# Bertrand Friguet

List of Publications by Year
in descending order

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| 157 | 12,089 | 22099 | 27345 |
|---|---|---|---|
| papers | citations | 59 h-index | 106 g-index |

| 159 | 159 | 159 | 12886 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Measurements of the true affinity constant in solution of antigen-antibody complexes by enzyme-linked immunosorbent assay. Journal of Immunological Methods, 1985, 77, 305-319. | 0.6 | 1,210 |
| 2 | NLRP3 inflammasome: From a danger signal sensor to a regulatory node of oxidative stress and inflammatory diseases. Redox Biology, 2015, 4, 296-307. | 3.9 | 566 |
| 3 | Protein stability and resistance to oxidative stress are determinants of longevity in the longest-living rodent, the naked mole-rat. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3059-3064. | 3.3 | 368 |
| 4 | Oxidative Modification and Inactivation of the Proteasome during Coronary Occlusion/Reperfusion. Journal of Biological Chemistry, 2001, 276, 30057-30063. | 1.6 | 328 |
| 5 | Autophagy Impairment in Muscle Induces Neuromuscular Junction Degeneration and Precocious Aging. Cell Reports, 2014, 8, 1509-1521. | 2.9 | 309 |
| 6 | Central Role of the Proteasome in Senescence and Survival of Human Fibroblasts. Journal of Biological Chemistry, 2003, 278, 28026-28037. | 1.6 | 288 |
| 7 | Impairment of proteasome structure and function in aging. International Journal of Biochemistry and Cell Biology, 2002, 34, 1461-1474. | 1.2 | 271 |
| 8 | Inhibition of the multicatalytic proteinase (proteasome) by 4-hydroxy-2-nonenal cross-linked protein. FEBS Letters, 1997, 405, 21-25. | 1.3 | 246 |
| 9 | Dysfunction of mitochondrial complex I and the proteasome: interactions between two biochemical deficits in a cellular model of Parkinson's disease. Journal of Neurochemistry, 2003, 86, 1297-1307. | 2.1 | 239 |
| 10 | A convenient enzyme-linked immunosorbent assay for testing whether monoclonal antibodies recognize the same antigenic site. Application to hybridomas specific for the Î²2-subunit of Escherichia coli tryptophan synthase. Journal of Immunological Methods, 1983, 60, 351-358. | 0.6 | 236 |
| 11 | Repeated exposure of human skin fibroblasts to UVB at subcytotoxic level triggers premature senescence through the TGF-Î²1 signaling pathway. Journal of Cell Science, 2005, 118, 743-758. | 1.2 | 222 |
| 12 | Age-Dependent Declines in Proteasome Activity in the Heart. Archives of Biochemistry and Biophysics, 2002, 397, 298-304. | 1.4 | 221 |
| 13 | Age-Related Decline of Rat Liver Multicatalytic Proteinase Activity and Protection from Oxidative Inactivation by Heat-Shock Protein 90. Archives of Biochemistry and Biophysics, 1996, 331, 232-240. | 1.4 | 214 |
| 14 | Some monoclonal antibodies raised with a native protein bind preferentially to the denatured antigen. Molecular Immunology, 1984, 21, 673-677. | 1.0 | 212 |
| 15 | Oxidized protein degradation and repair in ageing and oxidative stress. FEBS Letters, 2006, 580, 2910-2916. | 1.3 | 190 |
| 16 | Protein damage, repair and proteolysis. Molecular Aspects of Medicine, 2014, 35, 1-71. | 2.7 | 189 |
| 17 | MARK-AGE biomarkers of ageing. Mechanisms of Ageing and Development, 2015, 151, 2-12. | 2.2 | 189 |
| 18 | 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 |

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| 19 | Cystathionine Î² Synthase Deficiency Promotes Oxidative Stress, Fibrosis, and Steatosis in Mice Liver. Gastroenterology, 2005, 128, 1405-1415. | 0.6 | 163 |
| 20 | 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 |
| 21 | Anti-Inflammatory and Antiatherogenic Effects of the NLRP3 Inflammasome Inhibitor Arglabin in ApoE ‹sub›2‹/sub› .Ki Mice Fed a High-Fat Diet. Circulation, 2015, 131, 1061-1070. | 1.6 | 141 |
