Isabelle Petropoulos

List of Publications by Year
in descending order

35 papers	2,340 citations	257357 24 h-index	360920 35 g-index
35 all docs	35 docs citations	35 times ranked	2796 citing authors

#	Article	IF	Citations
1	Glyoxal Induces Senescence in Human Keratinocytes through Oxidative Stress and Activation of the Protein Kinase B/FOXO3a/p27KIP1 Pathway. Journal of Investigative Dermatology, 2022, 142, 2068-2078.e7.	0.3	7
2	The Oxidized Protein Repair Enzymes Methionine Sulfoxide Reductases and Their Roles in Protecting against Oxidative Stress, in Ageing and in Regulating Protein Function. Antioxidants, 2018, 7, 191.	2.2	58
3	Circadian modulation of proteasome activity and accumulation of oxidized protein in human embryonic kidney HEK 293 cells and primary dermal fibroblasts. Free Radical Biology and Medicine, 2016, 94, 195-207.	1.3	19
4	The glyoxalase enzymes are differentially localized in epidermis and regulated during ageing and photoageing. Experimental Dermatology, 2016, 25, 492-494.	1.4	10
5	Protein modification and maintenance systems as biomarkers of ageing. Mechanisms of Ageing and Development, 2015, 151, 71-84.	2.2	45
6	Prevention of dicarbonyl-mediated advanced glycation by glyoxalases: implication in skin aging. Biochemical Society Transactions, 2014, 42, 518-522.	1.6	12
7	Protein damage, repair and proteolysis. Molecular Aspects of Medicine, 2014, 35, 1-71.	2.7	189
8	Proteome alteration in oxidative stress-sensitive methionine sulfoxide reductase-silenced HEK293 cells. Free Radical Biology and Medicine, 2013, 65, 1023-1036.	1.3	12
9	Aging of the dopaminergic system and motor behavior in mice intoxicated with the parkinsonian toxin 1â€methylâ€4â€phenylâ€1,2,3,6â€tetrahydropyridine. Journal of Neurochemistry, 2012, 122, 1032-1046.	2.1	9
10	Reduced oxygen tension results in reduced human T cell proliferation and increased intracellular oxidative damage and susceptibility to apoptosis upon activation. Free Radical Biology and Medicine, 2010, 48, 26-34.	1.3	27
11	Oxidized Mitochondrial Protein Degradation and Repair in Aging and Oxidative Stress. Antioxidants and Redox Signaling, 2010, 13, 539-549.	2.5	115
12	Overexpression of Methionine Sulfoxide Reductases A and B2 Protects MOLT-4 Cells Against Zinc-Induced Oxidative Stress. Antioxidants and Redox Signaling, 2009, 11, 215-226.	2.5	35
13	The Proteasome Is an Integral Part of Solar Ultraviolet A Radiation-induced Gene Expression. Journal of Biological Chemistry, 2009, 284, 30076-30086.	1.6	59
14	Mitochondrial protein quality control: Implications in ageing. Biotechnology Journal, 2008, 3, 757-764.	1.8	66
15	Zinc supplementation in the elderly subjects: Effect on oxidized protein degradation and repair systems in peripheral blood lymphocytes. Experimental Gerontology, 2008, 43, 483-487.	1.2	19
16	Overexpression of Mitochondrial Methionine Sulfoxide Reductase B2 Protects Leukemia Cells from Oxidative Stress-induced Cell Death and Protein Damage. Journal of Biological Chemistry, 2008, 283, 16673-16681.	1.6	83
17	Impairment of methionine sulfoxide reductase during UV irradiation and photoaging. Experimental Gerontology, 2007, 42, 859-863.	1.2	30
18	Maintenance of proteins and aging: The role of oxidized protein repair. Free Radical Research, 2006, 40, 1269-1276.	1.5	67

#	Article	IF	Citations
19	Methionine Sulfoxide Reductases: Relevance to Aging and Protection against Oxidative Stress. Annals of the New York Academy of Sciences, 2006, 1067, 37-44.	1.8	106
20	Alterations in mitochondrial and cytosolic methionine sulfoxide reductase activity during cardiac ischemia and reperfusion. Experimental Gerontology, 2006, 41, 663-667.	1.2	39
21	Protein maintenance in aging and replicative senescence: a role for the peptide methionine sulfoxide reductases. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1703, 261-266.	1.1	62
22	Overexpression of MsrA protects WI-38 SV40 human fibroblasts against HO-mediated oxidative stress. Free Radical Biology and Medicine, 2005, 39, 1332-1341.	1.3	68
23	Enzymatic reactions involved in the repair of oxidized proteins. Experimental Gerontology, 2004, 39, 1117-1123.	1.2	81
24	The peptide methionine sulfoxide reductases, MsrA and MsrB (hCBS-1), are downregulated during replicative senescence of human WI-38 fibroblasts. FEBS Letters, 2004, 558, 74-78.	1.3	71
25	Redox Control of 20S Proteasome. Methods in Enzymology, 2002, 353, 253-262.	0.4	16
26	Impairment of proteasome structure and function in aging. International Journal of Biochemistry and Cell Biology, 2002, 34, 1461-1474.	1.2	271
27	Rat peptide methionine sulphoxide reductase: cloning of the cDNA, and down-regulation of gene expression and enzyme activity during aging. Biochemical Journal, 2001, 355, 819-825.	1.7	133
28	Proteasome Inhibition in Glyoxal-treated Fibroblasts and Resistance of Glycated Glucose-6-phosphate Dehydrogenase to 20 S Proteasome Degradation in Vitro. Journal of Biological Chemistry, 2001, 276, 45662-45668.	1.6	111
29	Increase of Oxidatively Modified Protein Is Associated With a Decrease of Proteasome Activity and Content in Aging Epidermal Cells. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2000, 55, B220-B227.	1.7	178
30	Protein Degradation by the Proteasome and Its Implications in Aging. Annals of the New York Academy of Sciences, 2000, 908, 143-154.	1.8	152
31	Protection from oxidative inactivation of the 20S proteasome byheat-shock protein 90. Biochemical Journal, 1998, 333, 407-415.	1.7	129
32	Interaction of DNA binding domain of HNF-3Î± with its transferrin enhancer DNA specific target site. FEBS Letters, 1995, 369, 277-282.	1.3	11
33	NOR-2 (neuron-derived orphan receptor), a brain zinc finger protein, is highly induced during liver regeneration. FEBS Letters, 1995, 372, 273-278.	1.3	19
34	Liver-enriched HNF-3Î± and ubiquitous factors interact with the human transferrin gene enhancer. FEBS Letters, 1993, 323, 4-10.	1.3	27
35	Transferrin gene as a model for liver-specific gene expression. Biology of the Cell, 1993, 77, 63-65.	0.7	4