Anna Maria Timperio

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91 papers	2,260 citations	25 h-index	44 g-index
102 ext. papers	2,574 ext. citations	4.1 avg, IF	4.65 L-index

#	Paper	IF	Citations
91	Proteomics applied on plant abiotic stresses: role of heat shock proteins (HSP). *Journal of Proteomics*, **2008**, 71, 391-411	3.9	350
90	High-performance liquid chromatography-electrospray ionization mass spectrometry using monolithic capillary columns for proteomic studies. *Analytical Chemistry*, **2001**, 73, 2390-6	7.8	194
89	Proteomics, pigment composition, and organization of thylakoid membranes in iron-deficient spinach leaves. *Journal of Experimental Botany*, **2007**, 58, 3695-710	7	90
88	Exploring the platelet proteome via combinatorial, hexapeptide ligand libraries. *Journal of Proteome Research*, **2007**, 6, 4290-303	5.6	79
87	Proteomic analysis of multiprotein complexes in the thylakoid membrane upon cadmium treatment. *Journal of Proteome Research*, **2009**, 8, 310-26	5.6	77
86	Cadmium stress responses in Brassica juncea: hints from proteomics and metabolomics. *Journal of Proteome Research*, **2013**, 12, 4979-97	5.6	72
85	Accumulation of overoxidized Peroxiredoxin III in aged rat liver mitochondria. *Biochimica Et Biophysica Acta - Bioenergetics*, **2009**, 1787, 890-6	4.6	51
84	Proteomics and transcriptomics investigation on longissimus muscles in Large White and Casertana pig breeds. *Journal of Proteome Research*, **2010**, 9, 6450-66	5.6	49
83	Proteomics of light-harvesting proteins in different plant species. Analysis and comparison by liquid chromatography-electrospray ionization mass spectrometry. Photosystem II. *Plant Physiology*, **2003** , 131, 198-214	6.6	49
82	Resolution and identification of the protein components of the photosystem II antenna system of higher plants by reversed-phase liquid chromatography with electrospray-mass spectrometric detection. *Journal of Chromatography A*, **2000**, 886, 111-21	4.5	46
81	Multidimensional proteomic analysis of photosynthetic membrane proteins by liquid extraction-ultracentrifugation-liquid chromatography-mass spectrometry. *Proteomics*, **2004**, 4, 3909-20	4.8	44
80	Modulation of the neuronal response to ischaemia by somatostatin analogues in wild-type and knock-out mouse retinas. *Journal of Neurochemistry*, **2008**, 106, 2224-35	6	43
79	Changes in neuronal response to ischemia in retinas with genetic alterations of somatostatin receptor expression. *European Journal of Neuroscience*, **2007**, 25, 1447-59	3.5	41
78	Crosstalk between salicylic acid and jasmonate in Arabidopsis investigated by an integrated proteomic and transcriptomic approach. *Molecular BioSystems*, **2013**, 9, 1169-87		40
77	Proteomics of light-harvesting proteins in different plant species. Analysis and comparison by liquid chromatography-electrospray ionization mass spectrometry. Photosystem I. *Plant Physiology*, **2002**, 130, 1938-50	6.6	39
76	Evaluation of MALDI-TOF mass spectrometry and MALDI BioTyper in comparison to 16S rDNA sequencing for the identification of bacteria isolated from Arctic sea water. *PLoS ONE*, **2017**, 12, e0181860	3.7	37
75	Tartary buckwheat malt as ingredient of gluten-free cookies. *Journal of Cereal Science*, **2018**, 80, 37-43	3.8	37

