysis of sigmoid biological events. Bioinformatics, 1986, 2, 19-22.	4.1	1