Pietro Pucci

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5212575/publications.pdf

Version: 2024-02-01

244	7,949	50244	91828
papers	citations	46 h-index	69 g-index

251	251	251	12050
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wilson Disease Protein ATP7B Utilizes Lysosomal Exocytosis to Maintain Copper Homeostasis. Developmental Cell, 2014, 29, 686-700.	3.1	203
2	The structure of syringomycins A1, E and G. FEBS Letters, 1989, 255, 27-31.	1.3	158
3	A new method for rapid assignment of S-S bridges in proteins. Biochemical and Biophysical Research Communications, 1985, 126, 1122-1128.	1.0	150
4	Vesicular and non-vesicular transport feed distinct glycosylation pathways in the Golgi. Nature, 2013, 501, 116-120.	13.7	136
5	Indole-3-acetic acid improves Escherichia coliâ€™s defences to stress. Archives of Microbiology, 2006, 185, 373-382.	1.0	129
6	Peptidoglycan and Muropeptides from Pathogens Agrobacterium and Xanthomonas Elicit Plant Innate Immunity: Structure and Activity. Chemistry and Biology, 2008, 15, 438-448.	6.2	129
7	Single-step purification and structural characterization of human interleukin-6 produced in Esherichia coli From a T7 RNA polymerase expression vector. FEBS Journal, 1991, 198, 541-547.	0.2	128
8	Syringopeptins, new phytotoxic lipodepsipeptides of Pseudomonas syringae pv. syringae. FEBS Letters, 1991, 291, 109-112.	1.3	126
9	Mitochondrial Chaperone Trap1 and the Calcium Binding Protein Sorcin Interact and Protect Cells against Apoptosis Induced by Antiblastic Agents. Cancer Research, 2010, 70, 6577-6586.	0.4	120
10	Phenol Hydroxylase and Toluene/ o -Xylene Monooxygenase from Pseudomonas stutzeri OX1: Interplay between Two Enzymes. Applied and Environmental Microbiology, 2004, 70, 2211-2219.	1.4	113
11	Structure and Function of the Long Pentraxin PTX3 Glycosidic Moiety:Â Fine-Tuning of the Interaction with C1q and Complement Activation. Biochemistry, 2006, 45, 11540-11551.	1.2	113
12	Genome-wide mapping of 8-oxo-7,8-dihydro-2â€²-deoxyguanosine reveals accumulation of oxidatively-generated damage at DNA replication origins within transcribed long genes of mammalian cells. Nucleic Acids Research, 2019, 47, 221-236.	6.5	94
13	The Gene, Protein and Glycan Structures of Laccase from Pleurotus ostreatus. FEBS Journal, 1996, 235, 508-515.	0.2	93
14	Modern Mass Spectrometric Methodologies in Monitoring Milk Quality. Analytical Chemistry, 2000, 72, 408-415.	3.2	93
15	Proteolytic cleavage of Ser52Pro variant transthyretin triggers its amyloid fibrillogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1539-1544.	3.3	91
16	Topology of the calmodulin-melittin complex 1 1Edited by P.E. Wright. Journal of Molecular Biology, 1998, 277, 945-958.	2.0	90
17	Structure of syringotoxin, a bioactive metabolite ofPseudomonas syringaepv.syringae. FEBS Letters, 1990, 269, 377-380.	1.3	86
18	Novel bioactive lipodepsipeptides from Pseudomonas syringae : The pseudomycins. FEBS Letters, 1994, 355, 96-100.	1.3	86

#	Article	IF	Citations
19	Deamidation at Asparagine and Glutamine As a Major Modification upon Deterioration/Aging of Proteinaceous Binders in Mural Paintings. Analytical Chemistry, 2011, 83, 2056-2064.	3.2	86
20	Protease treatment affects both invasion ability and biofilm formation in Listeria monocytogenes. Microbial Pathogenesis, 2008, 45, 45-52.	1.3	81
21	Structural Analysis of Saposin C and B. Journal of Biological Chemistry, 1995, 270, 9953-9960.	1.6	79
22	The E3-Ubiquitin Ligase TRIM50 Interacts with HDAC6 and p62, and Promotes the Sequestration and Clearance of Ubiquitinated Proteins into the Aggresome. PLoS ONE, 2012, 7, e40440.	1.1	76
23	Pancreatic cancer-derived S-100A8 N-terminal peptide: A diabetes cause?. Clinica Chimica Acta, 2006, 372, 120-128.	0.5	75
24	Proteomic strategies for the identification of proteinaceous binders in paintings. Analytical and Bioanalytical Chemistry, 2009, 395, 2269-2280.	1.9	75
25	Chromobox Protein Homologue 7 Protein, with Decreased Expression in Human Carcinomas, Positively Regulates E-Cadherin Expression by Interacting with the Histone Deacetylase 2 Protein. Cancer Research, 2009, 69, 7079-7087.	0.4	72
26	Expression and purification of the recombinant subunits of toluene/o -xylene monooxygenase and reconstitution of the active complex. FEBS Journal, 2002, 269, 5689-5699.	0.2	67
27	Protein fingerprint by fast atom bombardment mass spectrometry: Characterization of normal and variant human haemoglobins. Biochemical and Biophysical Research Communications, 1985, 130, 84-90.	1.0	66
28	S-Glutathionylation at Cys328 and Cys542 Impairs STAT3 Phosphorylation. ACS Chemical Biology, 2014, 9, 1885-1893.	1.6	66
29	Probing the tertiary structure of proteins by limited proteolysis and mass spectrometry: The case of minibody. Protein Science, 1996, 5, 802-813.	3.1	62
30	Identification of proteins interacting with the RNAPII FCP1 phosphatase: FCP1 forms a complex with arginine methyltransferase PRMT5 and it is a substrate for PRMT5-mediated methylation. FEBS Letters, 2005, 579, 683-689.	1.3	62
31	Multistep, sequential control of the trafficking and function of the multiple sulfatase deficiency gene product, SUMF1 by PDI, ERGIC-53 and ERp44. Human Molecular Genetics, 2008, 17, 2610-2621.	1.4	62
32	PRUNE is crucial for normal brain development and mutated in microcephaly with neurodevelopmental impairment. Brain, 2017, 140, 940-952.	3.7	62
33	Effect of Glutaredoxin and Protein Disulfide Isomerase on the Glutathione-Dependent Folding of Ribonuclease Aâ€. Biochemistry, 1997, 36, 12259-12267.	1.2	61
34	Proteomic strategies for cultural heritage: From bones to paintings. Microchemical Journal, 2016, 126, 341-348.	2.3	60
35	Identification of the prion protein allotypes which accumulate in the brain of sporadic and familial Creutzfeldt-Jakob disease patients. Nature Medicine, 1997, 3, 521-525.	15.2	58
36	Axinellins A and B: New Proline-Containing Antiproliferative Cyclopeptides from the Vanuatu SpongeAxinella carteri. European Journal of Organic Chemistry, 1998, 1998, 2659-2665.	1.2	57

