

# Patrizia Polverino de Laureto

## List of Publications by Year in descending order

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72  
papers

5,843  
citations

117571

34  
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85498

71  
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74  
all docs

74  
docs citations

74  
times ranked

7107  
citing authors

#	ARTICLE	IF	CITATIONS
1	3,4-Dihydroxyphenylethanol and 3,4-dihydroxyphenylacetic acid affect the aggregation process of $\alpha$ -synuclein variant of E46K at different extent: Insights into the interplay between protein dynamics and catechol effect. <i>Protein Science</i> , 2022, 31, .	3.1	5
2	Structural Features and Toxicity of $\alpha$ -Synuclein Oligomers Grown in the Presence of DOPAC. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6008.	1.8	8
3	Compound heterozygosis in AADC deficiency: A complex phenotype dissected through comparison among heterodimeric and homodimeric AADC proteins. <i>Molecular Genetics and Metabolism</i> , 2021, 134, 147-155.	0.5	10
4	Insight into the molecular mechanism underlying the inhibition of $\alpha$ -synuclein aggregation by hydroxytyrosol. <i>Biochemical Pharmacology</i> , 2020, 173, 113722.	2.0	25
5	Development of an LC-MS Method for the Identification of $\beta$ -Casein Genetic Variants in Bovine Milk. <i>Food Analytical Methods</i> , 2020, 13, 2177-2187.	1.3	14
6	C-terminal tails mimicking bioactive intermediates cause different plasma degradation patterns and kinetics in neuropeptides $\beta$ -MSH, $\alpha$ -MSH, and neurotensin. <i>Journal of Peptide Science</i> , 2020, 26, e3279.	0.8	2
7	Unique Features of a New Baeyer-Villiger Monooxygenase from a Halophilic Archaeon. <i>Catalysts</i> , 2020, 10, 128.	1.6	5
8	Proteomic Analysis of MeJa-Induced Defense Responses in Rice against Wounding. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2525.	1.8	42
9	Probing protein structure by limited proteolysis.. <i>Acta Biochimica Polonica</i> , 2019, 51, 299-321.	0.3	383
10	Oleuropein aglycone stabilizes the monomeric $\alpha$ -synuclein and favours the growth of non-toxic aggregates. <i>Scientific Reports</i> , 2018, 8, 8337.	1.6	54
11	$\alpha$ -Synuclein and Polyunsaturated Fatty Acids: Molecular Basis of the Interaction and Implication in Neurodegeneration. <i>Molecules</i> , 2018, 23, 1531.	1.7	48
12	C1q-Mediated Complement Activation and C3 Opsonization Trigger Recognition of Stealth Poly(2-methyl-2-oxazoline)-Coated Silica Nanoparticles by Human Phagocytes. <i>ACS Nano</i> , 2018, 12, 5834-5847.	7.3	86
13	$\alpha$ -Synuclein structural features inhibit harmful polyunsaturated fatty acid oxidation, suggesting roles in neuroprotection. <i>Journal of Biological Chemistry</i> , 2017, 292, 6927-6937.	1.6	31
14	Stability data of FlgD from <i>Helicobacter pylori</i> and structural comparison with other homologs. <i>Data in Brief</i> , 2016, 7, 493-501.	0.5	1
15	Changes in Protein Expression in Two Cholangiocarcinoma Cell Lines Undergoing Formation of Multicellular Tumor Spheroids In Vitro. <i>PLoS ONE</i> , 2015, 10, e0118906.	1.1	16
16	The functional dissection of the plasma corona of SiO <sub>2</sub> -NPs spots histidine rich glycoprotein as a major player able to hamper nanoparticle capture by macrophages. <i>Nanoscale</i> , 2015, 7, 17710-17728.	2.8	49
17	Zymogen Activation and Subcellular Activity of Subtilisin Kexin Isozyme 1/Site 1 Protease. <i>Journal of Biological Chemistry</i> , 2014, 289, 35743-35756.	1.6	18
18	Global analysis of protein structural changes in complex proteomes. <i>Nature Biotechnology</i> , 2014, 32, 1036-1044.	9.4	288