74	Biomarker discovery and applications for foods and beverages: proteomics to nanoproteomics. *Journal of Proteomics*, **2013**, 93, 74-92	3.9	36
73	Comparative proteomics and transcriptomics analyses of livers from two different Bos taurus breeds: "Chianina and Holstein Friesian". *Journal of Proteomics*, **2009**, 73, 309-22	3.9	35
72	Production of the phytoalexins trans-resveratrol and delta-viniferin in two economy-relevant grape cultivars upon infection with Botrytis cinerea in field conditions. *Plant Physiology and Biochemistry*, **2012**, 50, 65-71	5.4	33
71	Coupling of native liquid phase isoelectrofocusing and blue native polyacrylamide gel electrophoresis: a potent tool for native membrane multiprotein complex separation. *Journal of Proteome Research*, **2008**, 7, 1326-40	5.6	32
70	Isoforms of photosystem II antenna proteins in different plant species revealed by liquid chromatography-electrospray ionization mass spectrometry. *Journal of Biological Chemistry*, **2001**, 276, 45755-61	5.4	29
69	Rat liver mitochondrial proteome: changes associated with aging and acetyl-L-carnitine treatment. *Journal of Proteomics*, **2011**, 74, 2536-47	3.9	26
68	Comparison of milk fat globule membrane (MFGM) proteins of Chianina and Holstein cattle breed milk samples through proteomics methods. *Nutrients*, **2009**, 1, 302-15	6.7	25
67	Chemically enhanced liquid chromatography/tandem mass spectrometry determination of glutamic acid in the diffusion medium of retinal cells. *Biomedical Chromatography*, **2007**, 21, 1069-76	1.7	25
66	Expression and oxidative modifications of plasma proteins in autism spectrum disorders: Interplay between inflammatory response and lipid peroxidation. *Proteomics - Clinical Applications*, **2016**, 10, 1103-1112	3.1	25
65	Proton irradiation: a key to the challenge of N-glycosidic bond formation in a prebiotic context. *Scientific Reports*, **2017**, 7, 14709	4.9	24
64	Assay of ochratoxin A in grape by high-pressure liquid chromatography coupled on line with an ESI-mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2006**, 832, 127-33	3.2	23
63	Proteome and metabolome profiling of wild-type and YCA1-knock-out yeast cells during acetic acid-induced programmed cell death. *Journal of Proteomics*, **2015**, 128, 173-88	3.9	21
62	Identification of a furazolidone metabolite responsible for the inhibition of amino oxidases. *Xenobiotica*, **2003**, 33, 153-67	2	21
61	High performance liquid chromatography-electrospray mass spectrometry for the simultaneous resolution and identification of intrinsic thylakoid membrane proteins. *Proteins: Structure, Function and Bioinformatics*, **2000**, 41, 398-406	4.2	21
60	Murine macrophages response to iron. *Journal of Proteomics*, **2012**, 76 Spec No., 10-27	3.9	20
59	Induction of apoptosis in Jeko-1 mantle cell lymphoma cell line by resveratrol: a proteomic analysis. *Journal of Proteome Research*, **2008**, 7, 2670-80	5.6	19
58	Clinical metabolomics: the next stage of clinical biochemistry. *Blood Transfusion*, **2012**, 10 Suppl 2, s19-24	3.6	19
57	Vascular endothelial growth factor up-regulation in the mouse hippocampus and its role in the control of epileptiform activity. *European Journal of Neuroscience*, **2011**, 33, 482-98	3.5	18

56	Characterization of a variant of the spinach PSII type I light-harvesting protein using kinetically controlled digestion and RP-HPLC-ESI-MS. *Analytical Chemistry*, **2003**, 75, 6775-80	7.8	17
55	Analysis of TAp73-dependent signaling via omics technologies. *Journal of Proteome Research*, **2013**, 12, 4207-20	5.6	16
54	Proteomic analysis of photosystem I components from different plant species. *Proteomics*, **2007**, 7, 1866-76	4.6	16
53	Isolation and characterization of chloroplast Photosystem II antenna of spinach by reversed-phase liquid chromatography. *Photosynthesis Research*, **1999**, 61, 281-290	3.7	16
52	Systems biology: a new tool for farm animal science. *Current Protein and Peptide Science*, **2014**, 15, 100-17	7.8	16
51	Multidisciplinary characterization of melanin pigments from the black fungus Cryomyces antarcticus. *Applied Microbiology and Biotechnology*, **2020**, 104, 6385-6395	5.7	16
50	Random amplified polymorphic DNA (RAPD) interpretation requires a sensitive method for the detection of amplified DNA. *Electrophoresis*, **1996**, 17, 1553-4	3.6	15
49	Docosohaexanoic acid-supplemented PACA44 cell lines and over-activation of Krebs cycle: an integrated proteomic, metabolomic and interactomic overview. *Journal of Proteomics*, **2011**, 74, 2138-58	3.9	14
48	Recombinant clotting factor VIII concentrates: Heterogeneity and high-purity evaluation. *Electrophoresis*, **2010**, 31, 2730-9	3.6	14
47	Involvement of active oxygen species in protein and oligonucleotide degradation induced by nitrofurans. *Biochemistry and Cell Biology*, **2005**, 83, 166-75	3.6	14
46	Female urinary proteomics: New insight into exogenous and physiological hormone-dependent changes. *Proteomics - Clinical Applications*, **2011**, 5, 343-53	3.1	13
45	Rapid resolution by reversed-phase high-performance liquid chromatography of the thylakoid membrane proteins of the photosystem II light-harvesting complex. *Journal of Chromatography A*, **1997**, 779, 131-138	4.5	13
44	Separation and identification of the light harvesting proteins contained in grana and stroma thylakoid membrane fractions. *Journal of Chromatography A*, **2004**, 1040, 73-81	4.5	13
43	Intact mass measurements for unequivocal identification of hydrophobic photosynthetic photosystems I and II antenna proteins. *Electrophoresis*, **2004**, 25, 1353-66	3.6	13
42	Nonenzymatic Oligomerization of 3′,5′-Cyclic CMP Induced by Proton and UV Irradiation Hints at a Nonfastidious Origin of RNA. *ChemBioChem*, **2017**, 18, 1535-1543	3.8	12
41	Persistent Unresolved Inflammation in the -308 Female Mutated Mouse Model of Rett Syndrome. *Mediators of Inflammation*, **2017**, 2017, 9467819	4.3	12
40	A proteomic approach for evaluating the cell response to a novel histone deacetylase inhibitor in colon cancer cells. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2008**, 1784, 1702-10	4	12
39	Proteomic and metabolic profiles of Cakile maritima Scop. Sea Rocket grown in the presence of cadmium. *Molecular BioSystems*, **2015**, 11, 1096-109		11

