Patrizia Polverino de Laureto

List of Publications by Year
in descending order

72	5,843	117571	85498
papers	citations	34 h-index	71 g-index

74	74	74	7107
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tetanus and botulinum-B neurotoxins block neurotransmitter release by proteolytic cleavage of synaptobrevin. Nature, 1992, 359, 832-835.	13.7	1,750
2	Probing protein structure by limited proteolysis.. Acta Biochimica Polonica, 2019, 51, 299-321.	0.3	383
3	Global analysis of protein structural changes in complex proteomes. Nature Biotechnology, 2014, 32, 1036-1044.	9.4	288
4	Probing the partly folded states of proteins by limited proteolysis. Folding & Design, 1997, 2, R17-R26.	4.5	279
5	A Highly Amyloidogenic Region of Hen Lysozyme. Journal of Molecular Biology, 2004, 340, 1153-1165.	2.0	248
6	Probing the conformational state of apomyoglobin by limited proteolysis 1 1Edited by P. E. Wright. Journal of Molecular Biology, 1997, 266, 223-230.	2.0	185
7	Oxidation of Myofibrillar Proteins in Human Heart Failure. Journal of the American College of Cardiology, 2011, 57, 300-309.	1.2	141
8	Identification of the Core Structure of Lysozyme Amyloid Fibrils by Proteolysis. Journal of Molecular Biology, 2006, 361, 551-561.	2.0	133
9	The Interaction between Cold and Light Controls the Expression of the Cold-Regulated Barley Gene cor14b and the Accumulation of the Corresponding Protein1. Plant Physiology, 1999, 119, 671-680.	2.3	113
10	The structural basis for the regulation of tissue transglutaminase by calcium ions. FEBS Journal, 1999, 262, 672-679.	0.2	103
11	Protein Aggregation and Amyloid Fibril Formation by an SH3 Domain Probed by Limited Proteolysis. Journal of Molecular Biology, 2003, 334, 129-141.	2.0	102
12	Structural and Morphological Characterization of Aggregated Species of Î±-Synuclein Induced by Docosahexaenoic Acid. Journal of Biological Chemistry, 2011, 286, 22262-22274.	1.6	101
13	The Non-Core Regions of Human Lysozyme Amyloid Fibrils Influence Cytotoxicity. Journal of Molecular Biology, 2010, 402, 783-796.	2.0	95
14	Differential ethylene-inducible expression of cellulase in pepper plants. Plant Molecular Biology, 1995, 29, 735-747.	2.0	92
15	Partly folded states of members of the lysozyme/lactalbumin superfamily: A comparative study by circular dichroism spectroscopy and limited proteolysis. Protein Science, 2009, 11, 2932-2946.	3.1	89
16	C1q-Mediated Complement Activation and C3 Opsonization Trigger Recognition of Stealth Poly(2-methyl-2-oxazoline)-Coated Silica Nanoparticles by Human Phagocytes. ACS Nano, 2018, 12, 5834-5847.	7.3	86
17	Characterization of Oligomeric Species on the Aggregation Pathway of Human Lysozyme. Journal of Molecular Biology, 2009, 387, 17-27.	2.0	84
18	Dopamine quinones interact with Î±-synuclein to form unstructured adducts. Biochemical and Biophysical Research Communications, 2010, 394, 424-428.	1.0	83