| 22 | Antiviral Activity of the Proteasome on Incoming Human Immunodeficiency Virus Type 1. Journal of Virology, 1998, 72, 3845-3850. | 1.5 | 140 |
| 23 | Mitochondrial protein oxidation and degradation in response to oxidative stress and aging. Experimental Gerontology, 2006, 41, 653-657. | 1.2 | 136 |
| 24 | Chemical Characterization of a Protein-4-hydroxy-2-nonenal Cross-Link: Immunochemical Detection in Mitochondria Exposed to Oxidative Stress. Archives of Biochemistry and Biophysics, 1996, 328, 158-164. | 1.4 | 133 |
| 25 | The secondary fungal metabolite gliotoxin targets proteolytic activities of the proteasome. Chemistry and Biology, 1999, 6, 689-698. | 6.2 | 133 |
| 26 | 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 |
| 27 | Protection from oxidative inactivation of the 20S proteasome byheat-shock protein 90. Biochemical Journal, 1998, 333, 407-415. | 1.7 | 129 |
| 28 | Impact of ageing on proteasome structure and function in human lymphocytes. International Journal of Biochemistry and Cell Biology, 2003, 35, 728-739. | 1.2 | 124 |
| 29 | Inactivation of the proteasome by 4-hydroxy-2-nonenal is site specific and dependant on 20S proteasome subtypes. Archives of Biochemistry and Biophysics, 2006, 453, 135-142. | 1.4 | 120 |
| 30 | Oxidized Mitochondrial Protein Degradation and Repair in Aging and Oxidative Stress. Antioxidants and Redox Signaling, 2010, 13, 539-549. | 2.5 | 115 |
| 31 | Proteolysis, free radicals, and aging1,2 1Guest Editor: Earl Stadtman 2This article is part of a series of reviews on â€œOxidatively Modified Proteins in Aging and Disease.â€•The full list of papers may be found on the homepage of the journal.. Free Radical Biology and Medicine, 2002, 33, 29-36. | 1.3 | 114 |
| 32 | Changes in rat liver mitochondria with aging. FEBS Journal, 2003, 270, 2295-2302. | 0.2 | 113 |
| 33 | Protein modification and replicative senescence of WIâ€38 human embryonic fibroblasts. Aging Cell, 2010, 9, 252-272. | 3.0 | 113 |
| 34 | 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 |
| 35 | Proteasome Function in Aging and Oxidative Stress: Implications in Protein Maintenance Failure. Antioxidants and Redox Signaling, 2006, 8, 205-216. | 2.5 | 110 |
| 36 | An early immunoreactive folding intermediate of the tryptophan synthase Î²2 subunit is a â€˜molten globuleâ€™. FEBS Letters, 1990, 263, 51-56. | 1.3 | 108 |

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| 37 | Proteasome inactivation upon aging and on oxidation-effect of HSP 90. , 1997, 24, 45-50. | | 107 |
| 38 | Subcellular localization of methionine sulphoxide reductase A (MsrA): evidence for mitochondrial and cytosolic isoforms in rat liver cells. Biochemical Journal, 2003, 373, 531-537. | 1.7 | 106 |
| 39 | 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 |
| 40 | Proteomic quantification and identification of carbonylated proteins upon oxidative stress and during cellular aging. Journal of Proteomics, 2013, 92, 63-70. | 1.2 | 102 |
| 41 | Potentiation of Tumor Necrosis Factor-Induced NF-Î°B Activation by Deacetylase Inhibitors Is Associated with a Delayed Cytoplasmic Reappearance of Iî°BÎ±. Molecular and Cellular Biology, 2003, 23, 6200-6209. | 1.1 | 89 |
| 42 | Age-dependent protein modifications and declining proteasome activity in the human lens. Archives of Biochemistry and Biophysics, 2004, 427, 197-203. | 1.4 | 88 |
| 43 | Identification of Novel Oxidized Protein Substrates and Physiological Partners of the Mitochondrial ATP-dependent Lon-like Protease Pim1. Journal of Biological Chemistry, 2010, 285, 11445-11457. | 1.6 | 88 |
| 44 | 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 |