#	Article	IF	Citations
37	Conformational analysis of HAMLET, the folding variant of human Î±-lactalbumin associated with apoptosis. Protein Science, 2004, 13, 1322-1330.	3.1	57
38	Structure of fuscopeptins, phytotoxic metabolites of Pseudomonas fuscovaginae. FEBS Letters, 1996, 381, 213-216.	1.3	55
39	Capillary zone electrophoresis and mass spectrometry for the characterization of genetic variants of human hemoglobin. Analytical Biochemistry, 1991, 194, 1-8.	1.1	54
40	Topological investigation of amyloid fibrils obtained from Î²2-microglobulin. Protein Science, 2009, 11, 2362-2369.	3.1	53
41	Surface topology of Minibody by selective chemical modifications and mass spectrometry. Protein Science, 1997, 6, 1901-1909.	3.1	52
42	Mass spectrometric identification of the amino donor and acceptor sites in a transglutaminase protein substrate secreted from rat seminal vesicles. Biochemistry, 1991, 30, 3114-3120.	1.2	51
43	The Role of the Conserved Residues His-246, His-199, and Tyr-255 in the Catalysis of Catechol 2,3-Dioxygenase from Pseudomonas stutzeri OX1. Journal of Biological Chemistry, 2004, 279, 48630-48639.	1.6	51
44	Bidimensional Tandem Mass Spectrometry for Selective Identification of Nitration Sites in Proteins. Analytical Chemistry, 2007, 79, 2109-2117.	3.2	51
45	The role of copper(<scp>ii</scp>) in the aggregation of human amylin. Metallomics, 2014, 6, 1841-1852.	1.0	51
46	Relevance of chlorine-substituent for the antifungal activity of syringomycin and syringotoxin, metabolites of the phytopathogenic bacteriumPseudomonas syringae pv.syringae. Experientia, 1994, 50, 130-133.	1.2	48
47	Interaction Proteomics. Bioscience Reports, 2005, 25, 45-56.	1.1	48
48	Effects of the Known Pathogenic Mutations on the Aggregation Pathway of the Amyloidogenic Peptide of Apolipoprotein A-I. Journal of Molecular Biology, 2011, 407, 465-476.	2.0	48
49	Plasma nitroproteome of kidney disease patients. Amino Acids, 2011, 40, 653-667.	1.2	48
50	Structural Characterisation of Human Recombinant Glycohormones Follitropin, Lutropin and Choriogonadotropin Expressed in Chinese Hamster Ovary Cells. FEBS Journal, 1996, 242, 608-618.	0.2	47
51	Binding of Î±-Actinin to Titin:Â Implications for Z-Disk Assembly. Biochemistry, 2000, 39, 5255-5264.	1.2	47
52	Multiple forms of syringomycin. Physiological and Molecular Plant Pathology, 1988, 33, 493-496.	1.3	46
53	The co-chaperone BAG3 interacts with the cytosolic chaperonin CCT: New hints for actin folding. International Journal of Biochemistry and Cell Biology, 2010, 42, 641-650.	1.2	44
54	A complex of Î±₆ integrin and Eâ€cadherin drives liver metastasis of colorectal cancer cells through hepatic angiopoietinâ€like 6. EMBO Molecular Medicine, 2012, 4, 1156-1175.	3.3	44

