

# Anna Maria Timperio

## List of Publications by Year in descending order

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99  
papers

2,824  
citations

201385

27  
h-index

197535

49  
g-index

102  
all docs

102  
docs citations

102  
times ranked

4169  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteomics applied on plant abiotic stresses: Role of heat shock proteins (HSP). Journal of Proteomics, 2008, 71, 391-411.	1.2	453
2	High-Performance Liquid Chromatography-Electrospray Ionization Mass Spectrometry Using Monolithic Capillary Columns for Proteomic Studies. Analytical Chemistry, 2001, 73, 2390-2396.	3.2	206
3	Proteomics, pigment composition, and organization of thylakoid membranes in iron-deficient spinach leaves. Journal of Experimental Botany, 2007, 58, 3695-3710.	2.4	107
4	Cadmium Stress Responses in <i>Brassica juncea</i> : Hints from Proteomics and Metabolomics. Journal of Proteome Research, 2013, 12, 4979-4997.	1.8	90
5	Exploring the Platelet Proteome via Combinatorial, Hexapeptide Ligand Libraries. Journal of Proteome Research, 2007, 6, 4290-4303.	1.8	89
6	Proteomic Analysis of Multiprotein Complexes in the Thylakoid Membrane upon Cadmium Treatment. Journal of Proteome Research, 2009, 8, 310-326.	1.8	83
7	Crosstalk between salicylic acid and jasmonate in Arabidopsis investigated by an integrated proteomic and transcriptomic approach. Molecular BioSystems, 2013, 9, 1169.	2.9	68
8	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.	2.3	65
9	Tartary buckwheat malt as ingredient of gluten-free cookies. Journal of Cereal Science, 2018, 80, 37-43.	1.8	59
10	Accumulation of overoxidized Peroxiredoxin III in aged rat liver mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 890-896.	0.5	58
11	Proteomics and Transcriptomics Investigation on <i>longissimus</i> Muscles in Large White and Casertana Pig Breeds. Journal of Proteome Research, 2010, 9, 6450-6466.	1.8	58
12	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, 111-121.	1.8	53
13	Biomarker discovery and applications for foods and beverages: Proteomics to nanoproteomics. Journal of Proteomics, 2013, 93, 74-92.	1.2	49
14	Multidimensional proteomic analysis of photosynthetic membrane proteins by liquid extraction-ultracentrifugation-liquid chromatography-mass spectrometry. Proteomics, 2004, 4, 3909-3920.	1.3	48
15	Changes in neuronal response to ischemia in retinas with genetic alterations of somatostatin receptor expression. European Journal of Neuroscience, 2007, 25, 1447-1459.	1.2	44
16	Modulation of the neuronal response to ischaemia by somatostatin analogues in wild-type and knock-out mouse retinas. Journal of Neurochemistry, 2008, 106, 2224-2235.	2.1	44
17	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.	1.1	44
18	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, 1938-1950.	2.3	43