| 45 | Enzymatic reactions involved in the repair of oxidized proteins. Experimental Gerontology, 2004, 39, 1117-1123. | 1.2 | 81 |
| 46 | Protein Oxidative Damage at the Crossroads of Cellular Senescence, Aging, and Age-Related Diseases. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-8. | 1.9 | 81 |
| 47 | Impairment of proteasome function upon UVA- and UVB-irradiation of human keratinocytes. Free Radical Biology and Medicine, 2002, 32, 1157-1170. | 1.3 | 78 |
| 48 | Age-related impairment of mitochondrial matrix aconitase and ATP-stimulated protease in rat liver and heart. FEBS Journal, 2004, 271, 4559-4564. | 0.2 | 73 |
| 49 | Structural and functional influence of enzyme-antibody interactions: effects of eight different monoclonal antibodies on the enzymatic activity of Escherichia coli tryptophan synthase. Biochemistry, 1984, 23, 97-104. | 1.2 | 71 |
| 50 | 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 |
| 51 | Frataxin deficiency causes upregulation of mitochondrial Lon and ClpP proteases and severe loss of mitochondrial Feâ€“S proteins. FEBS Journal, 2009, 276, 1036-1047. | 2.2 | 70 |
| 52 | 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 |
| 53 | Maintenance of proteins and aging: The role of oxidized protein repair. Free Radical Research, 2006, 40, 1269-1276. | 1.5 | 67 |
| 54 | Lack of consensus on an aging biology paradigm? A global survey reveals an agreement to disagree, and the need for an interdisciplinary framework. Mechanisms of Ageing and Development, 2020, 191, 111316. | 2.2 | 67 |

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| 55 | Mitochondrial protein quality control: Implications in ageing. Biotechnology Journal, 2008, 3, 757-764. | 1.8 | 66 |
| 56 | Folding on the ribosome of Escherichia coli tryptophan synthase Î² subunit nascent chains probed with a conformation-dependent monoclonal antibody. Journal of Molecular Biology, 1992, 228, 351-358. | 2.0 | 64 |
| 57 | Characterization and role of protozoan parasite proteasomes. Trends in Parasitology, 2003, 19, 55-59. | 1.5 | 64 |
| 58 | Proteomics of muscle chronological ageing in post-menopausal women. BMC Genomics, 2014, 15, 1165. | 1.2 | 64 |
| 59 | Oxidative proteome alterations during skeletal muscle ageing. Redox Biology, 2015, 5, 267-274. | 3.9 | 63 |
| 60 | 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 |
| 61 | Deletion of the mitochondrial Pim1/Lon protease in yeast results in accelerated aging and impairment of the proteasome. Free Radical Biology and Medicine, 2013, 56, 9-16. | 1.3 | 62 |
| 62 | 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 |
| 63 | Regulation of Selenoproteins and Methionine Sulfoxide Reductases A and B1 by Age, Calorie Restriction, and Dietary Selenium in Mice. Antioxidants and Redox Signaling, 2010, 12, 829-838. | 2.5 | 59 |
| 64 | The Oxygen Paradox, the French Paradox, and age-related diseases. GeroScience, 2017, 39, 499-550. | 2.1 | 59 |
| 65 | 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 |
| 66 | Changes of the Proteasomal System During the Aging Process. Progress in Molecular Biology and Translational Science, 2012, 109, 249-275. | 0.9 | 55 |
| 67 | Age-related increase of protein glycation in peripheral blood lymphocytes is restricted to preferential target proteins. Experimental Gerontology, 2002, 37, 1207-1215. | 1.2 | 54 |
| 68 | Muscle Creatine Kinase Deficiency Triggers Both Actin Depolymerization and Desmin Disorganization by Advanced Glycation End Products in Dilated Cardiomyopathy. Journal of Biological Chemistry, 2011, 286, 35007-35019. | 1.6 | 54 |
| 69 | Oxidative proteome modifications target specific cellular pathways during oxidative stress, cellular senescence and aging. Experimental Gerontology, 2013, 48, 620-625. | 1.2 | 53 |