#	Article	IF	Citations
55	Identification of major Toxoneuron nigriceps venom proteins using an integrated transcriptomic/proteomic approach. Insect Biochemistry and Molecular Biology, 2016, 76, 49-61.	1.2	44
56	Direct interactions among Ret, GDNF and GFRÎ±1 molecules reveal new insights into the assembly of a functional three-protein complex. Cellular Signalling, 2005, 17, 717-727.	1.7	43
57	Formyl peptide receptor 1 suppresses gastric cancer angiogenesis and growth by exploiting inflammation resolution pathways. OncoImmunology, 2017, 6, e1293213.	2.1	43
58	Glutathione-Dependent Pathways of Refolding of RNase T1 by Oxidation and Disulfide Isomerization:â€‰Catalysis by Protein Disulfide Isomerase,. Biochemistry, 1996, 35, 13636-13646.	1.2	42
59	Functional proteomics. Clinica Chimica Acta, 2005, 357, 140-150.	0.5	42
60	Sulfatase modifying factor 1 trafficking through the cells: from endoplasmic reticulum to the endoplasmic reticulum. EMBO Journal, 2007, 26, 2443-2453.	3.5	42
61	Functional amyloids in insect immune response. Insect Biochemistry and Molecular Biology, 2012, 42, 203-211.	1.2	42
62	Comparison of the action of different proteases on virulence properties related to the staphylococcal surface. Journal of Applied Microbiology, 2013, 114, 266-277.	1.4	42
63	Phosphorylationâ€Regulated Degradation of the Tumorâ€Suppressor Form of PED by Chaperoneâ€Mediated Autophagy in Lung Cancer Cells. Journal of Cellular Physiology, 2014, 229, 1359-1368.	2.0	42
64	Identification of p38 MAPK and JNK as new targets for correction of Wilson diseaseâ€causing ATP7B mutants. Hepatology, 2016, 63, 1842-1859.	3.6	42
65	Amino Acid Sequence and Disulphide-bridge Pattern of three gamma-Thionins from Sorghum bicolor. FEBS Journal, 1995, 228, 250-256.	0.2	42
66	Separation of phenylthiohydantoinâ€"amino acids by high-performance liquid chromatography. Journal of Chromatography A, 1983, 270, 371-377.	1.8	41
67	Structural and biochemical characterization of a new type of lectin isolated from carp eggs. Biochemical Journal, 2003, 376, 433-440.	1.7	40
68	Human .alpha.-fetoprotein primary structure: a mass spectrometric study. Biochemistry, 1991, 30, 5061-5066.	1.2	39
69	Assignment of the five disulfide bridges in an alpha-amylase inhibitor from wheat kernel by fast-atom-bombardment mass spectrometry and Edman degradation. FEBS Journal, 1991, 199, 595-600.	0.2	39
70	Transglutaminase from Rat Coagulating Gland Secretion. Journal of Biological Chemistry, 1996, 271, 27416-27423.	1.6	39
71	The peculiar structural features of kiwi fruit pectin methylesterase: Amino acid sequence, oligosaccharides structure, and modeling of the interaction with its natural proteinaceous inhibitor. Proteins: Structure, Function and Bioinformatics, 2008, 71, 195-206.	1.5	39
72	The molecular chaperone Hsp90 is a component of the cap-binding complex and interacts with the translational repressor Cup during Drosophila oogenesis. Gene, 2009, 432, 67-74.	1.0	39

#	Article	IF	Citations
73	A new anti-infective strategy to reduce the spreading of antibiotic resistance by the action on adhesion-mediated virulence factors in Staphylococcus aureus. Microbial Pathogenesis, 2013, 63, 44-53.	1.3	39
74	Amino Acid Sequence, S-S Bridge Arrangement and Distribution in Plant Tissues of Thionins from Viscum album. Biological Chemistry, 1997, 378, 989-96.	1.2	37
75	Biological properties of a human compact anti-ErbB2 antibody. Carcinogenesis, 2005, 26, 1890-1895.	1.3	37
76	Divergent behavior of hydrogen sulfide pools and of the sulfur metabolite lanthionine, a novel uremic toxin, in dialysis patients. Biochimie, 2016, 126, 97-107.	1.3	37
77	Thermal Stability and Aggregation of Sulfolobus solfataricus Î²-Glycosidase Are Dependent upon the N-â^^-Methylation of Specific Lysyl Residues. Journal of Biological Chemistry, 2004, 279, 10185-10194.	1.6	36
78	Proteomics of Î²2-microglobulin amyloid fibrils. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1753, 23-33.	1.1	36
79	Exploring the Mechanism of Formation of Native-like and Precursor Amyloid Oligomers for the Native Acylphosphatase from Sulfolobus solfataricus. Structure, 2006, 14, 993-1001.	1.6	36
80	The centrosomal OFD1 protein interacts with the translation machinery and regulates the synthesis of specific targets. Scientific Reports, 2017, 7, 1224.	1.6	36
81	A remarkable short synthesis of optically active mevinic acid analogs by biocatalytic lactonization of syn-3,5-dihydroxy esters. Journal of Organic Chemistry, 1991, 56, 4050-4052.	1.7	35
82	[d-Leu2]Deltorphin, a 17 amino acid opioid peptide from the skin of the Brazilian hylid frog, Phyllomedusa burmeisteri. Peptides, 1994, 15, 199-202.	1.2	35
83	hnRNP H1 and intronic G runs in the splicing control of the human rpL3 gene. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2010, 1799, 419-428.	0.9	35
84	Molecular Basis of Phospholipase A2 Inhibition by Petrosaspongiolide M. ChemBioChem, 2002, 3, 664.	1.3	34
85	The Regions of the Sequence Most Exposed to the Solvent Within the Amyloidogenic State of a Protein Initiate the Aggregation Process. Journal of Molecular Biology, 2004, 336, 253-262.	2.0	34
86	Conformational Changes in Human Hepatitis C Virus NS3 Protease upon Binding of Product-Based Inhibitors. Biochemistry, 1999, 38, 13844-13852.	1.2	33
87	Pancreatic cancer-associated diabetes mellitus: An open field for proteomic applications. Clinica Chimica Acta, 2005, 357, 184-189.	0.5	33
88	H-prune-nm23-H1 protein complex and correlation to pathways in cancer metastasis. Journal of Bioenergetics and Biomembranes, 2006, 38, 205-213.	1.0	33
89	Amino acid sequence and molecular modelling of glycoprotein IIb-IIIa and fibronectin receptor iso-antagonists from Trimeresurus elegans venom. Biochemical Journal, 1996, 319, 775-782.	1.7	32
90	Liquid crystalline elastomers based on diglycidyl terminated rigid monomers and aliphatic acids. Part 1. Synthesis and characterization. Polymer, 2005, 46, 2105-2121.	1.8	32