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19	Production in Escherichia coli, folding, purification and characterization of notexin with wild type sequence and with N-terminal and catalytic site mutations. <i>Toxicon</i> , 2014, 88, 11-20.	0.8	8
20	Role of Different Regions of $\alpha$ -synuclein in the Interaction with the Brain Fatty Acid DHA. <i>Journal of Chromatography &amp; Separation Techniques</i> , 2014, 05, .	0.2	2
21	Comparative proteomic analysis of ductal breast carcinoma demonstrates an altered expression of chaperonins and cytoskeletal proteins. <i>Molecular Medicine Reports</i> , 2013, 7, 1700-1704.	1.1	9
22	$\alpha$ -Synuclein Oligomers Induced by Docosahexaenoic Acid Affect Membrane Integrity. <i>PLoS ONE</i> , 2013, 8, e82732.	1.1	47
23	The role of tryptophan in protein fibrillogenesis: relevance of Trp7 and Trp14 to the amyloidogenic properties of myoglobin. <i>Protein Engineering, Design and Selection</i> , 2012, 25, 199-203.	1.0	11
24	Covalent $\alpha$ -Synuclein Dimers: Chemico-Physical and Aggregation Properties. <i>PLoS ONE</i> , 2012, 7, e50027.	1.1	35
25	Structural analysis of trimeric phospholipase A <sub>2</sub> neurotoxin from the Australian taipan snake venom. <i>FEBS Journal</i> , 2012, 279, 3121-3135.	2.2	23
26	Oxidation of Myofibrillar Proteins in Human Heart Failure. <i>Journal of the American College of Cardiology</i> , 2011, 57, 300-309.	1.2	141
27	The Soluble Recombinant Neisseria meningitidis Adhesin NadA <sup>351-405</sup> Stimulates Human Monocytes by Binding to Extracellular Hsp90. <i>PLoS ONE</i> , 2011, 6, e25089.	1.1	21
28	Structural and Morphological Characterization of Aggregated Species of $\alpha$ -Synuclein Induced by Docosahexaenoic Acid. <i>Journal of Biological Chemistry</i> , 2011, 286, 22262-22274.	1.6	101
29	The oleic acid complexes of proteolytic fragments of $\alpha$ -lactalbumin display apoptotic activity. <i>FEBS Journal</i> , 2010, 277, 163-173.	2.2	63
30	The Non-Core Regions of Human Lysozyme Amyloid Fibrils Influence Cytotoxicity. <i>Journal of Molecular Biology</i> , 2010, 402, 783-796.	2.0	95
31	Dopamine quinones interact with $\alpha$ -synuclein to form unstructured adducts. <i>Biochemical and Biophysical Research Communications</i> , 2010, 394, 424-428.	1.0	83
32	Comparison of protein fragments identified by limited proteolysis and by computational cutting of proteins. <i>Protein Science</i> , 2009, 11, 1753-1770.	3.1	27
33	Characterization of Oligomeric Species on the Aggregation Pathway of Human Lysozyme. <i>Journal of Molecular Biology</i> , 2009, 387, 17-27.	2.0	84
34	Molecular Insights into the Interaction between $\alpha$ -Synuclein and Docosahexaenoic Acid. <i>Journal of Molecular Biology</i> , 2009, 394, 94-107.	2.0	59
35	Partly folded states of members of the lysozyme/lactalbumin superfamily: A comparative study by circular dichroism spectroscopy and limited proteolysis. <i>Protein Science</i> , 2009, 11, 2932-2946.	3.1	89
36	Protein Expression Changes in Maize Roots in Response to Humic Substances. <i>Journal of Chemical Ecology</i> , 2008, 34, 804-818.	0.9	59

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37	Conformational properties of the aggregation precursor state of HypF-N. <i>Journal of Molecular Biology</i> , 2008, 379, 554-567.	2.0	45
38	Amyloid Fibril Formation and Disaggregation of Fragment 1-29 of Apomyoglobin: Insights into the Effect of pH on Protein Fibrillogenesis. <i>Journal of Molecular Biology</i> , 2007, 367, 1237-1245.	2.0	62
39	The Distribution of Residues in a Polypeptide Sequence Is a Determinant of Aggregation Optimized by Evolution. <i>Biophysical Journal</i> , 2007, 93, 4382-4391.	0.2	55
40	Conformational Properties of the SDS-Bound State of $\beta$ -Synuclein Probed by Limited Proteolysis: An Unexpected Rigidity of the Acidic C-Terminal Tail. <i>Biochemistry</i> , 2006, 45, 11523-11531.	1.2	53
41	Identification of the Core Structure of Lysozyme Amyloid Fibrils by Proteolysis. <i>Journal of Molecular Biology</i> , 2006, 361, 551-561.	2.0	133
42	Protein dissection enhances the amyloidogenic properties of $\beta$ -lactalbumin. <i>FEBS Journal</i> , 2005, 272, 2176-2188.	2.2	33
43	Chemical synthesis of the RGD-protein decorsin: Pro $\beta$ Ala replacement reduces protein thermostability. <i>Protein Engineering, Design and Selection</i> , 2005, 18, 487-495.	1.0	11
44	A Highly Amyloidogenic Region of Hen Lysozyme. <i>Journal of Molecular Biology</i> , 2004, 340, 1153-1165.	2.0	248
45	Protein Aggregation and Amyloid Fibril Formation by an SH3 Domain Probed by Limited Proteolysis. <i>Journal of Molecular Biology</i> , 2003, 334, 129-141.	2.0	102
46	Characterization of Cholyglycine Hydrolase from a Bile-Adapted Strain of <i>Xanthomonas maltophilia</i> and Its Application for Quantitative Hydrolysis of Conjugated Bile Salts. <i>Applied and Environmental Microbiology</i> , 2002, 68, 3126-3128.	1.4	33
47	Molten globule of bovine $\beta$ -lactalbumin at neutral pH induced by heat, trifluoroethanol, and oleic acid: A comparative analysis by circular dichroism spectroscopy and limited proteolysis. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002, 49, 385-397.	1.5	71
48	Stepwise proteolytic removal of the $\beta$ subdomain in $\beta$ -lactalbumin. <i>FEBS Journal</i> , 2001, 268, 4324-4333.	0.2	20
49	Identification and Characterization of an 18-Kilodalton, VAMP-Like Protein in Suspension-Cultured Carrot Cells. <i>Plant Physiology</i> , 2000, 122, 25-34.	2.3	2
50	Multiple light-harvesting II polypeptides from maize mesophyll chloroplasts are distinct gene products. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1999, 49, 50-60.	1.7	7
51	The structural basis for the regulation of tissue transglutaminase by calcium ions. <i>FEBS Journal</i> , 1999, 262, 672-679.	0.2	103
52	The Interaction between Cold and Light Controls the Expression of the Cold-Regulated Barley Gene <i>cor14b</i> and the Accumulation of the Corresponding Protein1. <i>Plant Physiology</i> , 1999, 119, 671-680.	2.3	113
53	Limited proteolysis of bovine $\beta$ -lactalbumin: Isolation and characterization of protein domains. <i>Protein Science</i> , 1999, 8, 2290-2303.	3.1	50
54	Chemical synthesis and structural characterization of the RGD protein decorsin: A potent inhibitor of platelet aggregation. <i>Protein Science</i> , 1998, 7, 433-444.	3.1	16