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19	Molten globule of bovine ?-lactalbumin at neutral pH induced by heat, trifluoroethanol, and oleic acid: A comparative analysis by circular dichroism spectroscopy and limited proteolysis. Proteins: Structure, Function and Bioinformatics, 2002, 49, 385-397.	1.5	71
20	The oleic acid complexes of proteolytic fragments of Î±â€lactalbumin display apoptotic activity. FEBS Journal, 2010, 277, 163-173.	2.2	63
21	Amyloid Fibril Formation and Disaggregation of Fragment 1-29 of Apomyoglobin: Insights into the Effect of pH on Protein Fibrillogenesis. Journal of Molecular Biology, 2007, 367, 1237-1245.	2.0	62
22	Protein Expression Changes in Maize Roots in Response to Humic Substances. Journal of Chemical Ecology, 2008, 34, 804-818.	0.9	59
23	Molecular Insights into the Interaction between Î±-Synuclein and Docosahexaenoic Acid. Journal of Molecular Biology, 2009, 394, 94-107.	2.0	59
24	The Distribution of Residues in a Polypeptide Sequence Is a Determinant of Aggregation Optimized by Evolution. Biophysical Journal, 2007, 93, 4382-4391.	0.2	55
25	Oleuropein aglycone stabilizes the monomeric Î±-synuclein and favours the growth of non-toxic aggregates. Scientific Reports, 2018, 8, 8337.	1.6	54
26	Conformational Properties of the SDS-Bound State of Î±-Synuclein Probed by Limited Proteolysis:Â Unexpected Rigidity of the Acidic C-Terminal Tailâ€. Biochemistry, 2006, 45, 11523-11531.	1.2	53
27	Limited proteolysis of bovine Î±â€lactalbumin: Isolation and characterization of protein domains. Protein Science, 1999, 8, 2290-2303.	3.1	50
28	Enhanced Protein Thermostability by Ala â†' Aib Replacementâ€. Biochemistry, 1998, 37, 1686-1696.	1.2	49
29	The functional dissection of the plasma corona of SiO₂-NPs spots histidine rich glycoprotein as a major player able to hamper nanoparticle capture by macrophages. Nanoscale, 2015, 7, 17710-17728.	2.8	49
30	Î±-Synuclein and Polyunsaturated Fatty Acids: Molecular Basis of the Interaction and Implication in Neurodegeneration. Molecules, 2018, 23, 1531.	1.7	48
31	Î±-Synuclein Oligomers Induced by Docosahexaenoic Acid Affect Membrane Integrity. PLoS ONE, 2013, 8, e82732.	1.1	47
32	Conformational properties of the aggregation precursor state of HypF-N. Journal of Molecular Biology, 2008, 379, 554-567.	2.0	45
33	Proteomic Analysis of MeJa-Induced Defense Responses in Rice against Wounding. International Journal of Molecular Sciences, 2019, 20, 2525.	1.8	42
34	Limited proteolysis of cytochromecin trifluoroethanol. FEBS Letters, 1995, 362, 266-270.	1.3	35
35	Covalent Î±-Synuclein Dimers: Chemico-Physical and Aggregation Properties. PLoS ONE, 2012, 7, e50027.	1.1	35
36	Light-induced degradation of D2 protein in isolated photosystem II reaction center complex. FEBS Letters, 1992, 311, 33-36.	1.3	34

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37	Acid-Induced Molten Globule State of a Fully Active Mutant of Human Interleukin-6. Biochemistry, 1996, 35, 11503-11511.	1.2	33
38	Characterization of Cholylglycine Hydrolase from a Bile-Adapted Strain of Xanthomonas maltophilia and Its Application for Quantitative Hydrolysis of Conjugated Bile Salts. Applied and Environmental Microbiology, 2002, 68, 3126-3128.	1.4	33
39	Protein dissection enhances the amyloidogenic properties of Î±-lactalbumin. FEBS Journal, 2005, 272, 2176-2188.	2.2	33
40	Î±-Synuclein structural features inhibit harmful polyunsaturated fatty acid oxidation, suggesting roles in neuroprotection. Journal of Biological Chemistry, 2017, 292, 6927-6937.	1.6	31
41	Limited proteolysis of ribonuclease A with thermolysin in trifluoroethanol. Protein Science, 1997, 6, 860-872.	3.1	28
42	Comparison of protein fragments identified by limited proteolysis and by computational cutting of proteins. Protein Science, 2009, 11, 1753-1770.	3.1	27
43	Pigment-Protein Complexes from the Photosynthetic Membrane of the Cyanobacterium Synechocystis sp. PCC 6803. FEBS Journal, 1995, 234, 459-465.	0.2	26
44	Limited Proteolysis of Lysozyme in Trifluoroethanol. Isolation and Characterization of a Partially Active Enzyme Derivative. FEBS Journal, 1995, 230, 779-787.	0.2	25
45	Probing the structure of human growth hormone by limited proteolysis. International Journal of Peptide and Protein Research, 1995, 45, 200-208.	0.1	25
46	Insight into the molecular mechanism underlying the inhibition of Î±-synuclein aggregation by hydroxytyrosol. Biochemical Pharmacology, 2020, 173, 113722.	2.0	25
47	Structure, Stability and Biological Properties of a N-terminally Truncated form of Recombinant Human Interleukin-6 Containing a Single Disulfide Bond. FEBS Journal, 1995, 227, 573-581.	0.2	24
48	Cytochromeb6/fcomplex from the cyanobacteriumSynechocystis6803: evidence of dimeric organization and identification of chlorophyll-binding subunit. FEBS Letters, 1997, 414, 585-589.	1.3	24
49	Structural analysis of trimeric phospholipase A₂ neurotoxin from the Australian taipan snake venom. FEBS Journal, 2012, 279, 3121-3135.	2.2	23
50	The Soluble Recombinant Neisseria meningitidis Adhesin NadAÎ”351â€“405 Stimulates Human Monocytes by Binding to Extracellular Hsp90. PLoS ONE, 2011, 6, e25089.	1.1	21
51	Stepwise proteolytic removal of the Î² subdomain in Î±-lactalbumin. FEBS Journal, 2001, 268, 4324-4333.	0.2	20
52	Zymogen Activation and Subcellular Activity of Subtilisin Kexin Isozyme 1/Site 1 Protease. Journal of Biological Chemistry, 2014, 289, 35743-35756.	1.6	18
53	Chemical synthesis and structural characterization of the RGDâ€protein decorsin: A potent inhibitor of platelet aggregation. Protein Science, 1998, 7, 433-444.	3.1	16
54	Rigidity of Thermophilic Enzymes. Progress in Biotechnology, 1998, 15, 277-294.	0.2	16