#	Article	IF	Citations
91	Evolution of an insect immune barrier through horizontal gene transfer mediated by a parasitic wasp. PLoS Genetics, 2019, 15, e1007998.	1.5	32
92	Stabilization of recombinant human basic fibroblast growth factor by chemical modifications of cysteine residues. FEBS Journal, 1992, 204, 649-655.	0.2	31
93	Characterization of low-molecular-mass trypsin isoinhibitors from oil-rape (Brassica napus var.) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.2	31
94	Multiple Determinants Influence Complex Formation of the Hepatitis C Virus NS3 Protease Domain with Its NS4A Cofactor Peptide. Biochemistry, 1999, 38, 5206-5215.	1.2	31
95	cis-acting sequences and trans-acting factors in the localization of mRNA for mitochondrial ribosomal proteins. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2008, 1779, 820-829.	0.9	31
96	New perspectives in cancer: Modulation of lipid metabolism and inflammation resolution. Pharmacological Research, 2018, 128, 80-87.	3.1	31
97	Identification by Fast Atom Bombardment Mass Spectrometry of HB Indianapolis [Î²112(G14)CYSâ†'ARG] in a Family from Naples, Italy. Hemoglobin, 1988, 12, 323-336.	0.4	30
98	Ribosomal protein L7a binds RNA through two distinct RNA-binding domains. Biochemical Journal, 2005, 385, 289-299.	1.7	30
99	Î²-Endorphin modification by transglutaminase in vitro: Identification by FABMS of glutamine-11 and lysine-29 as acyl donor and acceptor sites. Biochemical and Biophysical Research Communications, 1988, 154, 735-740.	1.0	29
100	A novel zinc finger transcriptional repressor, ZNF224, interacts with the negative regulatory element (AldA-NRE) and inhibits gene expression. FEBS Letters, 2003, 534, 93-100.	1.3	29
101	A simple and reliable methodology to detect egg white in art samples. Journal of Biosciences, 2013, 38, 397-408.	0.5	29
102	S-glutathionylation exerts opposing roles in the regulation of STAT1 and STAT3 signaling in reactive microglia. Free Radical Biology and Medicine, 2018, 117, 191-201.	1.3	29
103	Thetbf-1Gene from the White TruffleTuber borchiiCodes for a Structural Cell Wall Protein Specifically Expressed in Fruitbody1. Fungal Genetics and Biology, 1998, 25, 87-99.	0.9	28
104	Different carbon sources affect lifespan and protein redox state during Saccharomyces cerevisiae chronological ageing. Cellular and Molecular Life Sciences, 2009, 66, 933-947.	2.4	28
105	Substance P as a transglutaminase substrate: Identification of the reaction products by fast atom bombardment mass spectrometry. Analytical Biochemistry, 1988, 172, 499-503.	1.1	27
106	Enzyme catalysed lactonization of 3,5 dihydroxy esters: Enantioselective synthesis of naturally occurring 3-hydroxy-5-decanolide, (â^')-massoialactone, and 3-hydroxy-5-icosanolide.. Tetrahedron: Asymmetry, 1992, 3, 29-32.	1.8	27
107	Molecular and Functional Analysis of the Large 5â€² Promoter Region of CFTR Gene Revealed Pathogenic Mutations in CF and CFTR-Related Disorders. Journal of Molecular Diagnostics, 2013, 15, 331-340.	1.2	27
108	Proteome analysis of human amniotic mesenchymal stem cells (hA-MSCs) reveals impaired antioxidant ability, cytoskeleton and metabolic functionality in maternal obesity. Scientific Reports, 2016, 6, 25270.	1.6	27

#	Article	IF	Citations
109	Isolation and characterization of dipeptidyl peptidase IV from human meconium. FEBS Letters, 1985, 184, 273-277.	1.3	26
110	Purification and characterization of a small (7.3 kDa) putative lipid transfer protein from maize seeds. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 794, 109-114.	1.2	26
111	Assignment of phosphorylation sites in buffalo Î²-casein by fast atom bombardment mass spectrometry. Biochemical and Biophysical Research Communications, 1986, 140, 28-37.	1.0	25
112	Topology of the Thyroid Transcription Factor 1 Homeodomainâ^'DNA Complexâ€. Biochemistry, 1999, 38, 64-72.	1.2	25
113	Hexafluoroisopropanol and Acid Destabilized Forms of Apomyoglobin Exhibit Structural Differencesâ€. Biochemistry, 2003, 42, 312-319.	1.2	25
114	Tubulin nitration in human gliomas. Neuroscience Letters, 2006, 394, 57-62.	1.0	25
115	Structural and membrane-binding properties of saposin D. FEBS Journal, 1999, 263, 486-494.	0.2	24
116	Lysine 58-cleaved beta2-microglobulin is not detectable by 2D electrophoresis in ex vivo amyloid fibrils of two patients affected by dialysis-related amyloidosis. Protein Science, 2006, 16, 343-349.	3.1	24
117	Insights into the fate of the N-terminal amyloidogenic polypeptide of ApoA-I in cultured target cells. Journal of Cellular and Molecular Medicine, 2011, 15, 2652-2663.	1.6	24
118	Intermolecular disulfide bond influences unphosphorylated STAT3 dimerization and function. Biochemical Journal, 2016, 473, 3205-3219.	1.7	24
119	Microheterogeneity of Odorant-Binding Proteins in the Porcupine Revealed by N-Terminal Sequencing and Mass Spectrometry. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1997, 117, 287-291.	0.7	23
120	Conformational changes in the NS3 protease from hepatitis C virus strain Bk monitored by limited proteolysis and mass spectrometry. Protein Science, 1999, 8, 1445-1454.	3.1	23
121	Biophysical and biochemical characterization of a liposarcomaâ€derived recombinant MnSOD protein acting as an anticancer agent. International Journal of Cancer, 2008, 123, 2684-2695.	2.3	23
122	Hb Foggia or Â117(GH5)Phe -> Ser : a new Â2 globin allele affecting the ÂHb-AHSP interaction. Haematologica, 2008, 93, 141-142.	1.7	23
123	Role of GALNT2 in the modulation of ENPP1 expression, and insulin signaling and action. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1388-1395.	1.9	23
124	Protein conformational perturbations in hereditary amyloidosis: Differential impact of single point mutations in ApoAI amyloidogenic variants. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 434-444.	1.1	23
125	The multifunctional polydnavirus TnBVANK1 protein: impact on host apoptotic pathway. Scientific Reports, 2017, 7, 11775.	1.6	23
126	Human-immunodeficiency-virus transmembrane glycoprotein gp41 is an amino acceptor and donor substrate for transglutaminase in vitro. FEBS Journal, 1993, 215, 99-104.	0.2	22

