Armando Negri

List of Publications by Year
in descending order

77 papers	2,308 citations	159585 30 h-index	233421 45 g-index
77 all docs	77 docs citations	77 times ranked	2493 citing authors

#	Article	IF	Citations
1	Protein HU binds specifically to kinked DNA. Molecular Microbiology, 1993, 7, 343-350.	2.5	187
2	Structural studies on the interaction between ferredoxin and ferredoxin-NADP+ reductase. Biochemistry, 1988, 27, 3753-3759.	2.5	97
3	Conversion of nanoscale topographical information of cluster-assembled zirconia surfaces into mechanotransductive events promotes neuronal differentiation. Journal of Nanobiotechnology, 2016, 14, 18.	9.1	95
4	Structure ofL-aspartate oxidase: implications for the succinate dehydrogenase/fumarate reductase oxidoreductase family. Structure, 1999, 7, 745-756.	3.3	90
5	Proteomic analysis of the secretome of human bone marrow-derived mesenchymal stem cells primed by pro-inflammatory cytokines. Journal of Proteomics, 2017, 166, 115-126.	2.4	80
6	Isolation of the epithiospecifier protein from oil-rape (Brassica napusssp.oleifera) seed and its characterization. FEBS Letters, 2000, 467, 296-298.	2.8	73
7	Structure of FAD-Bound l-Aspartate Oxidase:â€‰ Insight into Substrate Specificity and Catalysis,. Biochemistry, 2002, 41, 3018-3024.	2.5	67
8	Preincubation with cysteine prevents modification of sulfhydryl groups in proteins by unreacted acrylamide in a gel. Electrophoresis, 1992, 13, 882-884.	2.4	64
9	Nitric oxide synthase mediates PC12 differentiation induced by the surface topography of nanostructured TiO2. Journal of Nanobiotechnology, 2013, 11, 35.	9.1	59
10	Biochemical and Crystallographic Characterization of Ferredoxinâ^'NADP+Reductase from Nonphotosynthetic Tissuesâ€,â€¡. Biochemistry, 2001, 40, 14501-14508.	2.5	58
11	In search of sustainable chemical processes: cloning, recombinant expression, and functional characterization of the 7Î±- and 7Î²-hydroxysteroid dehydrogenases from Clostridium absonum. Applied Microbiology and Biotechnology, 2012, 95, 1221-1233.	3.6	58
12	The primary structure of UK 114 tumor antigen. FEBS Letters, 1996, 393, 147-150.	2.8	56
13	l-Aspartate Oxidase from Escherichia coli. II. Interaction with C4 Dicarboxylic Acids and Identification of a Novel l-Aspartate:Fumarate Oxidoreductase Activity. FEBS Journal, 1996, 239, 427-433.	0.2	53
14	Characterization of nitroproteome in neuron-like PC12 cells differentiated with nerve growth factor: Identification of two nitration sites in Î±-tubulin. Proteomics, 2005, 5, 2422-2432.	2.2	49
15	Identification and characterization of a Bowmanâ€“Birk inhibitor active towards trypsin but not chymotrypsin in Lupinus albus seeds. Phytochemistry, 2008, 69, 1820-1825.	2.9	49
16	L-Aspartate Oxidase from Escherichia coli. I. Characterization of Coenzyme Binding and Product Inhibition. FEBS Journal, 1996, 239, 418-426.	0.2	44
17	cDNA cloning and expression of the flavoprotein d-aspartate oxidase from bovine kidney cortex. Biochemical Journal, 1997, 322, 729-735.	3.7	44
18	C5a fragment of bovine complement. Purification, bioassays, amino-acid sequence and other structural studies. FEBS Journal, 1986, 155, 77-86.	0.2	43

