Aldo Milzani

List of Publications by Year
in descending order

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103	11,565	50276	30922
papers	citations	46 h-index	102 g-index

108	108	108	15307
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Measurement of S-glutathionylated proteins by HPLC. Amino Acids, 2022, 54, 675-686.	2.7	5
2	Preliminary experience on the use of sucrosomial iron in hemodialysis: focus on safety, hemoglobin maintenance and oxidative stress. International Urology and Nephrology, 2022, 54, 1145-1153.	1.4	2
3	Blood Thiol Redox State in Chronic Kidney Disease. International Journal of Molecular Sciences, 2022, 23, 2853.	4.1	5
4	Protein thiolation index in microvolumes of plasma. Analytical Biochemistry, 2021, 618, 114125.	2.4	3
5	Antioxidants in smokers. Nutrition Research Reviews, 2021, , 1-28.	4.1	8
6	Anethole Dithiolethione Increases Glutathione in Kidney by Inhibiting Î³-Glutamyltranspeptidase: Biochemical Interpretation and Pharmacological Consequences. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-13.	4.0	7
7	Plasma Protein Carbonyls as Biomarkers of Oxidative Stress in Chronic Kidney Disease, Dialysis, and Transplantation. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-20.	4.0	15
8	Cigarette smoke and glutathione: Focus on in vitro cell models. Toxicology in Vitro, 2020, 65, 104818.	2.4	12
9	Sulforaphane Cannot Protect Human Fibroblasts From Repeated, Short and Sublethal Treatments with Hydrogen Peroxide. International Journal of Environmental Research and Public Health, 2019, 16, 657.	2.6	4
10	Membrane Skeletal Protein S-Glutathionylation in Human Red Blood Cells as Index of Oxidative Stress. Chemical Research in Toxicology, 2019, 32, 1096-1102.	3.3	16
11	Advanced oxidation protein products in nondiabetic end stage renal disease patients on maintenance haemodialysis. Free Radical Research, 2019, 53, 1114-1124.	3.3	11
12	Protein carbonylation in human bronchial epithelial cells exposed to cigarette smoke extract. Cell Biology and Toxicology, 2019, 35, 345-360.	5.3	26
13	Plasma Protein Carbonylation in Haemodialysed Patients: Focus on Diabetes and Gender. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-12.	4.0	16
14	N-acetylcysteine ethyl ester as GSH enhancer in human primary endothelial cells: A comparative study with other drugs. Free Radical Biology and Medicine, 2018, 126, 202-209.	2.9	19
15	Antioxidants and embryo phenotype: is there experimental evidence for strong integration of the antioxidant system?. Journal of Experimental Biology, 2017, 220, 615-624.	1.7	7
16	Plasma protein-bound di-tyrosines as biomarkers of oxidative stress in end stage renal disease patients on maintenance haemodialysis. BBA Clinical, 2017, 7, 55-63.	4.1	16
17	Yolk vitamin E prevents oxidative damage in gull hatchlings. Royal Society Open Science, 2017, 4, 170098.	2.4	27
18	Determination of protein thiolation index (PTI) as a biomarker of oxidative stress in human serum. Analytical Biochemistry, 2017, 538, 38-41.	2.4	10