#	Article	IF	Citations
127	Neurokinin Receptors Could Be Differentiated by Their Capacity to Respond to the Transglutaminaseâ€Synthesized Î³â€(Glutamyl⁵)Spermine Derivative of Substance P. Journal of Neurochemistry, 1995, 65, 420-426.	2.1	22
128	The gene of an archaeal Î±-l-fucosidase is expressed by translational frameshifting. Nucleic Acids Research, 2006, 34, 4258-4268.	6.5	22
129	Early intermediates in the PDIâ€assisted folding of ribonuclease A. Protein Science, 2000, 9, 525-535.	3.1	22
130	Effects of a lipid environment on the fibrillogenic pathway of the N-terminal polypeptide of human apolipoproteinÂA-I, responsible for inÂvivo amyloid fibril formation. European Biophysics Journal, 2010, 39, 1289-1299.	1.2	22
131	Deglycosylation Step to Improve the Identification of Egg Proteins in Art Samples. Analytical Chemistry, 2015, 87, 10178-10182.	3.2	22
132	TRIM8-driven transcriptomic profile of neural stem cells identified glioma-related nodal genes and pathways. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 491-501.	1.1	22
133	Mass spectrometry study of ecto-5â€²-nucleotidase from bull seminal plasma. FEBS Journal, 2000, 267, 4978-4987.	0.2	21
134	Puzzle of protein complexesin vivo: a present and future challenge for functional proteomics. Expert Review of Proteomics, 2009, 6, 159-169.	1.3	21
135	Multiple Reaction Monitoring Tandem Mass Spectrometry Approach for the Identification of Biological Fluids at Crime Scene Investigations. Analytical Chemistry, 2018, 90, 5627-5636.	3.2	21
136	Structural characterization of a biologically active human lipocortin 1 expressed in Escherichia coli. FEBS Journal, 1993, 211, 347-355.	0.2	20
137	The FCP1 phosphatase interacts with RNA polymerase II and with MEP50 a component of the methylosome complex involved in the assembly of snRNP. Nucleic Acids Research, 2003, 31, 999-1005.	6.5	20
138	The <scp>TRAPP</scp> complex mediates secretion arrest induced by stress granule assembly. EMBO Journal, 2019, 38, e101704.	3.5	20
139	Venomics of the ectoparasitoid wasp Bracon nigricans. BMC Genomics, 2020, 21, 34.	1.2	20
140	Mitochondrial bovine aspartate aminotransferase. FEBS Letters, 1979, 101, 351-354.	1.3	19
141	A third instance of the high oxygen affinity variant, HB heathrow [Î²103(G5)pheâ†'leu]: Identification of the mutation by mass spectrometry and by DNA analysis. Hemoglobin, 1991, 15, 43-51.	0.4	19
142	Structural characterization of the oligosaccharide chains of human Î±1-microglobulin from urine and amniotic fluid. FEBS Journal, 2000, 267, 2105-2112.	0.2	19
143	A nucleotide insertion and frameshift cause albumin KÃ©nitra, an extended and O-glycosylated mutant of human serum albumin with two additional disulfide bridges. FEBS Journal, 2001, 268, 344-352.	0.2	19
144	Tuber borchii fruit body: 2-dimensional profile and protein identification. Phytochemistry, 2004, 65, 813-820.	1.4	19

#	Article	IF	Citations
145	Digestion by pancreatic juice of a betaâ€casomorphinâ€containing fragment of buffalo betaâ€casein. International Journal of Peptide and Protein Research, 1987, 29, 504-508.	0.1	19
146	Enzymatically active fibrils generated by the self-assembly of the ApoA-I fibrillogenic domain functionalized with a catalytic moiety. Biomaterials, 2009, 30, 829-835.	5.7	19
147	Identification of disulphide bonds in the refolding of bovine pancreatic RNase A. Folding & Design, 1996, 1, 381-390.	4.5	18
148	Characterization of five new low-molecular-mass trypsin inhibitors from white mustard (Sinapis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0.2	18
149	Recombinant amyloidogenic domain of ApoA-I: Analysis of its fibrillogenic potential. Biochemical and Biophysical Research Communications, 2006, 351, 223-228.	1.0	18
150	PED interacts with Rac1 and regulates cell migration/invasion processes in human nonâ€small cell lung cancer cells. Journal of Cellular Physiology, 2010, 225, 63-72.	2.0	18
151	Structural characterization and biological properties of human gastrokine 1. Molecular BioSystems, 2013, 9, 412.	2.9	18
152	The complex CBX7-PRMT1 has a critical role in regulating E-cadherin gene expression and cell migration. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2019, 1862, 509-521.	0.9	18
153	Identification of proteinaceous binders in paintings: A targeted proteomic approach for cultural heritage. Microchemical Journal, 2019, 144, 319-328.	2.3	18
154	An integrated transcriptomic and proteomic approach to identify the main Torymus sinensis venom components. Scientific Reports, 2021, 11, 5032.	1.6	18
155	Novel Autocrine and Paracrine Loops of the Stem Cell Factor/Chymase Network. International Archives of Allergy and Immunology, 1999, 118, 422-425.	0.9	17
156	Slow Folding of Three-Fingered Toxins Is Associated with the Accumulation of Native Disulfide-Bonded Intermediates. Biochemistry, 2001, 40, 15257-15266.	1.2	17
157	Binding and Relaxometric Properties of Heme Complexes with Cyanogen Bromide Fragments of Human Serum Albumin. Biophysical Journal, 2002, 83, 2248-2258.	0.2	17
158	The MicroRNA 15a/16â€“1 Cluster Down-regulates Protein Repair Isoaspartyl Methyltransferase in Hepatoma Cells. Journal of Biological Chemistry, 2011, 286, 43690-43700.	1.6	17
159	HDAC6 mediates the acetylation of TRIM50. Cellular Signalling, 2014, 26, 363-369.	1.7	17
160	A hypothesis of sudden body fluid vaporization in the 79 AD victims of Vesuvius. PLoS ONE, 2018, 13, e0203210.	1.1	17
161	Enzymatic methyl esterification of synthetic tripeptides: structural requirements of the peptide substrate. Detection of the reaction products by fast-atom-bombardment mass spectrometry. FEBS Journal, 1988, 177, 233-239.	0.2	17
162	Substance P inactivation by transglutaminase in vitro. Peptides, 1992, 13, 151-154.	1.2	16