| 70 | The role of Pitx2 and Pitx3 in muscle stem cells gives new insights into P38Î± MAP kinase and redox regulation of muscle regeneration. ELife, 2018, 7, . | 2.8 | 52 |
| 71 | Inhibition of nitric oxide synthase activity by early and advanced glycation end products in cultured rabbit proximal tubular epithelial cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2000, 1502, 481-494. | 1.8 | 51 |
| 72 | Algae Extract-Mediated Stimulation and Protection of Proteasome Activity Within Human Keratinocytes Exposed to UVA and UVB Irradiation. Antioxidants and Redox Signaling, 2006, 8, 136-143. | 2.5 | 51 |

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| 73 | Towards the control of intracellular protein turnover: Mitochondrial Lon protease inhibitors versus proteasome inhibitors. Biochimie, 2008, 90, 260-269. | 1.3 | 49 |
| 74 | Essential Role of Methionine Residues in Calmodulin Binding to Bordetella pertussis Adenylate Cyclase, as Probed by Selective Oxidation and Repair by the Peptide Methionine Sulfoxide Reductases. Journal of Biological Chemistry, 2004, 279, 30210-30218. | 1.6 | 48 |
| 75 | Mitochondrial proteases and protein quality control in ageing and longevity. Ageing Research Reviews, 2015, 23, 56-66. | 5.0 | 46 |
| 76 | Protein modification and maintenance systems as biomarkers of ageing. Mechanisms of Ageing and Development, 2015, 151, 71-84. | 2.2 | 45 |
| 77 | Catalase, a target of glycation damage in rat liver mitochondria with aging. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1527-1534. | 1.8 | 43 |
| 78 | Expression and modification proteomics during skeletal muscle ageing. Biogerontology, 2013, 14, 339-352. | 2.0 | 43 |
| 79 | Oxidative stress-induced proteome alterations target different cellular pathways in human myoblasts. Free Radical Biology and Medicine, 2011, 51, 1522-1532. | 1.3 | 40 |
| 80 | Conformational effects of ligand binding on the .beta.2 subunit of Escherichia coli tryptophan-synthase analyzed with monoclonal antibodies. Biochemistry, 1986, 25, 2502-2508. | 1.2 | 39 |
| 81 | Alterations in mitochondrial and cytosolic methionine sulfoxide reductase activity during cardiac ischemia and reperfusion. Experimental Gerontology, 2006, 41, 663-667. | 1.2 | 39 |
| 82 | Annonacin, a natural lipophilic mitochondrial complex I inhibitor, increases phosphorylation of tau in the brain of FTDP-17 transgenic mice. Experimental Neurology, 2014, 253, 113-125. | 2.0 | 39 |
| 83 | The Transcription Factor E4F1 Coordinates CHK1-Dependent Checkpoint and Mitochondrial Functions. Cell Reports, 2015, 11, 220-233. | 2.9 | 38 |
| 84 | Impaired energy metabolism of senescent muscle satellite cells is associated with oxidative modifications of glycolytic enzymes. Aging, 2016, 8, 3375-3389. | 1.4 | 38 |
| 85 | Proteasomes, Sir2, and Hxk2 Form an Interconnected Aging Network That Impinges on the AMPK/Snf1-Regulated Transcriptional Repressor Mig1. PLoS Genetics, 2015, 11, e1004968. | 1.5 | 37 |
| 86 | The ubiquitinâ€“proteasome system at the crossroads of stress-response and ageing pathways: A handle for skin care?. Ageing Research Reviews, 2006, 5, 60-90. | 5.0 | 36 |
| 87 | The carboxy-terminus of IºBÎ± determines susceptibility to degradation by the catalytic core of the proteasome. Oncogene, 1997, 15, 1841-1850. | 2.6 | 35 |
| 88 | Protein Repair and Degradation during Aging. Scientific World Journal, The, 2002, 2, 248-254. | 0.8 | 35 |
| 89 | Protein Oxidative Modifications and Replicative Senescence of WIâ€38 Human Embryonic Fibroblasts. Annals of the New York Academy of Sciences, 2007, 1119, 88-96. | 1.8 | 35 |