38	Hsp10 nuclear localization and changes in lung cells response to cigarette smoke suggest novel roles for this chaperonin. *Open Biology*, **2014**, 4,	7	11
37	Functional effects of somatostatin receptor 1 activation on synaptic transmission in the mouse hippocampus. *Journal of Neurochemistry*, **2009**, 111, 1466-77	6	11
36	Investigation of the lateral light-induced migration of photosystem II light-harvesting proteins by nano-high performance liquid chromatography electrospray ionization mass spectrometry. *Journal of Biological Chemistry*, **2005**, 280, 28858-66	5.4	11
35	Proteomic analysis of the Rett syndrome experimental model mecp2 mutant zebrafish. *Journal of Proteomics*, **2017**, 154, 128-133	3.9	10
34	Identification of moesin as NKCC2-interacting protein and analysis of its functional role in the NKCC2 apical trafficking. *Biology of the Cell*, **2012**, 104, 658-76	3.5	10
33	Capillary electrophoresis of closely related intrinsic thylakoid membrane proteins of the photosystem II light-harvesting complex (LHC II). *Electrophoresis*, **1996**, 17, 1597-601	3.6	10
32	Non-Enzymatic Oligomerization of 3R,5RCyclic AMP. *PLoS ONE*, **2016**, 11, e0165723	3.7	10
31	GLYI4 Plays A Role in Methylglyoxal Detoxification and Jasmonate-Mediated Stress Responses in. *Biomolecules*, **2019**, 9,	5.9	9
30	Hydrazide derivatives produce active oxygen species as hydrazine. *Bioorganic Chemistry*, **2005**, 33, 459-69	3.1	9
29	The mitochondrial Italian Human Proteome Project initiative (mt-HPP). *Molecular BioSystems*, **2013**, 9, 1984-92		8
28	High resolution preparation of monocyte-derived macrophages (MDM) protein fractions for clinical proteomics. *Proteome Science*, **2009**, 7, 4	2.6	8
27	Specific adaptations are selected in opposite sun exposed Antarctic cryptoendolithic communities as revealed by untargeted metabolomics. *PLoS ONE*, **2020**, 15, e0233805	3.7	7
26	Analysis of the mitochondrial proteome of cybrid cells harbouring a truncative mitochondrial DNA mutation in respiratory complex I. *Molecular BioSystems*, **2014**, 10, 1313-9		7
25	Acclimation to intense light implies changes at the level of trimeric subunits involved in the structural organization of the main light-harvesting complex of photosystem II (LHCII) and their isoforms. *Plant Physiology and Biochemistry*, **2012**, 50, 8-14	5.4	7
24	Erectile dysfunction and diabetes: Association with the impairment of lipid metabolism and oxidative stress. *Clinical Biochemistry*, **2016**, 49, 70-8	3.5	6
23	Unraveling the seed endosperm proteome of the lotus (Nelumbo nucifera Gaertn.) utilizing 1DE and 2DE separation in conjunction with tandem mass spectrometry. *Proteomics*, **2015**, 15, 1717-35	4.8	6
22	Differential proteome-metabolome profiling of YCA1-knock-out and wild type cells reveals novel metabolic pathways and cellular processes dependent on the yeast metacaspase. *Molecular BioSystems*, **2015**, 11, 1573-83		6
21	A monoclonal antibody for the CD45 receptor in the teleost fish Dicentrarchus labrax. *Developmental and Comparative Immunology*, **2012**, 37, 342-53	3.2	6