#	Article	IF	Citations
163	Hemoglobin Ozieri: a new Î±-chain variant (Î±71(E20)Ala â†' Val). Characterization using FAB- and electrospray-mass spectrometric techniques. BBA - Proteins and Proteomics, 1993, 1162, 203-208.	2.1	16
164	Technical advances in proteomics mass spectrometry: identification of post-translational modifications. Clinical Chemistry and Laboratory Medicine, 2009, 47, 647-65.	1.4	16
165	TRIM8 interacts with KIF11 and KIFC1 and controls bipolar spindle formation and chromosomal stability. Cancer Letters, 2020, 473, 98-106.	3.2	16
166	Post-translational modifications in aspartate aminotransferase from Sulfolobus solfataricus. Detection of N-e-methyllysines by mass spectrometry. FEBS Journal, 1994, 222, 761-767.	0.2	15
167	The Length of a Single Turn Controls the Overall Folding Rate of â€œThree-Fingeredâ€•Snake Toxinsâ€. Biochemistry, 1998, 37, 16060-16068.	1.2	15
168	The different forms of PNS myelin P0 protein within and outside lipid rafts. Journal of Neurochemistry, 2008, 107, 291-301.	2.1	15
169	Regulating levels of the neuromodulator <scp>d</scp>â€serine in human brain: structural insight into pLG72 and <scp>d</scp>â€amino acid oxidase interaction. FEBS Journal, 2016, 283, 3353-3370.	2.2	15
170	The interaction between the F55 virus-encoded transcription regulator and the RadA host recombinase reveals a common strategy in Archaea and Bacteria to sense the UV-induced damage to the host DNA. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2020, 1863, 194493.	0.9	15
171	From untargeted metabolomics to the multiple reaction monitoringâ€based quantification of polyphenols in chocolates from different geographical areas. Journal of Mass Spectrometry, 2021, 56, e4651.	0.7	15
172	Factors affecting the fast atom bombardment mass spectrometric analysis of proteolytic digests of proteins. Biological Mass Spectrometry, 1992, 21, 22-26.	0.5	14
173	Production and structural characterization of amino terminally histidine tagged human oncostatin M in E. Coli. Cytokine, 1994, 6, 255-264.	1.4	14
174	Assignment of Disulphide Bridges in Par j 2.0101, a Major Allergen of Parietaria judaica Pollen. Biological Chemistry, 2003, 384, 1165-1172.	1.2	14
175	Fyn specifically Regulates the activity of red cell glucose-6-phosphate-dehydrogenase. Redox Biology, 2020, 36, 101639.	3.9	14
176	Structural Characterization of Four Genetic Variants of Human Serum Albumin Associated with Alloalbuminemia in Italy. FEBS Journal, 1997, 247, 476-482.	0.2	13
177	Resolution of the effects induced by WÂâ†'ÂF substitutions on the conformation and dynamics of the amyloid-forming apomyoglobin mutant W7FW14F. European Biophysics Journal, 2012, 41, 615-627.	1.2	13
178	Quantitative determination of free D-Asp, L-Asp and N-methyl-D-aspartate in mouse brain tissues by chiral separation and Multiple Reaction Monitoring tandem mass spectrometry. PLoS ONE, 2017, 12, e0179748.	1.1	13
179	Hb F-Sassari: A Novel Gî³Variant with a Threonine Residue at Positionî³75, Characterized by Mass Spectrometry Techniques. Hemoglobin, 1994, 18, 307-315.	0.4	12
180	Assignment of protein disulphides by a computer method using mass spectrometric data. FEBS Letters, 1996, 393, 241-247.	1.3	12

