Simona Nonnis

List of Publications by Year in descending order

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37 papers	929 citations	430874 18 h-index	454955 30 g-index
37 all docs	37 docs citations	37 times ranked	1493 citing authors

#	Article	IF	Citations
1	Recognition of RNA Cap in the Wesselsbron Virus NS5 Methyltransferase Domain: Implications for RNA-Capping Mechanisms in Flavivirus. Journal of Molecular Biology, 2009, 385, 140-152.	4.2	78
2	Scale Invariant Disordered Nanotopography Promotes Hippocampal Neuron Development and Maturation with Involvement of Mechanotransductive Pathways. Frontiers in Cellular Neuroscience, 2016, 10, 267.	3.7	64
3	Nitric oxide synthase mediates PC12 differentiation induced by the surface topography of nanostructured TiO2. Journal of Nanobiotechnology, 2013, 11, 35.	9.1	59
4	Snf1 Phosphorylates Adenylate Cyclase and Negatively Regulates Protein Kinase A-dependent Transcription in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2015, 290, 24715-24726.	3.4	59
5	Study of subcellular localization and proteolysis of ataxin-3. Neurobiology of Disease, 2008, 30, 190-200.	4.4	53
6	Living in future ocean acidification, physiological adaptive responses of the immune system of sea urchins resident at a CO2 vent system. Science of the Total Environment, 2019, 672, 938-950.	8.0	53
7	NEU3 activity enhances EGFR activation without affecting EGFR expression and acts on its sialylation levels. Glycobiology, 2015, 25, 855-868.	2.5	48
8	The CK2 phosphorylation of catalytic domain of Cdc34 modulates its activity at the G₁to S transition inSaccharomyces cerevisiae. Cell Cycle, 2008, 7, 1391-1401.	2.6	44
9	Characterization of <scp>l</scp>â€aspartate oxidase and quinolinate synthase from Bacillusâ€ƒsubtilis. FEBS Journal, 2008, 275, 5090-5107.	4.7	39
10	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
11	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
12	Cluster-assembled zirconia substrates promote long-term differentiation and functioning of human islets of Langerhans. Scientific Reports, 2018, 8, 9979.	3.3	37
13	Sperm ubiquitination in epididymal feline semen. Theriogenology, 2014, 82, 636-642.	2.1	31
14	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
15	The nitration of Ï„ protein in neurone-like PC12 cells. FEBS Letters, 2004, 562, 35-39.	2.8	27
16	Protein pattern ofXenopus laevisembryos grown in simulated microgravity. Cell Biology International, 2011, 35, 249-258.	3.0	24
17	Serological proteome analysis of Staphylococcus aureus isolated from sub-clinical mastitis. Veterinary Microbiology, 2009, 134, 388-391.	1.9	23
18	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

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19	CK2 and GSK3 phosphorylation on S29 controls wild-type ATXN3 nuclear uptake. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 583-592.	3.8	18
20	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
21	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
22	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
23	On the catalytic role of the active site residue E121 of E. coli l-aspartate oxidase. Biochimie, 2010, 92, 1335-1342.	2.6	13
24	Methionine Supplementation Affects Metabolism and Reduces Tumor Aggressiveness in Liver Cancer Cells. Cells, 2020, 9, 2491.	4.1	11
25	Glycosylation Tunes Neuroserpin Physiological and Pathological Properties. International Journal of Molecular Sciences, 2020, 21, 3235.	4.1	11
26	High-Resolution Mass Spectrometry-Based Approaches for the Detection and Quantification of Peptidase Activity in Plasma. Molecules, 2020, 25, 4071.	3.8	10
27	Protective effect of <i>Vigna unguiculata</i> extract against aging and neurodegeneration. Aging, 2020, 12, 19785-19808.	3.1	9
28	Effectiveness of Vigna unguiculata seed extracts in preventing colorectal cancer. Food and Function, 2020, 11, 5853-5865.	4.6	8
29	Ovothiol ensures the correct developmental programme of the sea urchin Paracentrotus lividus embryo. Open Biology, 2022, 12, 210262.	3.6	8
30	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
31	Multi-omic analyses in Abyssinian cats with primary renal amyloid deposits. Scientific Reports, 2021, 11, 8339.	3.3	6
32	Protein nitration is specifically associated with melanin production and reveals redox imbalance as a new correlate of cell maturation in the ink gland of Sepia officinalis. Pigment Cell and Melanoma Research, 2009, 22, 857-859.	3.3	4
33	Molecular response of Sargassum vulgare to acidification at volcanic <scp>CO₂</scp> vents: Insights from proteomic and metabolite analyses. Molecular Ecology, 2022, 31, 3844-3858.	3.9	4
34	Brain Proteome and Behavioural Analysis in Wild Type, BDNF+/â^' and BDNFâ^'/â^' Adult Zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 1 5606.	4.1	4
35	A new bioadhesive material from fish parasite Neobenedenia girellae. Journal of Proteomics, 2014, 110, 1-6.	2.4	3
36	Proteomic/peptidomic profile and Escherichia coli growth inhibitory effect of in vitro digested soya protein. Italian Journal of Animal Science, 2021, 20, 1462-1467.	1.9	1

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37	A Wide-Proteome Analysis to Identify Molecular Pathways Involved in Kidney Response to High-Fat Diet in Mice. International Journal of Molecular Sciences, 2022, 23, 3809.	4.1	1