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19	Production of the phytoalexins trans-resveratrol and delta-viniferin in two economy-relevant grape cultivars upon infection with <i>Botrytis cinerea</i> in field conditions. <i>Plant Physiology and Biochemistry</i> , 2012, 50, 65-71.	2.8	42
20	Comparative proteomics and transcriptomics analyses of livers from two different <i>Bos taurus</i> breeds: "Chianina and Holstein Friesian". <i>Journal of Proteomics</i> , 2009, 73, 309-322.	1.2	39
21	Coupling of Native Liquid Phase Isoelectrofocusing and Blue Native Polyacrylamide Gel Electrophoresis: A Potent Tool for Native Membrane Multiprotein Complex Separation. <i>Journal of Proteome Research</i> , 2008, 7, 1326-1340.	1.8	36
22	Isoforms of Photosystem II Antenna Proteins in Different Plant Species Revealed by Liquid Chromatography-Electrospray Ionization Mass Spectrometry. <i>Journal of Biological Chemistry</i> , 2001, 276, 45755-45761.	1.6	35
23	Proton irradiation: a key to the challenge of N-glycosidic bond formation in a prebiotic context. <i>Scientific Reports</i> , 2017, 7, 14709.	1.6	35
24	Expression and oxidative modifications of plasma proteins in autism spectrum disorders: Interplay between inflammatory response and lipid peroxidation. <i>Proteomics - Clinical Applications</i> , 2016, 10, 1103-1112.	0.8	33
25	Multidisciplinary characterization of melanin pigments from the black fungus <i>Cryomyces antarcticus</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 6385-6395.	1.7	33
26	Chemically enhanced liquid chromatography/tandem mass spectrometry determination of glutamic acid in the diffusion medium of retinal cells. <i>Biomedical Chromatography</i> , 2007, 21, 1069-1076.	0.8	29
27	Comparison of Milk Fat Globule Membrane (MFGM) Proteins of Chianina and Holstein Cattle Breed Milk Samples Through Proteomics Methods. <i>Nutrients</i> , 2009, 1, 302-315.	1.7	28
28	Rat liver mitochondrial proteome: Changes associated with aging and acetyl-L-carnitine treatment. <i>Journal of Proteomics</i> , 2011, 74, 2536-2547.	1.2	28
29	Proteome and metabolome profiling of wild-type and YCA1 -knock-out yeast cells during acetic acid-induced programmed cell death. <i>Journal of Proteomics</i> , 2015, 128, 173-188.	1.2	27
30	High performance liquid chromatography-electrospray mass spectrometry for the simultaneous resolution and identification of intrinsic thylakoid membrane proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2000, 41, 398-406.	1.5	26
31	Clinical metabolomics: the next stage of clinical biochemistry. <i>Blood Transfusion</i> , 2012, 10 Suppl 2, s19-24.	0.3	26
32	Assay of ochratoxin A in grape by high-pressure liquid chromatography coupled on line with an ESI" mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 832, 127-133.	1.2	24
33	Identification of a furazolidone metabolite responsible for the inhibition of amino oxidases. <i>Xenobiotica</i> , 2003, 33, 153-167.	0.5	23
34	Murine macrophages response to iron. <i>Journal of Proteomics</i> , 2012, 76, 10-27.	1.2	23
35	Induction of Apoptosis in Jeko-1 Mantle Cell Lymphoma Cell Line by Resveratrol: A Proteomic Analysis. <i>Journal of Proteome Research</i> , 2008, 7, 2670-2680.	1.8	21
36	Vascular endothelial growth factor up"regulation in the mouse hippocampus and its role in the control of epileptiform activity. <i>European Journal of Neuroscience</i> , 2011, 33, 482-498.	1.2	21

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37	Title is missing!. Photosynthesis Research, 1999, 61, 281-290.	1.6	19
38	Proteomic analysis of photosystem I components from different plant species. Proteomics, 2007, 7, 1866-1876.	1.3	19
39	Non-Enzymatic Oligomerization of 3â€™, 5â€™ Cyclic AMP. PLoS ONE, 2016, 11, e0165723.	1.1	19
40	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, 6775-6780.	3.2	18
41	Recombinant clotting factor VIII concentrates: Heterogeneity and highâ€urity evaluation. Electrophoresis, 2010, 31, 2730-2739.	1.3	18
42	GLY14 Plays A Role in Methylglyoxal Detoxification and Jasmonate-Mediated Stress Responses in Arabidopsis thaliana. Biomolecules, 2019, 9, 635.	1.8	18
43	Persistent Unresolved Inflammation in the <i>Mecp2</i> <sup>-308</sup> Female Mutated Mouse Model of Rett Syndrome. Mediators of Inflammation, 2017, 2017, 1-9.	1.4	17
44	Specific adaptations are selected in opposite sun exposed Antarctic cryptoendolithic communities as revealed by untargeted metabolomics. PLoS ONE, 2020, 15, e0233805.	1.1	17
45	Systems Biology: A New Tool for Farm Animal Science. Current Protein and Peptide Science, 2014, 15, 100-117.	0.7	17
46	Random amplified polymorphic DNA (RAPD) interpretation requires a sensitive method for the detection of amplified DNA. Electrophoresis, 1996, 17, 1553-1554.	1.3	16
47	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.	1.8	16
48	Analysis of TAp73-Dependent Signaling via Omics Technologies. Journal of Proteome Research, 2013, 12, 4207-4220.	1.8	16
49	Proteomic and metabolic profiles of <i>Cakile maritima</i> Scop. Sea Rocket grown in the presence of cadmium. Molecular BioSystems, 2015, 11, 1096-1109.	2.9	16
50	Nonenzymatic Oligomerization of 3â€™,5â€™-Cyclic CMP Induced by Proton and UV Irradiation Hints at a Nonfastidious Origin of RNA. ChemBioChem, 2017, 18, 1535-1543.	1.3	16
51	Separation and identification of the light harvesting proteins contained in grana and stroma thylakoid membrane fractions. Journal of Chromatography A, 2004, 1040, 73-81.	1.8	15
52	Intact mass measurements for unequivocal identification of hydrophobic photosynthetic photosystems I and II antenna proteins. Electrophoresis, 2004, 25, 1353-1366.	1.3	15
53	Involvement of active oxygen species in protein and oligonucleotide degradation induced by nitrofurans. Biochemistry and Cell Biology, 2005, 83, 166-175.	0.9	15
54	Female urinary proteomics: New insight into exogenous and physiological hormoneâ€ependent changes. Proteomics - Clinical Applications, 2011, 5, 343-353.	0.8	15