| 90 | 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 |

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| 91 | Conformational changes induced by domain assembly within the beta2 subunit of Escherichia coli tryptophan synthase analysed with monoclonal antibodies. FEBS Journal, 1986, 160, 593-597. | 0.2 | 34 |
| 92 | A structural model of 20S immunoproteasomes: effect of LMP2 codon 60 polymorphism on expression, activity, intracellular localisation and insight into the regulatory mechanisms. Biological Chemistry, 2006, 387, 417-429. | 1.2 | 32 |
| 93 | Impairment of methionine sulfoxide reductase during UV irradiation and photoaging. Experimental Gerontology, 2007, 42, 859-863. | 1.2 | 30 |
| 94 | Increased level of glycoxidation product NÎµ-(carboxymethyl)lysine in rat serum and urine proteins with aging: Link with glycoxidative damage accumulation in kidney. Archives of Biochemistry and Biophysics, 2003, 411, 215-222. | 1.4 | 29 |
| 95 | Glycation damage targets glutamate dehydrogenase in the rat liver mitochondrial matrix during aging. FEBS Journal, 2007, 274, 5949-5961. | 2.2 | 29 |
| 96 | Cellular senescence in human keratinocytes: unchanged proteolytic capacity and increased protein load. Experimental Gerontology, 2003, 38, 619-629. | 1.2 | 28 |
| 97 | Differential expression and glycative damage affect specific mitochondrial proteins with aging in rat liver. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 2057-2067. | 1.8 | 28 |
| 98 | 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 |
| 99 | Repeated exposures to UVB induce differentiation rather than senescence of human keratinocytes lacking p16INK-4A. Biogerontology, 2010, 11, 167-181. | 2.0 | 26 |
| 100 | Impairment of glyoxalase-1, an advanced glycation end-product detoxifying enzyme, induced by inflammation in age-related osteoarthritis. Arthritis Research and Therapy, 2019, 21, 18. | 1.6 | 26 |
| 101 | Advanced Glycation Endproducts Induce Photocrosslinking and Oxidation of Bovine Lens Proteins Through Typeâ€Ⅰ Mechanism. Photochemistry and Photobiology, 2009, 85, 185-194. | 1.3 | 25 |
| 102 | Proteome Modulation in H9c2 Cardiac Cells by microRNAs miR-378 and miR-378. Molecular and Cellular Proteomics, 2014, 13, 18-29. | 2.5 | 25 |
| 103 | Oxidized SOD1 alters proteasome activities in vitro and in the cortex of SOD1 overexpressing mice. FEBS Letters, 2005, 579, 3613-3618. | 1.3 | 24 |
| 104 | Effect of Lon protease knockdown on mitochondrial function in HeLa cells. Biochimie, 2014, 100, 38-47. | 1.3 | 24 |
| 105 | Proteasome and Photoaging: The Effects of UV Irradiation. Annals of the New York Academy of Sciences, 2007, 1100, 280-290. | 1.8 | 23 |
| 106 | Algae Extract Protection Effect on Oxidized Protein Level in HumanStratum Corneum. Annals of the New York Academy of Sciences, 2004, 1019, 219-222. | 1.8 | 21 |
| 107 | Impact of Hydrogen Peroxide on the Activity, Structure, and Conformational Stability of the Oxidized Protein Repair Enzyme Methionine Sulfoxide Reductase A. Journal of Molecular Biology, 2009, 393, 58-66. | 2.0 | 21 |
| 108 | Dietary fatty acids and oxidative stress in the heart mitochondria. Mitochondrion, 2011, 11, 97-103. | 1.6 | 21 |

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| 109 | Improvement of Dystrophic Muscle Fragility by Short-Term Voluntary Exercise through Activation of Calcineurin Pathway in mdx Mice. American Journal of Pathology, 2018, 188, 2662-2673. | 1.9 | 20 |
| 110 | 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 |
| 111 | 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 |
| 112 | Conformational Changes in the 20S Proteasome upon Macromolecular Ligand Binding Analyzed with Monoclonal Antibodies. Archives of Biochemistry and Biophysics, 1999, 362, 325-328. | 1.4 | 18 |