#	Article	IF	Citations
19	Properties of the flavoenzyme d-aspartate oxidase from Octopus vulgaris. BBA - Proteins and Proteomics, 1994, 1207, 217-222.	2.1	42
20	Heatâ€induced synthesis and tunicamycinâ€sensitive secretion of the putative storage glycoprotein conglutin Î³ from mature lupin seeds. FEBS Journal, 1994, 222, 387-393.	0.2	42
21	Two-dimensional polyacrylamide gel electrophoresis map of bull seminal plasma proteins. Electrophoresis, 1998, 19, 797-801.	2.4	39
22	Characterization of <scp>l</scp>â€aspartate oxidase and quinolinate synthase from Bacillusâ€ƒsubtilis. FEBS Journal, 2008, 275, 5090-5107.	4.7	39
23	Proteomic Dissection of Nanotopography-Sensitive Mechanotransductive Signaling Hubs that Foster Neuronal Differentiation in PC12 Cells. Frontiers in Cellular Neuroscience, 2017, 11, 417.	3.7	39
24	Probing the Active Site ofl-Aspartate Oxidase by Site-Directed Mutagenesis: Role of Basic Residues in Fumarate Reductionâ€. Biochemistry, 2001, 40, 4738-4744.	2.5	38
25	Characterization of cell wall associated proteins of a Staphylococcus aureus isolated from bovine mastitis case by a proteomic approach. Veterinary Microbiology, 2007, 119, 240-247.	1.9	38
26	Synthesis of Multifunctional PAMAMâ€“Aminoglycoside Conjugates with Enhanced Transfection Efficiency. Bioconjugate Chemistry, 2013, 24, 1928-1936.	3.6	38
27	Inhibitory properties and solution structure of a potent Bowman-Birk protease inhibitor from lentil (Lens culinaris, L) seeds. FEBS Journal, 2006, 273, 4024-4039.	4.7	37
28	Cluster-assembled zirconia substrates promote long-term differentiation and functioning of human islets of Langerhans. Scientific Reports, 2018, 8, 9979.	3.3	37
29	Purification of beef kidney d-aspartate oxidase overexpressed in Escherichia coli and characterization of its redox potentials and oxidative activity towards agonists and antagonists of excitatory amino acid receptors. BBA - Proteins and Proteomics, 1999, 1431, 212-222.	2.1	35
30	Sperm ubiquitination in epididymal feline semen. Theriogenology, 2014, 82, 636-642.	2.1	31
31	Peptidomic Analysis of Rat Plasma. Shock, 2016, 45, 540-554.	2.1	31
32	Effect of fetal bovine serum in culture media on MS analysis of mesenchymal stromal cells secretome. EuPA Open Proteomics, 2016, 10, 28-30.	2.5	29
33	The nitration of Ï„ protein in neurone-like PC12 cells. FEBS Letters, 2004, 562, 35-39.	2.8	27
34	Subtle reproductive impairment through nitric oxide-mediated mechanisms in sea urchins from an area affected by harmful algal blooms. Scientific Reports, 2016, 6, 26086.	3.3	27
35	Purification and primary structure of a new bovine spermadhesin. FEBS Journal, 2000, 267, 6175-6179.	0.2	26
36	Protein pattern ofXenopus laevisembryos grown in simulated microgravity. Cell Biology International, 2011, 35, 249-258.	3.0	24

#	Article	IF	Citations
37	Serological proteome analysis of Staphylococcus aureus isolated from sub-clinical mastitis. Veterinary Microbiology, 2009, 134, 388-391.	1.9	23
38	Tyrosine Nitration is a Novel Post-translational Modification Occurring on the Neural Intermediate Filament Protein Peripherin. Neurochemical Research, 2007, 32, 433-441.	3.3	22
39	Redox Potentials and Quinone Reductase Activity of l-Aspartate Oxidase from Escherichia coli. Biochemistry, 1997, 36, 16221-16230.	2.5	21
40	Structural characterization of l-aspartate oxidase and identification of an interdomain loop by limited proteolysis. FEBS Journal, 1999, 260, 896-903.	0.2	18
41	High-performance liquid chromatographic determination of taurine in formulations as the dansyl derivative. Journal of Chromatography A, 1986, 369, 431-434.	3.7	17
42	Structural studies on the subunits of glutamate synthase from Azospirillum brasilense. BBA - Proteins and Proteomics, 1990, 1039, 374-377.	2.1	17
43	Amino-acid sequences of the alpha- and beta-subunits of hemerythrin from Lingula reevii. BBA - Proteins and Proteomics, 1994, 1208, 277-285.	2.1	17
44	Proteomic profile of maternal-aged blastocoel fluid suggests a novel role for ubiquitin system in blastocyst quality. Journal of Assisted Reproduction and Genetics, 2017, 34, 225-238.	2.5	17
45	Protein nitration as footprint of oxidative stress-related nitric oxide signaling pathways in developing Ciona intestinalis. Nitric Oxide - Biology and Chemistry, 2012, 27, 18-24.	2.7	16
46	Tau is Endogenously Nitrated in Mouse Brain: Identification of a Tyrosine Residue Modified InÂvivo by NO. Neurochemical Research, 2008, 33, 518-525.	3.3	14
47	Proteomic Analysis Reveals a Mitochondrial Remodeling of Î²TC3 Cells in Response to Nanotopography. Frontiers in Cell and Developmental Biology, 2020, 8, 508.	3.7	14
48	Phenylglyoxal modification of arginines in mammalian D-amino-acid oxidase. FEBS Journal, 1987, 167, 261-267.	0.2	13
49	On the catalytic role of the active site residue E121 of E. coli l-aspartate oxidase. Biochimie, 2010, 92, 1335-1342.	2.6	13
50	Gas chromatographic analysis of neutral monosaccharides as their O-pentafluorobenzyloxime acetates. Journal of Chromatography A, 1987, 411, 275-284.	3.7	12
51	Oxidation of cysteine to cysteic acid in proteins by peroxyacids, as monitored by immobilized pH gradients. Electrophoresis, 1991, 12, 376-377.	2.4	12
52	Assays of d-Amino Acid Oxidases. Methods in Molecular Biology, 2012, 794, 381-395.	0.9	12
53	The amino terminal sequence of the developmentally regulated Ch21 protein shows homology with amino terminal sequences of low molecular weight proteins binding hydrophobic molecules. Biochemical and Biophysical Research Communications, 1990, 168, 933-938.	2.1	11
54	Aldose reductase is involved in long-term adaptation of EUE cells to hyperosmotic stress. Biochimica Et Biophysica Acta - Molecular Cell Research, 1993, 1175, 283-288.	4.1	11

