

Aldo Milzani

List of Publications by Year in descending order

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103
papers

11,565
citations

50244

46
h-index

30894

102
g-index

108
all docs

108
docs citations

108
times ranked

15307
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of S-glutathionylated proteins by HPLC. <i>Amino Acids</i> , 2022, 54, 675-686.	1.2	5
2	Preliminary experience on the use of sucrosomial iron in hemodialysis: focus on safety, hemoglobin maintenance and oxidative stress. <i>International Urology and Nephrology</i> , 2022, 54, 1145-1153.	0.6	2
3	Blood Thiol Redox State in Chronic Kidney Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2853.	1.8	5
4	Protein thiolation index in microvolumes of plasma. <i>Analytical Biochemistry</i> , 2021, 618, 114125.	1.1	3
5	Antioxidants in smokers. <i>Nutrition Research Reviews</i> , 2021, , 1-28.	2.1	8
6	Anethole Dithiolethione Increases Glutathione in Kidney by Inhibiting $\hat{\Gamma}^3$ -Glutamyltranspeptidase: Biochemical Interpretation and Pharmacological Consequences. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-13.	1.9	7
7	Plasma Protein Carbonyls as Biomarkers of Oxidative Stress in Chronic Kidney Disease, Dialysis, and Transplantation. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-20.	1.9	15
8	Cigarette smoke and glutathione: Focus on in vitro cell models. <i>Toxicology in Vitro</i> , 2020, 65, 104818.	1.1	12
9	Sulforaphane Cannot Protect Human Fibroblasts From Repeated, Short and Sublethal Treatments with Hydrogen Peroxide. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 657.	1.2	4
10	Membrane Skeletal Protein <i>S</i> -Glutathionylation in Human Red Blood Cells as Index of Oxidative Stress. <i>Chemical Research in Toxicology</i> , 2019, 32, 1096-1102.	1.7	16
11	Advanced oxidation protein products in nondiabetic end stage renal disease patients on maintenance haemodialysis. <i>Free Radical Research</i> , 2019, 53, 1114-1124.	1.5	11
12	Protein carbonylation in human bronchial epithelial cells exposed to cigarette smoke extract. <i>Cell Biology and Toxicology</i> , 2019, 35, 345-360.	2.4	26
13	Plasma Protein Carbonylation in Haemodialysed Patients: Focus on Diabetes and Gender. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-12.	1.9	16
14	N-acetylcysteine ethyl ester as GSH enhancer in human primary endothelial cells: A comparative study with other drugs. <i>Free Radical Biology and Medicine</i> , 2018, 126, 202-209.	1.3	19
15	Antioxidants and embryo phenotype: is there experimental evidence for strong integration of the antioxidant system?. <i>Journal of Experimental Biology</i> , 2017, 220, 615-624.	0.8	7
16	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
17	Yolk vitamin E prevents oxidative damage in gull hatchlings. <i>Royal Society Open Science</i> , 2017, 4, 170098.	1.1	27
18	Determination of protein thiolation index (PTI) as a biomarker of oxidative stress in human serum. <i>Analytical Biochemistry</i> , 2017, 538, 38-41.	1.1	10

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19	Assessment of glutathione/glutathione disulphide ratio and S-glutathionylated proteins in human blood, solid tissues, and cultured cells. <i>Free Radical Biology and Medicine</i> , 2017, 112, 360-375.	1.3	111
20	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.	1.2	34
21	Protein Carbonylation in Human Smokers and Mammalian Models of Exposure to Cigarette Smoke: Focus on Redox Proteomic Studies. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 406-426.	2.5	13
22	Single Silver Nanoparticle Instillation Induced Early and Persisting Moderate Cortical Damage in Rat Kidneys. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2115.	1.8	17
23	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.	0.8	4
24	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.	1.2	107
25	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.	1.2	119
26	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.	1.2	25
27	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.	2.7	13
28	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.	1.3	22
29	Glutathione, glutathione disulfide, and S-glutathionylated proteins in cell cultures. <i>Free Radical Biology and Medicine</i> , 2015, 89, 972-981.	1.3	59
30	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.	1.1	48
31	Pathophysiology of tobacco smoke exposure: Recent insights from comparative and redox proteomics. <i>Mass Spectrometry Reviews</i> , 2014, 33, 183-218.	2.8	39
32	Cigarette smoke induces alterations in the drug-binding properties of human serum albumin. <i>Blood Cells, Molecules, and Diseases</i> , 2014, 52, 166-174.	0.6	13
33	Analysis of GSH and GSSG after derivatization with N-ethylmaleimide. <i>Nature Protocols</i> , 2013, 8, 1660-1669.	5.5	257
34	Protein carbonylation in human endothelial cells exposed to cigarette smoke extract. <i>Toxicology Letters</i> , 2013, 218, 118-128.	0.4	25
35	Protein thiolation index (PTI) as a biomarker of oxidative stress. <i>Free Radical Biology and Medicine</i> , 2012, 53, 907-915.	1.3	40
36	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.	2.0	68