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19	Assessment of glutathione/glutathione disulphide ratio and S-glutathionylated proteins in human blood, solid tissues, and cultured cells. Free Radical Biology and Medicine, 2017, 112, 360-375.	2.9	111
20	Thiol oxidation and di-tyrosine formation in human plasma proteins induced by inflammatory concentrations of hypochlorous acid. Journal of Proteomics, 2017, 152, 22-32.	2.4	34
21	Protein Carbonylation in Human Smokers and Mammalian Models of Exposure to Cigarette Smoke: Focus on Redox Proteomic Studies. Antioxidants and Redox Signaling, 2017, 26, 406-426.	5.4	13
22	Single Silver Nanoparticle Instillation Induced Early and Persisting Moderate Cortical Damage in Rat Kidneys. International Journal of Molecular Sciences, 2017, 18, 2115.	4.1	17
23	Dietary flavonoids advance timing of moult but do not affect redox status of juvenile blackbirds (Turdus merula). Journal of Experimental Biology, 2016, 219, 3155-3162.	1.7	4
24	Pitfalls in the analysis of the physiological antioxidant glutathione (GSH) and its disulfide (GSSG) in biological samples: An elephant in the room. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1019, 21-28.	2.3	107
25	A step-by-step protocol for assaying protein carbonylation in biological samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1019, 178-190.	2.3	119
26	Identification of dityrosine cross-linked sites in oxidized human serum albumin. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1019, 147-155.	2.3	25
27	Potential toxicity of environmentally relevant perfluorooctane sulfonate (PFOS) concentrations to yellow-legged gull Larus michahellis embryos. Environmental Science and Pollution Research, 2016, 23, 426-437.	5.3	13
28	Plasma protein thiolation index (PTI) as a biomarker of thiol-specific oxidative stress in haemodialyzed patients. Free Radical Biology and Medicine, 2015, 89, 443-451.	2.9	22
29	Glutathione, glutathione disulfide, and S-glutathionylated proteins in cell cultures. Free Radical Biology and Medicine, 2015, 89, 972-981.	2.9	59
30	A central role for intermolecular dityrosine cross-linking of fibrinogen in high molecular weight advanced oxidation protein product (AOPP) formation. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 1-12.	2.4	48
31	Pathophysiology of tobacco smoke exposure: Recent insights from comparative and redox proteomics. Mass Spectrometry Reviews, 2014, 33, 183-218.	5.4	39
32	Cigarette smoke induces alterations in the drug-binding properties of human serum albumin. Blood Cells, Molecules, and Diseases, 2014, 52, 166-174.	1.4	13
33	Analysis of GSH and GSSG after derivatization with N-ethylmaleimide. Nature Protocols, 2013, 8, 1660-1669.	12.0	257
34	Protein carbonylation in human endothelial cells exposed to cigarette smoke extract. Toxicology Letters, 2013, 218, 118-128.	0.8	25
35	Protein thiolation index (PTI) as a biomarker of oxidative stress. Free Radical Biology and Medicine, 2012, 53, 907-915.	2.9	40
36	N-Acetylcysteine ethyl ester (NACET): A novel lipophilic cell-permeable cysteine derivative with an unusual pharmacokinetic feature and remarkable antioxidant potential. Biochemical Pharmacology, 2012, 84, 1522-1533.	4.4	68

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37	Redox Albuminomics: Oxidized Albumin in Human Diseases. Antioxidants and Redox Signaling, 2012, 17, 1515-1527.	5.4	121
38	Sex-Related Effects of Reproduction on Biomarkers of Oxidative Damage in Free-living Barn Swallows (Hirundo rustica). PLoS ONE, 2012, 7, e48955.	2.5	20
39	Oxidative damage in human gingival fibroblasts exposed to cigarette smoke. Free Radical Biology and Medicine, 2012, 52, 1584-1596.	2.9	73
40	Pancreatic cancer cells retain the epithelial-related phenotype and modify mitotic spindle microtubules after the administration of ukrain in vitro. Anti-Cancer Drugs, 2012, 23, 935-946.	1.4	12
41	Red Blood Cells Protect Albumin from Cigarette Smokeâ€“Induced Oxidation. PLoS ONE, 2012, 7, e29930.	2.5	22
42	S-Glutathiolation in life and death decisions of the cell. Free Radical Research, 2011, 45, 3-15.	3.3	58
43	Malignant phenotype of renal cell carcinoma cells is switched by Ukrain administration in vitro. Anti-Cancer Drugs, 2011, 22, 749-762.	1.4	11
44	Low molecular mass thiols, disulfides and protein mixed disulfides in rat tissues: Influence of sample manipulation, oxidative stress and ageing. Mechanisms of Ageing and Development, 2011, 132, 141-148.	4.6	58
45	Detection of glutathione in whole blood after stabilization with N-ethylmaleimide. Analytical Biochemistry, 2011, 415, 81-83.	2.4	59
46	Ukrain Affects Pancreas Cancer Cell Phenotype in vitro by Targeting MMP-9 and Intra-/Extracellular SPARC Expression. Pancreatology, 2010, 10, 545-552.	1.1	19
47	The potential of resveratrol against human gliomas. Anti-Cancer Drugs, 2010, 21, 140-150.	1.4	49
48	Water-Soluble Î±,Î²-Unsaturated Aldehydes of Cigarette Smoke Induce Carbonylation of Human Serum Albumin. Antioxidants and Redox Signaling, 2010, 12, 349-364.	5.4	68
49	Cellular redox potential and hemoglobin S-glutathionylation in human and rat erythrocytes: A comparative study. Blood Cells, Molecules, and Diseases, 2010, 44, 133-139.	1.4	18
50	Protein S-glutathionylation: a regulatory device from bacteria to humans. Trends in Biochemical Sciences, 2009, 34, 85-96.	7.5	557
51	Protein carbonylation: 2,4-dinitrophenylhydrazine reacts with both aldehydes/ketones and sulfenic acids. Free Radical Biology and Medicine, 2009, 46, 1411-1419.	2.9	76
52	Oxidative stress induces a reversible flux of cysteine from tissues to blood inâ€ƒvivo in the rat. FEBS Journal, 2009, 276, 4946-4958.	4.7	20
53	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 3467-3474.	2.3	8
54	Carboplatin-induced alteration of the thiol homeostasis in the isolated perfused rat kidney. Archives of Biochemistry and Biophysics, 2009, 488, 83-89.	3.0	8