#	Article	IF	Citations
181	Conformational analysis of putative regulatory subunit D of the toluene/o-xylene-monooxygenase complex from Pseudomonas stutzeri OX1. Protein Science, 2001, 10, 482-490.	3.1	12
182	In HspA from Helicobacter pylori vicinal disulfide bridges are a key determinant of domain B structure. FEBS Letters, 2008, 582, 3537-3541.	1.3	12
183	A novel ErbB2 epitope targeted by human antitumor immunoagents. FEBS Journal, 2011, 278, 1156-1166.	2.2	12
184	Xanthomonas campestris lipooligosaccharides trigger innate immunity and oxidative burst in Arabidopsis. Plant Physiology and Biochemistry, 2014, 85, 51-62.	2.8	12
185	New insights on the functional role of URG7 in the cellular response to ER stress. Biology of the Cell, 2018, 110, 147-158.	0.7	12
186	Heat-Induced Brain Vitrification from the Vesuvius Eruption in <scp>c.e.</scp> 79. New England Journal of Medicine, 2020, 382, 383-384.	13.9	12
187	Sequence determination of cyanogen bromide-peptides by combined use of high-performance liquid chromatography fast atom bombardment mass spectrometry. Journal of Chromatography A, 1985, 331, 425-431.	1.8	11
188	Structural Characterization of the M* Partly Folded Intermediate of Wild Type and P138A Aspartate Aminotransferase from Escherichia coli. Journal of Biological Chemistry, 2002, 277, 17428-17437.	1.6	11
189	Description of the topographical changes associated to the different stages of the DsbA catalytic cycle. Protein Science, 2009, 11, 1600-1612.	3.1	11
190	Amino Acid Sequence and Disulphide-bridge Pattern of three gamma-Thionins from Sorghum bicolor. FEBS Journal, 1995, 228, 250-256.	0.2	10
191	Trypsin Sheds Light on the Singular Case of Seminal RNase, a Dimer with Two Quaternary Conformations. Journal of Biological Chemistry, 2000, 275, 8000-8006.	1.6	10
192	Hierarchical Formation of Disulfide Bonds in the Immunoglobulin Fc Fragment Is Assisted by Protein-disulfide Isomerase. Journal of Biological Chemistry, 2004, 279, 15059-15066.	1.6	10
193	The Mitochondrial Italian Human Proteome Project Initiative (mt-HPP). Molecular BioSystems, 2013, 9, 1984-92.	2.9	10
194	Identification of SARS-CoV-2 Proteins from Nasopharyngeal Swabs Probed by Multiple Reaction Monitoring Tandem Mass Spectrometry. ACS Omega, 2021, 6, 34945-34953.	1.6	10
195	Human Î±-fetoprotein produced from hep G2 cell line: Structure and heterogeneity of the oligosaccharide moiety. Journal of Mass Spectrometry, 1995, 30, 632-638.	0.7	9
196	Structural and Functional Features of Modified Heat-Stable Toxins Produced by Enteropathogenic Klebsiella Cells. Pediatric Research, 2000, 48, 685-690.	1.1	9
197	A Rapid and Selective Mass Spectrometric Method for the Identification of Nitrated Proteins. Methods in Molecular Biology, 2008, 477, 15-29.	0.4	9
198	Modified calmodulin calcium binding domain III.. International Journal of Peptide and Protein Research, 1984, 23, 454-461.	0.1	9

#	Article	IF	Citations
199	Innate immunity probed by lipopolysaccharides affinity strategy and proteomics. Analytical and Bioanalytical Chemistry, 2013, 405, 775-784.	1.9	9
200	Î±-Thalassemia Associated with Hb Instability: A Tale of Two Features. The Case of Hb Rogliano or Î±1 Cod 108(G15)Thrâ†'Asn and Hb Policoro or Î±2 Cod 124(H7)Serâ†'Pro.. PLoS ONE, 2015, 10, e0115738.	1.1	9
201	A Novel Pathogenic BRCA1 Splicing Variant Produces Partial Intron Retention in the Mature Messenger RNA. International Journal of Molecular Sciences, 2016, 17, 2145.	1.8	9
202	Reactivity of sulphydryl groups of cytosolic and mitochondrial bovine aspartate aminotransferases. Molecular and Cellular Biochemistry, 1981, 35, 121-128.	1.4	8
203	Analysis of human serum albumin variants by mass spectrometric procedures. BBA - Proteins and Proteomics, 1998, 1384, 79-92.	2.1	8
204	Hb Cardarelli [Î²86(F2)Alaâ†'Pro]: A New Unstable and Hyperaffine Variant in Association with Î²+â€Thalassemia. Hemoglobin, 2004, 28, 103-115.	0.4	8
205	Glycoproteome Study in Myocardial Lesions Serum by Integrated Mass Spectrometry Approach: Preliminary Insights. European Journal of Mass Spectrometry, 2010, 16, 123-149.	0.5	8
206	Polymerization of hemoglobins in Arctic fish: Lycodes reticulatus and Gadus morhua. IUBMB Life, 2011, 63, 346-354.	1.5	8
207	A Hyperthermoactive-Cas9 Editing Tool Reveals the Role of a Unique Arsenite Methyltransferase in the Arsenic Resistance System of Thermus thermophilus HB27. MBio, 2021, 12, e0281321.	1.8	8
208	Partial purification and MALDI-TOF MS analysis of UN1, a tumor antigen membrane glycoprotein. International Journal of Biological Macromolecules, 2006, 39, 122-126.	3.6	7
209	Stoichiometry and Topology of the Complex of the Endogenous ATP Synthase Inhibitor Protein IF₁ with Calmodulin. Biochemistry, 2010, 49, 7542-7552.	1.2	7
210	Spectroscopic investigation of auranofin binding to zinc finger HIV-2 nucleocapsid peptides. Inorganica Chimica Acta, 2016, 453, 330-338.	1.2	7
211	A new hexapeptide from the leader peptide of rMnSOD enters cells through the oestrogen receptor to deliver therapeutic molecules. Scientific Reports, 2016, 6, 18691.	1.6	7
212	Selective and asymmetric action of trypsin on the dimeric forms of seminal RNase. Protein Science, 1998, 7, 2653-2658.	3.1	6
213	Assignment of the Complete Disulphide Bridge Pattern in the Human Recombinant Follitropin Î² -Chain. Biological Chemistry, 2001, 382, 961-8.	1.2	6
214	W-F Substitutions in Apomyoglobin Increase the Local Flexibility of the N-terminal Region Causing Amyloid Aggregation: A H/D Exchange Study. Protein and Peptide Letters, 2013, 20, 898-904.	0.4	6
215	Ultra-Rapid Glutathionylation of Ribonuclease: Is this the Real Incipit of its Oxidative Folding?. International Journal of Molecular Sciences, 2019, 20, 5440.	1.8	6
216	Synthesis and characterization of a recombinant fragment of human Î±-fetoprotein with antigenic selectivity versus albumin. Protein Engineering, Design and Selection, 1989, 2, 605-610.	1.0	5