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37	Redox Albuminomics: Oxidized Albumin in Human Diseases. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 1515-1527.	2.5	121
38	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.	1.1	20
39	Oxidative damage in human gingival fibroblasts exposed to cigarette smoke. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1584-1596.	1.3	73
40	Pancreatic cancer cells retain the epithelial-related phenotype and modify mitotic spindle microtubules after the administration of urokinase in vitro. <i>Anti-Cancer Drugs</i> , 2012, 23, 935-946.	0.7	12
41	Red Blood Cells Protect Albumin from Cigarette Smoke-Induced Oxidation. <i>PLoS ONE</i> , 2012, 7, e29930.	1.1	22
42	S-Glutathionylation in life and death decisions of the cell. <i>Free Radical Research</i> , 2011, 45, 3-15.	1.5	58
43	Malignant phenotype of renal cell carcinoma cells is switched by Urokinase administration in vitro. <i>Anti-Cancer Drugs</i> , 2011, 22, 749-762.	0.7	11
44	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.	2.2	58
45	Detection of glutathione in whole blood after stabilization with N-ethylmaleimide. <i>Analytical Biochemistry</i> , 2011, 415, 81-83.	1.1	59
46	Urokinase Affects Pancreas Cancer Cell Phenotype in vitro by Targeting MMP-9 and Intra-/Extracellular SPARC Expression. <i>Pancreatology</i> , 2010, 10, 545-552.	0.5	19
47	The potential of resveratrol against human gliomas. <i>Anti-Cancer Drugs</i> , 2010, 21, 140-150.	0.7	49
48	Water-Soluble α,β -Unsaturated Aldehydes of Cigarette Smoke Induce Carbonylation of Human Serum Albumin. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 349-364.	2.5	68
49	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.	0.6	18
50	Protein S-glutathionylation: a regulatory device from bacteria to humans. <i>Trends in Biochemical Sciences</i> , 2009, 34, 85-96.	3.7	557
51	Protein carbonylation: 2,4-dinitrophenylhydrazine reacts with both aldehydes/ketones and sulfenic acids. <i>Free Radical Biology and Medicine</i> , 2009, 46, 1411-1419.	1.3	76
52	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.	2.2	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. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3467-3474.	1.2	8
54	Carboplatin-induced alteration of the thiol homeostasis in the isolated perfused rat kidney. <i>Archives of Biochemistry and Biophysics</i> , 2009, 488, 83-89.	1.4	8