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55	Molecular Mechanisms and Potential Clinical Significance ofS-Glutathionylation. Antioxidants and Redox Signaling, 2008, 10, 445-474.	5.4	275
56	Nitrite and Nitrate Measurement by Griess Reagent in Human Plasma: Evaluation of Interferences and Standardization. Methods in Enzymology, 2008, 440, 361-380.	1.0	272
57	Is ascorbate able to reduce disulfide bridges? A cautionary note. Nitric Oxide - Biology and Chemistry, 2008, 19, 252-258.	2.7	112
58	Red blood cells as a physiological source of glutathione for extracellular fluids. Blood Cells, Molecules, and Diseases, 2008, 40, 174-179.	1.4	70
59	Intervention strategies to inhibit protein carbonylation by lipoxidation-derived reactive carbonyls. Medicinal Research Reviews, 2007, 27, 817-868.	10.5	256
60	Detection of S-nitrosothiols in biological fluids: A comparison among the most widely applied methodologies. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 851, 124-139.	2.3	120
61	Actin Cys374 as a nucleophilic target of Î±,Î²-unsaturated aldehydes. Free Radical Biology and Medicine, 2007, 42, 583-598.	2.9	82
62	S-glutathionylation in protein redox regulation. Free Radical Biology and Medicine, 2007, 43, 883-898.	2.9	422
63	Oxidized Forms of Glutathione in Peripheral Blood as Biomarkers of Oxidative Stress. Clinical Chemistry, 2006, 52, 1406-1414.	3.2	125
64	Biomarkers of Oxidative Damage in Human Disease. Clinical Chemistry, 2006, 52, 601-623.	3.2	1,395
65	Membrane skeletal protein S-glutathionylation and hemolysis in human red blood cells. Blood Cells, Molecules, and Diseases, 2006, 37, 180-187.	1.4	30
66	Age-Related Influence on Thiol, Disulfide, and Protein-Mixed Disulfide Levels in Human Plasma. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2006, 61, 1030-1038.	3.6	122
67	Early cytotoxic effects of ochratoxin A in rat liver: A morphological, biochemical and molecular study. Toxicology, 2006, 225, 214-224.	4.2	85
68	Protein carbonylation, cellular dysfunction, and disease progression. Journal of Cellular and Molecular Medicine, 2006, 10, 389-406.	3.6	691
69	Metabolism of oxidants by blood from different mouse strains. Biochemical Pharmacology, 2006, 71, 1753-1764.	4.4	20
70	Protein S-glutathionylation and platelet anti-aggregating activity of disulfiram. Biochemical Pharmacology, 2006, 72, 608-615.	4.4	22
71	Lipoxidation-Derived Reactive Carbonyl Species as Potential Drug Targets in Preventing Protein Carbonylation and Related Cellular Dysfunction. ChemMedChem, 2006, 1, 1045-1058.	3.2	78
72	Proteins as Sensitive Biomarkers of Human Conditions Associated with Oxidative Stress. , 2006, , 485-525.		3