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55	Changes in Protein Expression in Two Cholangiocarcinoma Cell Lines Undergoing Formation of Multicellular Tumor Spheroids In Vitro. PLoS ONE, 2015, 10, e0118906.	1.1	16
56	Development of an LC-MS Method for the Identification of Î²-Casein Genetic Variants in Bovine Milk. Food Analytical Methods, 2020, 13, 2177-2187.	1.3	14
57	Chemical synthesis of the RGD-protein decorsin: Proâ†'Ala replacement reduces protein thermostability. Protein Engineering, Design and Selection, 2005, 18, 487-495.	1.0	11
58	The role of tryptophan in protein fibrillogenesis: relevance of Trp7 and Trp14 to the amyloidogenic properties of myoglobin. Protein Engineering, Design and Selection, 2012, 25, 199-203.	1.0	11
59	Compound heterozygosis in AADC deficiency: A complex phenotype dissected through comparison among heterodimeric and homodimeric AADC proteins. Molecular Genetics and Metabolism, 2021, 134, 147-155.	0.5	10
60	Comparative proteomic analysis of ductal breast carcinoma demonstrates an altered expression of chaperonins and cytoskeletal proteins. Molecular Medicine Reports, 2013, 7, 1700-1704.	1.1	9
61	Differential Effects of Heparin and Glucose on Structural Conformation of Human Î±1Antitrypsin: Evidence for a Heparin-Induced Cleaved Form of the Inhibitor. Archives of Biochemistry and Biophysics, 1997, 347, 19-29.	1.4	8
62	Production in Escherichia coli, folding, purification and characterization of notexin with wild type sequence and with N-terminal and catalytic site mutations. Toxicon, 2014, 88, 11-20.	0.8	8
63	Structural Features and Toxicity of Î±-Synuclein Oligomers Grown in the Presence of DOPAC. International Journal of Molecular Sciences, 2021, 22, 6008.	1.8	8
64	Multiple light-harvesting II polypeptides from maize mesophyll chloroplasts are distinct gene products. Journal of Photochemistry and Photobiology B: Biology, 1999, 49, 50-60.	1.7	7
65	Unique Features of a New Baeyerâ€“Villiger Monooxygenase from a Halophilic Archaeon. Catalysts, 2020, 10, 128.	1.6	5
66	3,4â€Dihydroxyphenylethanol and 3,4â€dihydroxyphenylacetic acid affect the aggregation process of <scp>E46K</scp> variant of Î±â€synuclein at different extent: Insights into the interplay between protein dynamics and catechol effect. Protein Science, 2022, 31, .	3.1	5
67	Identification and Characterization of an 18-Kilodalton, VAMP-Like Protein in Suspension-Cultured Carrot Cells. Plant Physiology, 2000, 122, 25-34.	2.3	2
68	Câ€terminal tails mimicking bioactive intermediates cause different plasma degradation patterns and kinetics in neuropeptides Î³â€MSH, Î±â€MSH, and neurotensin. Journal of Peptide Science, 2020, 26, e3279.	0.8	2
69	Role of Different Regions of Î±-synuclein in the Interaction with the Brain Fatty Acid DHA. Journal of Chromatography & Separation Techniques, 2014, 05, .	0.2	2
70	Limited Proteolysis of Proteins by Thermolysin in Trifluoroethanol. Progress in Biotechnology, 1998, 15, 381-392.	0.2	1
71	Stability data of FlgD from Helicobacter pylori and structural comparison with other homologs. Data in Brief, 2016, 7, 493-501.	0.5	1
72	Polyphenols as Potential Therapeutic Drugs in Neurodegeneration. , 0, , .		1