#	Article	IF	Citations
55	Purification and characterization of an iron superoxide dismutase from the nitrogen-fixingAzotobacter vinelandii. FEBS Letters, 1995, 357, 79-82.	2.8	11
56	Myohemerythrin from the sipunculid, Phascolopsis gouldii: purification, properties and amino acid sequence. BBA - Proteins and Proteomics, 1992, 1122, 136-142.	2.1	10
57	The unexpected structural role of glutamate synthase [4Feâ€“4S]+1,+2 clusters as demonstrated by site-directed mutagenesis of conserved C residues at the N-terminus of the enzyme Î² subunit. Archives of Biochemistry and Biophysics, 2005, 436, 355-366.	3.0	10
58	Biochemical and Functional Characterization of an Albumin Protein Belonging to the Hemopexin Superfamily from Lens culinaris Seeds. Journal of Agricultural and Food Chemistry, 2011, 59, 9637-9644.	5.2	10
59	High-Resolution Mass Spectrometry-Based Approaches for the Detection and Quantification of Peptidase Activity in Plasma. Molecules, 2020, 25, 4071.	3.8	10
60	Interdomain Loops and Conformational Changes of Glutamate Synthase as Detected by Limited Proteolysis. FEBS Journal, 1994, 226, 505-515.	0.2	9
61	An 8.5-kDa ribonuclease from the extreme thermophilic archaebacteriumSulfolobus solfataricus. FEBS Letters, 1995, 360, 187-190.	2.8	9
62	Gas chromatographic determination of glycoprotein amino sugars as O-pentafluorobenzyloxime acetates. Journal of Chromatography A, 1989, 467, 315-320.	3.7	8
63	Chemical modification of functional arginyl residues in beef kidney d-Aspartate oxidase. FEBS Journal, 1992, 205, 127-132.	0.2	8
64	d-aspartate oxidase is present in ovaries, eggs and embryos but not in testis of Xenopus laevis. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1999, 124, 489-494.	1.6	8
65	High-performance liquid chromatographic determination of d-amino acid oxidase activity. Biomedical Applications, 1991, 566, 377-382.	1.7	7
66	Prion protein from Xenopus laevis: Overexpression in Escherichia coli of the His-tagged protein and production of polyclonal antibodies. Protein Expression and Purification, 2006, 46, 489-494.	1.3	6
67	Characterization of the Two Unique Human Anti-Flavin Monoclonal Immunoglobulins. FEBS Journal, 1995, 228, 886-893.	0.2	6
68	Xenopus laevis sperm proteins, previously identified as surface proteins with egg coat binding capability, are indeed histone H4, histone H3, and sperm specific protein SP2. The Journal of Experimental Zoology, 1992, 263, 210-214.	1.4	5
69	Identification in Lupin Seed of a Serine-Endopeptidase Activity Cleaving between Twin Arginine Pairs and Causing Limited Proteolysis of Seed Storage Proteins. Molecular Plant, 2012, 5, 1011-1019.	8.3	5
70	Crystallization of L-aspartate oxidase, the first enzyme in the bacterial de novo biosynthesis of NAD. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 549-551.	2.5	4
71	Brain Proteome and Behavioural Analysis in Wild Type, BDNF+/â^' and BDNFâ^'/â^' Adult Zebrafish (Danio) Tj ETQq1 1 0.784314 rgBT /Ov 5606.	4.1	4
72	Improved high-performance liquid chromatographic determination of diamine oxidase activity. Biomedical Applications, 1989, 491, 209-214.	1.7	3

#	Article	IF	Citations
73	Covalent flavinylation of L-aspartate oxidase from Escherichia coli using N6-(6-carboxyhexyl)-FAD succinimidoester. The Protein Journal, 1999, 18, 671-676.	1.1	3
74	A new bioadhesive material from fish parasite Neobenedenia girellae. Journal of Proteomics, 2014, 110, 1-6.	2.4	3
75	Set up of a protocol for rat plasma peptidomics in hemorrhagic shock model in presence of heparin. EuPA Open Proteomics, 2016, 12, 1-3.	2.5	3
76	TWO-DIMENSIONAL PROTEIN MAPS OFXENOPUSEGGS AND EMBRYOS AT DIFFERENT DEVELOPMENTAL STAGES. Cell Biology International, 1998, 22, 517-525.	3.0	1
77	Improved high-performance liquid chromatographic determination of bacterial collagenase activity in ointments. Journal of Chromatography A, 1988, 459, 337-340.	3.7	0