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55	Enhanced Protein Thermostability by Ala → Aib Replacement. <i>Biochemistry</i> , 1998, 37, 1686-1696.	1.2	49
56	Rigidity of Thermophilic Enzymes. <i>Progress in Biotechnology</i> , 1998, 15, 277-294.	0.2	16
57	Limited Proteolysis of Proteins by Thermolysin in Trifluoroethanol. <i>Progress in Biotechnology</i> , 1998, 15, 381-392.	0.2	1
58	Differential Effects of Heparin and Glucose on Structural Conformation of Human $\alpha_1$ -Antitrypsin: Evidence for a Heparin-Induced Cleaved Form of the Inhibitor. <i>Archives of Biochemistry and Biophysics</i> , 1997, 347, 19-29.	1.4	8
59	Probing the conformational state of apomyoglobin by limited proteolysis 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 1997, 266, 223-230.	2.0	185
60	Cytochrome <i>b6/f</i> complex from the cyanobacterium <i>Synechocystis</i> 6803: evidence of dimeric organization and identification of chlorophyll-binding subunit. <i>FEBS Letters</i> , 1997, 414, 585-589.	1.3	24
61	Probing the partly folded states of proteins by limited proteolysis. <i>Folding &amp; Design</i> , 1997, 2, R17-R26.	4.5	279
62	Limited proteolysis of ribonuclease A with thermolysin in trifluoroethanol. <i>Protein Science</i> , 1997, 6, 860-872.	3.1	28
63	Acid-Induced Molten Globule State of a Fully Active Mutant of Human Interleukin-6. <i>Biochemistry</i> , 1996, 35, 11503-11511.	1.2	33
64	Limited Proteolysis of Lysozyme in Trifluoroethanol. Isolation and Characterization of a Partially Active Enzyme Derivative. <i>FEBS Journal</i> , 1995, 230, 779-787.	0.2	25
65	Pigment-Protein Complexes from the Photosynthetic Membrane of the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>FEBS Journal</i> , 1995, 234, 459-465.	0.2	26
66	Structure, Stability and Biological Properties of a N-terminally Truncated form of Recombinant Human Interleukin-6 Containing a Single Disulfide Bond. <i>FEBS Journal</i> , 1995, 227, 573-581.	0.2	24
67	Differential ethylene-inducible expression of cellulase in pepper plants. <i>Plant Molecular Biology</i> , 1995, 29, 735-747.	2.0	92
68	Limited proteolysis of cytochrome <i>c</i> in trifluoroethanol. <i>FEBS Letters</i> , 1995, 362, 266-270.	1.3	35
69	Probing the structure of human growth hormone by limited proteolysis. <i>International Journal of Peptide and Protein Research</i> , 1995, 45, 200-208.	0.1	25
70	Light-induced degradation of D2 protein in isolated photosystem II reaction center complex. <i>FEBS Letters</i> , 1992, 311, 33-36.	1.3	34
71	Tetanus and botulinum-B neurotoxins block neurotransmitter release by proteolytic cleavage of synaptobrevin. <i>Nature</i> , 1992, 359, 832-835.	13.7	1,750
72	Polyphenols as Potential Therapeutic Drugs in Neurodegeneration. , 0, , .		1