

Isabelle Petropoulos

List of Publications by Year in descending order

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Version: 2024-02-01

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	Impairment of proteasome structure and function in aging. <i>International Journal of Biochemistry and Cell Biology</i> , 2002, 34, 1461-1474.	1.2	271
2	Protein damage, repair and proteolysis. <i>Molecular Aspects of Medicine</i> , 2014, 35, 1-71.	2.7	189
3	Increase of Oxidatively Modified Protein Is Associated With a Decrease of Proteasome Activity and Content in Aging Epidermal Cells. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2000, 55, B220-B227.	1.7	178
4	Protein Degradation by the Proteasome and Its Implications in Aging. <i>Annals of the New York Academy of Sciences</i> , 2000, 908, 143-154.	1.8	152
5	Rat peptide methionine sulphoxide reductase: cloning of the cDNA, and down-regulation of gene expression and enzyme activity during aging. <i>Biochemical Journal</i> , 2001, 355, 819-825.	1.7	133
6	Protection from oxidative inactivation of the 20S proteasome by heat-shock protein 90. <i>Biochemical Journal</i> , 1998, 333, 407-415.	1.7	129
7	Oxidized Mitochondrial Protein Degradation and Repair in Aging and Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 539-549.	2.5	115
8	Proteasome Inhibition in Glyoxal-treated Fibroblasts and Resistance of Glycated Glucose-6-phosphate Dehydrogenase to 20 S Proteasome Degradation in Vitro. <i>Journal of Biological Chemistry</i> , 2001, 276, 45662-45668.	1.6	111
9	Methionine Sulfoxide Reductases: Relevance to Aging and Protection against Oxidative Stress. <i>Annals of the New York Academy of Sciences</i> , 2006, 1067, 37-44.	1.8	106
10	Overexpression of Mitochondrial Methionine Sulfoxide Reductase B2 Protects Leukemia Cells from Oxidative Stress-induced Cell Death and Protein Damage. <i>Journal of Biological Chemistry</i> , 2008, 283, 16673-16681.	1.6	83
11	Enzymatic reactions involved in the repair of oxidized proteins. <i>Experimental Gerontology</i> , 2004, 39, 1117-1123.	1.2	81
12	The peptide methionine sulfoxide reductases, MsrA and MsrB (hCBS-1), are downregulated during replicative senescence of human WI-38 fibroblasts. <i>FEBS Letters</i> , 2004, 558, 74-78.	1.3	71
13	Overexpression of MsrA protects WI-38 SV40 human fibroblasts against HO-mediated oxidative stress. <i>Free Radical Biology and Medicine</i> , 2005, 39, 1332-1341.	1.3	68
14	Maintenance of proteins and aging: The role of oxidized protein repair. <i>Free Radical Research</i> , 2006, 40, 1269-1276.	1.5	67
15	Mitochondrial protein quality control: Implications in ageing. <i>Biotechnology Journal</i> , 2008, 3, 757-764.	1.8	66
16	Protein maintenance in aging and replicative senescence: a role for the peptide methionine sulfoxide reductases. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005, 1703, 261-266.	1.1	62
17	The Proteasome Is an Integral Part of Solar Ultraviolet A Radiation-induced Gene Expression. <i>Journal of Biological Chemistry</i> , 2009, 284, 30076-30086.	1.6	59
18	The Oxidized Protein Repair Enzymes Methionine Sulfoxide Reductases and Their Roles in Protecting against Oxidative Stress, in Ageing and in Regulating Protein Function. <i>Antioxidants</i> , 2018, 7, 191.	2.2	58

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19	Protein modification and maintenance systems as biomarkers of ageing. <i>Mechanisms of Ageing and Development</i> , 2015, 151, 71-84.	2.2	45
20	Alterations in mitochondrial and cytosolic methionine sulfoxide reductase activity during cardiac ischemia and reperfusion. <i>Experimental Gerontology</i> , 2006, 41, 663-667.	1.2	39
21	Overexpression of Methionine Sulfoxide Reductases A and B2 Protects MOLT-4 Cells Against Zinc-Induced Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 215-226.	2.5	35
22	Impairment of methionine sulfoxide reductase during UV irradiation and photoaging. <i>Experimental Gerontology</i> , 2007, 42, 859-863.	1.2	30
23	Liver-enriched HNF-3 β and ubiquitous factors interact with the human transferrin gene enhancer. <i>FEBS Letters</i> , 1993, 323, 4-10.	1.3	27
24	Reduced oxygen tension results in reduced human T cell proliferation and increased intracellular oxidative damage and susceptibility to apoptosis upon activation. <i>Free Radical Biology and Medicine</i> , 2010, 48, 26-34.	1.3	27
25	NOR-2 (neuron-derived orphan receptor), a brain zinc finger protein, is highly induced during liver regeneration. <i>FEBS Letters</i> , 1995, 372, 273-278.	1.3	19
26	Zinc supplementation in the elderly subjects: Effect on oxidized protein degradation and repair systems in peripheral blood lymphocytes. <i>Experimental Gerontology</i> , 2008, 43, 483-487.	1.2	19
27	Circadian modulation of proteasome activity and accumulation of oxidized protein in human embryonic kidney HEK 293 cells and primary dermal fibroblasts. <i>Free Radical Biology and Medicine</i> , 2016, 94, 195-207.	1.3	19
28	Redox Control of 20S Proteasome. <i>Methods in Enzymology</i> , 2002, 353, 253-262.	0.4	16
29	Proteome alteration in oxidative stress-sensitive methionine sulfoxide reductase-silenced HEK293 cells. <i>Free Radical Biology and Medicine</i> , 2013, 65, 1023-1036.	1.3	12
30	Prevention of dicarbonyl-mediated advanced glycation by glyoxalases: implication in skin aging. <i>Biochemical Society Transactions</i> , 2014, 42, 518-522.	1.6	12
31	Interaction of DNA binding domain of HNF-3 β with its transferrin enhancer DNA specific target site. <i>FEBS Letters</i> , 1995, 369, 277-282.	1.3	11
32	The glyoxalase enzymes are differentially localized in epidermis and regulated during ageing and photoageing. <i>Experimental Dermatology</i> , 2016, 25, 492-494.	1.4	10
33	Ageing of the dopaminergic system and motor behavior in mice intoxicated with the parkinsonian toxin 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. <i>Journal of Neurochemistry</i> , 2012, 122, 1032-1046.	2.1	9
34	Glyoxal Induces Senescence in Human Keratinocytes through Oxidative Stress and Activation of the Protein Kinase B/FOXO3a/p27KIP1 Pathway. <i>Journal of Investigative Dermatology</i> , 2022, 142, 2068-2078.e7.	0.3	7
35	Transferrin gene as a model for liver-specific gene expression. <i>Biology of the Cell</i> , 1993, 77, 63-65.	0.7	4