20	Na+/K+-ATPase β1-subunit is recruited in Na-K-2Cl co-transporter isoform 2 multiprotein complexes in rat kidneys: possible role in blood pressure regulation. *Journal of Hypertension*, **2014**, 32, 1842-53	1.9	5
19	Metal binding to Pseudomonas aeruginosa azurin: a kinetic investigation. *Zeitschrift Fur Naturforschung - Section C Journal of Biosciences*, **2000**, 55, 347-54	1.7	5
18	PGE2 Released by Pancreatic Cancer Cells Undergoing ER Stress Transfers the Stress to DCs Impairing Their Immune Function. *Molecular Cancer Therapeutics*, **2021**, 20, 934-945	6.1	5
17	Analysis of the cattle liver proteome by high-sensitive liquid chromatography coupled with mass spectrometry method. *Methods in Molecular Biology*, **2012**, 909, 43-62	1.4	4
16	Fibroblasts from PS1 mutated pre-symptomatic subjects and Alzheimer's disease patients share a unique protein levels profile. *Journal of Alzheimer's Disease*, **2010**, 21, 431-44	4.3	4
15	Meteorite-Assisted Phosphorylation of Adenosine Under Proton Irradiation Conditions. *ChemSystemsChem*, **2020**, 2, e1900039	3.1	4
14	Detection and Comparison of Bioactive Compounds in Different Extracts of Two Hazelnut Skin Varieties, Tonda Gentile Romana and Tonda Di Giffoni, Using a Metabolomics Approach. *Metabolites*, **2021**, 11,	5.6	4
13	Brain protein changes in Mecp2 mouse mutant models: Effects on disease progression of Mecp2 brain specific gene reactivation. *Journal of Proteomics*, **2020**, 210, 103537	3.9	4
12	Comparative proteomic analysis of hemocyanins in Dinocras cephalotes and Perla marginata (Plecoptera). *Environmental Entomology*, **2011**, 40, 167-71	2.1	3
11	Separation and identification of photosynthetic antenna membrane proteins by high- performance liquid chromatography electrospray ionization mass spectrometry. *European Journal of Mass Spectrometry*, **2004**, 10, 321-33	1.1	3
10	Liquid-chromatography-mass spectrometry of thylakoid membrane proteins. *Methods in Molecular Biology*, **2009**, 492, 113-30	1.4	3
9	Red Blood Cell Lipidomics analysis through HPLC-ESI-qTOF: application to red blood cell storage. *Journal of Integrated OMICS*, **2013**, 3,	0.5	2
8	Metabolic responses in opposite sun-exposed Antarctic cryptoendolithic communities		2
7	Urine Metabolome during Parturition. *Metabolites*, **2020**, 10,	5.6	2
6	Combinatorial peptide ligand libraries to discover liver disease biomarkers in plasma samples. *Methods in Molecular Biology*, **2012**, 909, 311-9	1.4	1
5	Fingerprinting of Antenna Proteins of Photosystem I by Reversed Phase High Performance Liquid Chromatography. *Chromatographia*, **2005**, 61, 1-7	2.1	1
4	Comparison among plasma-derived clotting factor VIII by using monodimensional gel electrophoresis and mass spectrometry. *Blood Transfusion*, **2010**, 8 Suppl 3, s98-104	3.6	1
3	Docosahexaenoic Acid Reverted the All- Retinoic Acid-Induced Cellular Proliferation of T24 Bladder Cancer Cell Line. *Journal of Clinical Medicine*, **2020**, 9,	5.1	1

2	The Potential of Lisosan G as a Possible Treatment for Glaucoma. *Frontiers in Pharmacology*, **2021**, 12, 719951	5.6	1
1	From Targeted Quantification to Untargeted Metabolomics		1