Graziano Colombo

List of Publications by Year
in descending order

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57 papers	2,327 citations	257450 24 h-index	214800 47 g-index
60 all docs	60 docs citations	60 times ranked	4362 citing authors

#	Article	IF	Citations
1	Protein S-glutathionylation: a regulatory device from bacteria to humans. Trends in Biochemical Sciences, 2009, 34, 85-96.	7.5	557
2	Engineered cobalt oxide nanoparticles readily enter cells. Toxicology Letters, 2009, 189, 253-259.	0.8	149
3	Redox Albuminomics: Oxidized Albumin in Human Diseases. Antioxidants and Redox Signaling, 2012, 17, 1515-1527.	5.4	121
4	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
5	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
6	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
7	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
8	Oxidative damage in human gingival fibroblasts exposed to cigarette smoke. Free Radical Biology and Medicine, 2012, 52, 1584-1596.	2.9	73
9	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
10	S-Glutathiolation in life and death decisions of the cell. Free Radical Research, 2011, 45, 3-15.	3.3	58
11	The potential of resveratrol against human gliomas. Anti-Cancer Drugs, 2010, 21, 140-150.	1.4	49
12	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
13	From Food Waste to Innovative Biomaterial: Sea Urchin-Derived Collagen for Applications in Skin Regenerative Medicine. Marine Drugs, 2020, 18, 414.	4.6	46
14	A proteomic study using zebra mussels (D. polymorpha) exposed to benzo(Î±)pyrene: The role of gender and exposure concentrations. Aquatic Toxicology, 2011, 104, 14-22.	4.0	42
15	Protein thiolation index (PTI) as a biomarker of oxidative stress. Free Radical Biology and Medicine, 2012, 53, 907-915.	2.9	40
16	Pathophysiology of tobacco smoke exposure: Recent insights from comparative and redox proteomics. Mass Spectrometry Reviews, 2014, 33, 183-218.	5.4	39
17	Viability Is Associated with Melanin-Based Coloration in the Barn Swallow (Hirundo rustica). PLoS ONE, 2013, 8, e60426.	2.5	37
18	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

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19	Transcriptomic and Proteomic Analyses of Mouse Cerebellum Reveals Alterations in RasGRF1 Expression Following In Vivo Chronic Treatment with Delta 9-Tetrahydrocannabinol. Journal of Molecular Neuroscience, 2009, 37, 111-122.	2.3	29
20	Overexpression of CUGBP1 in Skeletal Muscle from Adult Classic Myotonic Dystrophy Type 1 but Not from Myotonic Dystrophy Type 2. PLoS ONE, 2013, 8, e83777.	2.5	29
21	Yolk vitamin E prevents oxidative damage in gull hatchlings. Royal Society Open Science, 2017, 4, 170098.	2.4	27
22	Protein carbonylation in human bronchial epithelial cells exposed to cigarette smoke extract. Cell Biology and Toxicology, 2019, 35, 345-360.	5.3	26
23	Protein carbonylation in human endothelial cells exposed to cigarette smoke extract. Toxicology Letters, 2013, 218, 118-128.	0.8	25
24	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
25	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
26	Red Blood Cells Protect Albumin from Cigarette Smokeâ€“Induced Oxidation. PLoS ONE, 2012, 7, e29930.	2.5	22
27	Fundamental aspects of arm repair phase in two echinoderm models. Developmental Biology, 2018, 433, 297-309.	2.0	21
28	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
29	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
30	Nâ€terminal interaction domain implicates PAK4 in translational regulation and reveals novel cellular localization signals. Journal of Cellular Physiology, 2010, 224, 722-733.	4.1	19
31	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
32	Proteome profile in Myotonic Dystrophy type 2 myotubes reveals dysfunction in protein processing and mitochondrial pathways. Neurobiology of Disease, 2010, 38, 273-280.	4.4	17
33	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
34	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
35	Plasma Protein Carbonylation in Haemodialysed Patients: Focus on Diabetes and Gender. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-12.	4.0	16
36	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

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37	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
38	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
39	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
40	Cytotoxic and proinflammatory responses induced by ZnO nanoparticles in in vitro intestinal barrier. Journal of Applied Toxicology, 2019, 39, 1155-1163.	2.8	13
41	Cigarette smoke and glutathione: Focus on in vitro cell models. Toxicology in Vitro, 2020, 65, 104818.	2.4	12
42	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
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	Advanced oxidation protein products in nondiabetic end stage renal disease patients on maintenance haemodialysis. Free Radical Research, 2019, 53, 1114-1124.	3.3	11
45	Determination of protein thiolation index (PTI) as a biomarker of oxidative stress in human serum. Analytical Biochemistry, 2017, 538, 38-41.	2.4	10
46	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
47	Antioxidants in smokers. Nutrition Research Reviews, 2021, , 1-28.	4.1	8
48	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
49	In vitro copper oxide nanoparticle toxicity on intestinal barrier. Journal of Applied Toxicology, 2021, 41, 291-302.	2.8	6
50	Yolk vitamin E positively affects prenatal growth but not oxidative status in yellow-legged gull embryos. Environmental Epigenetics, 2018, 64, 285-292.	1.8	5
51	Blood Thiol Redox State in Chronic Kidney Disease. International Journal of Molecular Sciences, 2022, 23, 2853.	4.1	5
52	Identification of Novel RasGRF1 Interacting Partners by Large-Scale Proteomic Analysis. Journal of Molecular Neuroscience, 2009, 37, 212-224.	2.3	4
53	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
54	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

#	Article	IF	Citations
55	Identification of Protein Carbonyls (PCOs) in Canine Serum by Western Blot Technique and Preliminary Evaluation of PCO Concentration in Dogs With Systemic Inflammation. Frontiers in Veterinary Science, 2020, 7, 566402.	2.2	4
56	Protein thiolation index in microvolumes of plasma. Analytical Biochemistry, 2021, 618, 114125.	2.4	3
57	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