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73	Is There an Answer?. IUBMB Life, 2005, 57, 189-192.	3.4	12
74	S-glutathionylation in human platelets by a thiolâ€“disulfide exchange-independent mechanism. Free Radical Biology and Medicine, 2005, 38, 1501-1510.	2.9	74
75	Proteins as biomarkers of oxidative/nitrosative stress in diseases: The contribution of redox proteomics. Mass Spectrometry Reviews, 2005, 24, 55-99.	5.4	392
76	S-Nitrosation versus S-Glutathionylation of Protein Sulfhydryl Groups by S-Nitrosoglutathione. Antioxidants and Redox Signaling, 2005, 7, 930-939.	5.4	127
77	Interference of Plasmatic Reduced Glutathione and Hemolysis on Glutathione Disulfide Levels in Human Blood. Free Radical Research, 2004, 38, 1101-1106.	3.3	19
78	Adaptation of the Griess Reaction for Detection of Nitrite in Human Plasma. Free Radical Research, 2004, 38, 1235-1240.	3.3	60
79	Nitric oxide, S-nitrosothiols and hemoglobin: is methodology the key?. Trends in Pharmacological Sciences, 2004, 25, 311-316.	8.7	49
80	Protein carbonyl groups as biomarkers of oxidative stress. Clinica Chimica Acta, 2003, 329, 23-38.	1.1	1,888
81	Actin S-glutathionylation: evidence against a thiol-disulphide exchange mechanism. Free Radical Biology and Medicine, 2003, 35, 1185-1193.	2.9	104
82	An improved HPLC measurement for GSH and GSSG in human blood. Free Radical Biology and Medicine, 2003, 35, 1365-1372.	2.9	140
83	Nitric oxide and S-nitrosothiols in human blood. Clinica Chimica Acta, 2003, 330, 85-98.	1.1	117
84	Protein carbonylation in human diseases. Trends in Molecular Medicine, 2003, 9, 169-176.	6.7	813
85	Protein Glutathionylation in Erythrocytes. Clinical Chemistry, 2003, 49, 327-330.	3.2	59
86	Blood Glutathione Disulfide: In Vivo Factor or in Vitro Artifact?. Clinical Chemistry, 2002, 48, 742-753.	3.2	227
87	Blood glutathione disulfide: in vivo factor or in vitro artifact?. Clinical Chemistry, 2002, 48, 742-53.	3.2	53
88	Physiological Levels of S -Nitrosothiols in Human Plasma. Circulation Research, 2001, 89, .	4.5	38
89	The actin cytoskeleton response to oxidants: from small heat shock protein phosphorylation to changes in the redox state of actin itself. Free Radical Biology and Medicine, 2001, 31, 1624-1632.	2.9	353
90	Different Metabolizing Ability of Thiol Reactants in Human and Rat Blood. Journal of Biological Chemistry, 2001, 276, 7004-7010.	3.4	76

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91	The oxidation produced by hydrogen peroxide on Caâ€ATPâ€Câ€actin. Protein Science, 2000, 9, 1774-1782.	7.6	58
92	Thetert-Butyl Hydroperoxide-Induced Oxidation of Actin Cys-374 Is Coupled with Structural Changes in Distant Regions of the Proteinâ€. Biochemistry, 1999, 38, 12471-12480.	2.5	59
93	G-actin conformational change and polymerization induced by paraquat. Biochemistry and Cell Biology, 1998, 76, 583-591.	2.0	5
94	Effect of Replacement of the Tightly Bound Ca2+by Ba2+on Actin Polymerization. Archives of Biochemistry and Biophysics, 1998, 351, 141-148.	3.0	8
95	Prolonged Oxidative Stress on Actin. Archives of Biochemistry and Biophysics, 1997, 339, 267-274.	3.0	71
96	Actin assembly by cadmium ions. Biochimica Et Biophysica Acta - Molecular Cell Research, 1997, 1357, 5-17.	4.1	23
97	Paraquat induces actin assembly in depolymerizing conditions. FASEB Journal, 1997, 11, 261-270.	0.5	19
98	N-Ethylmaleimide-modified actin filaments do not bundle in the presence of Î±-actinin. Biochemistry and Cell Biology, 1995, 73, 116-122.	2.0	2
99	Î±-Actinin Increases Actin Filament End Concentration by Inhibiting Annealing. Journal of Molecular Biology, 1993, 230, 1151-1158.	4.2	13
100	Lithium preserves F-actin from the disarrangement induced by either DNase I or cytochalasin D. Biochemistry and Cell Biology, 1993, 71, 440-446.	2.0	0
101	Lithium increases actin polymerization rates by enhancing the nucleation step. Journal of Molecular Biology, 1991, 217, 401-404.	4.2	12
102	How does doxorubicin interfere with actin polymerization?. Biochimica Et Biophysica Acta - Molecular Cell Research, 1988, 968, 9-16.	4.1	18
103	Notes on Technic: Use of Tetramethylrhodamine-Phallacidin in the Morphological Study of Striated Skeletal Muscle. Biotechnic & Histochemistry, 1987, 62, 130-132.	0.4	1