| 113 | Photosensitizing Activity of Endogenous Eye Lens Chromophores: An Attempt to Unravel Their Contributions to Photoâ€Aging and Cataract Disease. Photochemistry and Photobiology, 2015, 91, 767-779. | 1.3 | 18 |
| 114 | Peptide/antibody recognition: Synthetic peptides derived from the E. coli tryptophan synthase Î²2 subunit interact with high affinity with an anti-Î²2 monoclonal antibody. Molecular Immunology, 1991, 28, 523-531. | 1.0 | 17 |
| 115 | Evidence of Preferential Protein Targets for Age-Related Modifications in Peripheral Blood Lymphocytes. Annals of the New York Academy of Sciences, 2004, 1019, 211-214. | 1.8 | 17 |
| 116 | Redox Control of 20S Proteasome. Methods in Enzymology, 2002, 353, 253-262. | 0.4 | 16 |
| 117 | Under proper experimental conditions the solid-phase antigen does not disrupt the liquid phase equilibrium when measuring dissociation constants by competition ELISA. Journal of Immunological Methods, 1995, 182, 145-147. | 0.6 | 15 |
| 118 | Epitope localization in antigen-monoclonal-antibody complexes by small-angle X-ray scattering. An approach to domain organization in the beta2 subunit of Escherichia coli tryptophan synthase. FEBS Journal, 1987, 164, 103-109. | 0.2 | 14 |
| 119 | Proteome Oxidative Modifications and Impairment of Specific Metabolic Pathways During Cellular Senescence and Aging. Proteomics, 2020, 20, e1800421. | 1.3 | 14 |
| 120 | Effects of cellular senescence on metabolic pathways in non-immune and immune cells. Mechanisms of Ageing and Development, 2021, 194, 111428. | 2.2 | 14 |
| 121 | Proteome oxidative carbonylation during oxidative stress-induced premature senescence of WI-38 human fibroblasts. Mechanisms of Ageing and Development, 2018, 170, 59-71. | 2.2 | 13 |
| 122 | Proteome alteration in oxidative stress-sensitive methionine sulfoxide reductase-silenced HEK293 cells. Free Radical Biology and Medicine, 2013, 65, 1023-1036. | 1.3 | 12 |
| 123 | Prevention of dicarbonyl-mediated advanced glycation by glyoxalases: implication in skin aging. Biochemical Society Transactions, 2014, 42, 518-522. | 1.6 | 12 |
| 124 | Aging of Proteins and the Proteasome. Progress in Molecular and Subcellular Biology, 2002, 29, 17-33. | 0.9 | 12 |
| 125 | In vitro gene expression for the localization of antigenic determinants: application to the E. coli tryptophan synthase Î²2 subunit. Journal of Immunological Methods, 1993, 158, 243-249. | 0.6 | 11 |
| 126 | Simultaneous chemical and photochemical protein crosslinking induced by irradiation of eye lens proteins in the presence of ascorbate: the photosensitizing role of an UVAâ€“visible-absorbing decomposition product of vitamin C. Photochemical and Photobiological Sciences, 2010, 9, 1351-1358. | 1.6 | 11 |

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| 127 | AMPK Signaling Involvement for the Repression of the IL-1Î²-Induced Group IIA Secretory Phospholipase A2 Expression in VSMCs. PLoS ONE, 2015, 10, e0132498. | 1.1 | 11 |
| 128 | The glyoxalase enzymes are differentially localized in epidermis and regulated during ageing and photoageing. Experimental Dermatology, 2016, 25, 492-494. | 1.4 | 10 |
| 129 | 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 |
| 130 | Inflammation and anti-tumor resistance. V. Production of a cytostatic factor following cooperation of elicited polymorphonuclear leukocytes and macrophages. International Journal of Cancer, 1990, 46, 533-538. | 2.3 | 8 |
| 131 | Importance of Residues 2â€“9 in the Immunoreactivity, Subunit Interactions, and Activity of the Î²2 Subunit of Escherichia coli Tryptophan Synthase. Journal of Biological Chemistry, 1995, 270, 4255-4261. | 1.6 | 8 |