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55	Molecular Mechanisms and Potential Clinical Significance of S-Glutathionylation. <i>Antioxidants and Redox Signaling</i> , 2008, 10, 445-474.	2.5	275
56	Nitrite and Nitrate Measurement by Griess Reagent in Human Plasma: Evaluation of Interferences and Standardization. <i>Methods in Enzymology</i> , 2008, 440, 361-380.	0.4	272
57	Is ascorbate able to reduce disulfide bridges? A cautionary note. <i>Nitric Oxide - Biology and Chemistry</i> , 2008, 19, 252-258.	1.2	112
58	Red blood cells as a physiological source of glutathione for extracellular fluids. <i>Blood Cells, Molecules, and Diseases</i> , 2008, 40, 174-179.	0.6	70
59	Intervention strategies to inhibit protein carbonylation by lipoxidation-derived reactive carbonyls. <i>Medicinal Research Reviews</i> , 2007, 27, 817-868.	5.0	256
60	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.	1.2	120
61	Actin Cys374 as a nucleophilic target of α,β -unsaturated aldehydes. <i>Free Radical Biology and Medicine</i> , 2007, 42, 583-598.	1.3	82
62	S-glutathionylation in protein redox regulation. <i>Free Radical Biology and Medicine</i> , 2007, 43, 883-898.	1.3	422
63	Oxidized Forms of Glutathione in Peripheral Blood as Biomarkers of Oxidative Stress. <i>Clinical Chemistry</i> , 2006, 52, 1406-1414.	1.5	125
64	Biomarkers of Oxidative Damage in Human Disease. <i>Clinical Chemistry</i> , 2006, 52, 601-623.	1.5	1,395
65	Membrane skeletal protein S-glutathionylation and hemolysis in human red blood cells. <i>Blood Cells, Molecules, and Diseases</i> , 2006, 37, 180-187.	0.6	30
66	Age-Related Influence on Thiol, Disulfide, and Protein-Mixed Disulfide Levels in Human Plasma. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006, 61, 1030-1038.	1.7	122
67	Early cytotoxic effects of ochratoxin A in rat liver: A morphological, biochemical and molecular study. <i>Toxicology</i> , 2006, 225, 214-224.	2.0	85
68	Protein carbonylation, cellular dysfunction, and disease progression. <i>Journal of Cellular and Molecular Medicine</i> , 2006, 10, 389-406.	1.6	691
69	Metabolism of oxidants by blood from different mouse strains. <i>Biochemical Pharmacology</i> , 2006, 71, 1753-1764.	2.0	20
70	Protein S-glutathionylation and platelet anti-aggregating activity of disulfiram. <i>Biochemical Pharmacology</i> , 2006, 72, 608-615.	2.0	22
71	Lipoxidation-Derived Reactive Carbonyl Species as Potential Drug Targets in Preventing Protein Carbonylation and Related Cellular Dysfunction. <i>ChemMedChem</i> , 2006, 1, 1045-1058.	1.6	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.	1.5	12
74	S-glutathionylation in human platelets by a thiol-disulfide exchange-independent mechanism. Free Radical Biology and Medicine, 2005, 38, 1501-1510.	1.3	74
75	Proteins as biomarkers of oxidative/nitrosative stress in diseases: The contribution of redox proteomics. Mass Spectrometry Reviews, 2005, 24, 55-99.	2.8	392
76	S-Nitrosation versus S-Glutathionylation of Protein Sulfhydryl Groups by S-Nitrosoglutathione. Antioxidants and Redox Signaling, 2005, 7, 930-939.	2.5	127
77	Interference of Plasmatic Reduced Glutathione and Hemolysis on Glutathione Disulfide Levels in Human Blood. Free Radical Research, 2004, 38, 1101-1106.	1.5	19
78	Adaptation of the Griess Reaction for Detection of Nitrite in Human Plasma. Free Radical Research, 2004, 38, 1235-1240.	1.5	60
79	Nitric oxide, S-nitrosothiols and hemoglobin: is methodology the key?. Trends in Pharmacological Sciences, 2004, 25, 311-316.	4.0	49
80	Protein carbonyl groups as biomarkers of oxidative stress. Clinica Chimica Acta, 2003, 329, 23-38.	0.5	1,888
81	Actin S-glutathionylation: evidence against a thiol-disulphide exchange mechanism. Free Radical Biology and Medicine, 2003, 35, 1185-1193.	1.3	104
82	An improved HPLC measurement for GSH and GSSG in human blood. Free Radical Biology and Medicine, 2003, 35, 1365-1372.	1.3	140
83	Nitric oxide and S-nitrosothiols in human blood. Clinica Chimica Acta, 2003, 330, 85-98.	0.5	117
84	Protein carbonylation in human diseases. Trends in Molecular Medicine, 2003, 9, 169-176.	3.5	813
85	Protein Glutathionylation in Erythrocytes. Clinical Chemistry, 2003, 49, 327-330.	1.5	59
86	Blood Glutathione Disulfide: In Vivo Factor or in Vitro Artifact?. Clinical Chemistry, 2002, 48, 742-753.	1.5	227
87	Blood glutathione disulfide: in vivo factor or in vitro artifact?. Clinical Chemistry, 2002, 48, 742-53.	1.5	53
88	Physiological Levels of S-Nitrosothiols in Human Plasma. Circulation Research, 2001, 89, .	2.0	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.	1.3	353
90	Different Metabolizing Ability of Thiol Reactants in Human and Rat Blood. Journal of Biological Chemistry, 2001, 276, 7004-7010.	1.6	76

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91	The oxidation produced by hydrogen peroxide on Ca ²⁺ -ATPase-actin. <i>Protein Science</i> , 2000, 9, 1774-1782.	3.1	58
92	The tert-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.	1.2	59
93	G-actin conformational change and polymerization induced by paraquat. <i>Biochemistry and Cell Biology</i> , 1998, 76, 583-591.	0.9	5
94	Effect of Replacement of the Tightly Bound Ca ²⁺ by Ba ²⁺ on Actin Polymerization. <i>Archives of Biochemistry and Biophysics</i> , 1998, 351, 141-148.	1.4	8
95	Prolonged Oxidative Stress on Actin. <i>Archives of Biochemistry and Biophysics</i> , 1997, 339, 267-274.	1.4	71
96	Actin assembly by cadmium ions. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1997, 1357, 5-17.	1.9	23
97	Paraquat induces actin assembly in depolymerizing conditions. <i>FASEB Journal</i> , 1997, 11, 261-270.	0.2	19
98	N-Ethylmaleimide-modified actin filaments do not bundle in the presence of β -actinin. <i>Biochemistry and Cell Biology</i> , 1995, 73, 116-122.	0.9	2
99	β -Actinin Increases Actin Filament End Concentration by Inhibiting Annealing. <i>Journal of Molecular Biology</i> , 1993, 230, 1151-1158.	2.0	13
100	Lithium preserves F-actin from the disarrangement induced by either DNase I or cytochalasin D. <i>Biochemistry and Cell Biology</i> , 1993, 71, 440-446.	0.9	0
101	Lithium increases actin polymerization rates by enhancing the nucleation step. <i>Journal of Molecular Biology</i> , 1991, 217, 401-404.	2.0	12
102	How does doxorubicin interfere with actin polymerization?. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1988, 968, 9-16.	1.9	18
103	Notes on Technic: Use of Tetramethylrhodamine-Phalloidin in the Morphological Study of Striated Skeletal Muscle. <i>Biotechnic & Histochemistry</i> , 1987, 62, 130-132.	0.4	1