#	Article	IF	Citations
217	FAB overlapping: a strategy for sequencing homologous proteins. International Journal of Mass Spectrometry and Ion Processes, 1991, 111, 287-300.	1.9	5
218	Hb G-Miwlo [Î±64(E13)ASPâ†'ASN] Observed in a Caucasian Family. Hemoglobin, 1994, 18, 53-56.	0.4	5
219	[4] Structural characterization of hemoglobin variants using capillary electrophoresis and fast atom bombardment mass spectrometry. Methods in Enzymology, 1994, 231, 45-65.	0.4	5
220	The effect of prime-site occupancy on the hepatitis C virus NS3 protease structure. Protein Science, 2009, 11, 2102-2112.	3.1	5
221	Lanthionine and Other Relevant Sulfur Amino Acid Metabolites: Detection of Prospective Uremic Toxins in Serum by Multiple Reaction Monitoring Tandem Mass Spectrometry. Methods in Molecular Biology, 2019, 2007, 9-17.	0.4	5
222	Functional proteomics: protein-protein interactions in vivo. Italian Journal of Biochemistry, 2007, 56, 310-4.	0.3	5
223	HB City of Hope [Î²69(E13)GLYâ†'SER] in Italy: Association of the Gene with Haplotype IX. Hemoglobin, 1992, 16, 27-34.	0.4	4
224	River buffalo (Bubalus bubalis L.) AA phenotype haemoglobins: characterization by immobiline polyacrylamide gel electrophoresis and high performance liquid chromatography and determination of the primary structure of the constitutive chains by mass spectrometry. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1992, 101, 91-98.	0.2	4
225	Disulfide isoform intermediates in the reoxidation of recombinant human basic fibroblast growth factor. Biochemistry, 1993, 32, 4991-4996.	1.2	4
226	Hb Southern Italy: coexistence of two missence mutations (the Hb Sun Prairie Î±₂ 130 Ala â†') Tj ETQq0 0 0 rgBT /Overlock Haematology, 2008, 143, 138-142.	1.2	4
227	Tyrosine Phosphorylation Modulates Peroxiredoxin-2 Activity in Normal and Diseased Red Cells. Antioxidants, 2021, 10, 206.	2.2	4
228	Structural characterization and independent folding of a chimeric glycoprotein comprising granulocyte-macrophage colony stimulating factor and erythropoietin sequences. Glycobiology, 1998, 8, 779-790.	1.3	4
229	Certain N-terminal peptides inhibit uptake of mature aspartate aminotransferase by isolated mitochondria. Biochemical and Biophysical Research Communications, 1990, 170, 609-615.	1.0	3
230	CysMap and CysJoin: Database and tools for protein disulphides localisation. FEBS Letters, 2005, 579, 3048-3054.	1.3	3
231	Synthesis and conformational studies of peptides encompassing the carboxyâ€terminal helix of thermolysin. International Journal of Peptide and Protein Research, 1990, 35, 396-405.	0.1	3
232	Limited Proteolysis Mass Spectrometry of Protein Complexes. , 0, , 63-82.		3
233	Analysis by fast atom bombardment mass spectrometry of 4,4-dicarboxy-5-(pyridoxyl-5â€²-phosphate)-proline, of 4-carboxy-5-(pyridoxyl-5â€²-phosphate)-proline and 4,4-dicarboxy-5-pyridoxylproline. Biomedical & Environmental Mass Spectrometry, 1989, 18, 995-999.	1.6	2
234	Characterization by mass spectrometry of a recombinant hepatitis delta virus antigen and its proteolytic products. FEBS Journal, 1992, 204, 515-521.	0.2	2

#	Article	IF	Citations
235	HB O-Arab [Î²121(GH4)GLUâ†'LYS]: Association with DNA Polymorphisms of African Ancestry in two Mediterranean Families. Hemoglobin, 1993, 17, 523-535.	0.4	2
236	Hb VILA REAL [Î²36(C2)Pro â†' His] IN ITALY: CHARACTERIZATION OF THE AMINO ACID SUBSTITUTION AND THE DNA MUTATION. Hemoglobin, 2002, 26, 21-31.	0.4	2
237	Studies on gliadin related peptides. I. Synthesis, purification and 1H n.m.r. characterization of the pentapeptide Hâ€Tyrâ€(Gln)3â€Proâ€OH. International Journal of Peptide and Protein Research, 1983, 22, 482-488.	0.1	2
238	IDENTIFICATION OF Hb VILLEJUIF [Î²123(H1)Thrâ†'Ile] IN SOUTHERN ITALY. Hemoglobin, 2001, 25, 67-78.	0.4	1
239	Hb J-CAPE TOWN [Î±92(FG4)Argâ†'Gln (Î±1), CGGâ†'CAG] in Southern Italy Found in a Patient with Erythrocytosis. Hemoglobin, 2007, 31, 113-120.	0.4	1
240	The side chain of glutamine 13 is the acyl-donor amino acid modified by type 2 transglutaminase in subunit T of the native rabbit skeletal muscle troponin complex. Amino Acids, 2013, 44, 227-234.	1.2	1
241	Hb Vanvitelli: A new unstable Î±-globin chain variant causes undiagnosed chronic haemolytic anaemia when co-inherited with deletionâ€¯â^'â€¯Î±3.7.. Clinical Biochemistry, 2019, 74, 80-85.	0.8	1
242	Hemoglobin Yamagata [Î²132(H10)Lysâ†'Asn; (HBB: c.399A>T)]: a mosaic to be put together. Clinical Chemistry and Laboratory Medicine, 2021, 59, 1670-1679.	1.4	1
243	Structural Studies of the Complex Between Decapeptide Inhibitors and the Serine Protease NS3/4A of Hepatitis C Virus. , 2001, , 545-546.		0
244	Fyn Specifically Regulates the Activity of Red Cell Glucose-6-Phosphate-Dehydrogenase. Blood, 2019, 134, 3527-3527.	0.6	0