| 132 | Autosensitized oxidation of glycated bovine lens proteins irradiated with UVA-visible light at low oxygen concentration. Photochemical and Photobiological Sciences, 2008, 7, 718-724. | 1.6 | 7 |
| 133 | Photosensitized reactions mediated by the major chromophore arising from glucose decomposition, result in oxidation and cross-linking of lens proteins and activation of the proteasome. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 564-572. | 1.8 | 7 |
| 134 | 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 |
| 135 | Response to Letter Regarding Article, â€œAnti-inflammatory and Antiatherogenic Effects of the Inflammasome NLRP3 Inhibitor Arglabin in ApoE2.Ki Mice Fed a High-Fat Dietâ€• Circulation, 2015, 132, e250-1. | 1.6 | 5 |
| 136 | Mitochondrial Lon protease - depleted HeLa cells exhibit proteome modifications related to protein quality control, stress response and energy metabolism. Free Radical Biology and Medicine, 2020, 148, 83-95. | 1.3 | 5 |
| 137 | Renaturation of guanidine-unfolded tryptophan synthase by multi-mixing stopped-flow dilution in D2O. FEBS Letters, 1988, 241, 251-256. | 1.3 | 4 |
| 138 | Are Expanded Polyglutamine Proteins a Proteasome Substrate?. Rejuvenation Research, 2004, 7, 239-242. | 0.9 | 4 |
| 139 | Proteasome: a new target of UV radiations. European Journal of Dermatology, 2002, 12, XXVII-XXVIII. | 0.3 | 4 |
| 140 | Effects of the selective inhibition of proteasome caspase-like activity by CLi a derivative of nor-cerpegin in dystrophic mdx mice. PLoS ONE, 2019, 14, e0215821. | 1.1 | 3 |
| 141 | Circadian Rhythms and Proteostasis in Aging. Healthy Ageing and Longevity, 2017, , 163-191. | 0.2 | 3 |
| 142 | The Proteasome in Aging. , 2003, , 213-231. | | 3 |
| 143 | CD4+ T cell surface alpha enolase is lower in older adults. Mechanisms of Ageing and Development, 2015, 152, 56-62. | 2.2 | 2 |
| 144 | Oxidative Modifications in Crystallin Proteins and Lens Epithelial Cells Associated with Photosensitized Reactions Mediated by the Major Chromophore Arising from Glucose Degradation. Journal of the Brazilian Chemical Society, 2015, , . | 0.6 | 2 |

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| 145 | Proteasome Activity and Immunosenescence. , 2009, , 729-749. | | 2 |
| 146 | UV and proteasomes. European Journal of Dermatology, 2002, 12, XVII-XVIII. | 0.3 | 2 |
| 147 | Incomplete Polypeptides of In Vitro Translation for Epitope Localization. , 1996, 66, 355-362. | | 1 |
| 148 | Affinity. , 1998, , 43-47. | | 1 |
| 149 | Inflammatory/immune responses in ageing: Relevant factors and putative targets for intervention. Mechanisms of Ageing and Development, 2006, 127, 515-516. | 2.2 | 0 |
| 150 | Endogenous C-terminal fragments of beta-amyloid precursor protein from Xenopus laevis skin exudate. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2007, 146, 530-539. | 0.7 | 0 |
| 151 | Viewpoint 4. Experimental Dermatology, 2008, 17, 233-235. | 1.4 | 0 |
| 152 | Photosensitized Oxidation of Lens Proteins Exposed to UVA-Visible Light at Low Oxygen Concentration: Its Effect on the Proteasome System. Oxidative Stress in Applied Basic Research and Clinical Practice, 2015, , 239-274. | 0.4 | 0 |
| 153 | Clearance of Genetic Variants of Amyloid Î² Peptide by Neuronal and Non-neuronal Cells. Protein and Peptide Letters, 2013, 20, 550-561. | 0.4 | 0 |
| 154 | Immunosenescence, Oxidative Stress, and Cancers. , 2015, , 377-393. | | 0 |
| 155 | Oxidatively Modified Proteins and Maintenance Systems as Biomarkers of Aging. Healthy Ageing and Longevity, 2019, , 101-120. | 0.2 | 0 |
| 156 | Immunosenescence, Oxidative Stress, and Cancers. , 2020, , 513-531. | | 0 |
| 157 | Proteostasis and Skin Aging. , 2021, , 181-196. | | 0 |