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55	Proteomic analysis of the Rett syndrome experimental model mecp2Q63X mutant zebrafish. <i>Journal of Proteomics</i> , 2017, 154, 128-133.	1.2	15
56	PGE2 Released by Pancreatic Cancer Cells Undergoing ER Stress Transfers the Stress to DCs Impairing Their Immune Function. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 934-945.	1.9	15
57	Investigation of the Lateral Light-induced Migration of Photosystem II Light-harvesting Proteins by Nano-high Performance Liquid Chromatography Electrospray Ionization Mass Spectrometry. <i>Journal of Biological Chemistry</i> , 2005, 280, 28858-28866.	1.6	14
58	A proteomic approach for evaluating the cell response to a novel histone deacetylase inhibitor in colon cancer cells. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1702-1710.	1.1	14
59	Docosohaexanoic acid-supplemented PACA44 cell lines and over-activation of Krebs cycle: An integrated proteomic, metabolomic and interactomic overview. <i>Journal of Proteomics</i> , 2011, 74, 2138-2158.	1.2	14
60	Hsp10 nuclear localization and changes in lung cells response to cigarette smoke suggest novel roles for this chaperonin. <i>Open Biology</i> , 2014, 4, 140125.	1.5	14
61	Erectile dysfunction and diabetes: Association with the impairment of lipid metabolism and oxidative stress. <i>Clinical Biochemistry</i> , 2016, 49, 70-78.	0.8	14
62	Capillary electrophoresis of closely related intrinsic thylakoid membrane proteins of the photosystem II light-harvesting complex (LHC II). <i>Electrophoresis</i> , 1996, 17, 1597-1601.	1.3	12
63	Functional effects of somatostatin receptor 1 activation on synaptic transmission in the mouse hippocampus. <i>Journal of Neurochemistry</i> , 2009, 111, 1466-1477.	2.1	12
64	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. <i>Metabolites</i> , 2021, 11, 296.	1.3	12
65	Hydrazide derivatives produce active oxygen species as hydrazine. <i>Bioorganic Chemistry</i> , 2005, 33, 459-469.	2.0	10
66	Identification of moesin as NKCC2-interacting protein and analysis of its functional role in the NKCC2 apical trafficking. <i>Biology of the Cell</i> , 2012, 104, 658-676.	0.7	10
67	The Mitochondrial Italian Human Proteome Project Initiative (mt-HPP). <i>Molecular BioSystems</i> , 2013, 9, 1984-92.	2.9	10
68	Meteorite-Assisted Phosphorylation of Adenosine Under Proton Irradiation Conditions. <i>ChemSystemsChem</i> , 2020, 2, e1900039.	1.1	10
69	A monoclonal antibody for the CD45 receptor in the teleost fish <i>Dicentrarchus labrax</i> . <i>Developmental and Comparative Immunology</i> , 2012, 37, 342-353.	1.0	9
70	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. <i>Plant Physiology and Biochemistry</i> , 2012, 50, 8-14.	2.8	9
71	Differential proteome-metabolome profiling of YCA1-knock-out and wild type cells reveals novel metabolic pathways and cellular processes dependent on the yeast metacaspase. <i>Molecular BioSystems</i> , 2015, 11, 1573-1583.	2.9	9
72	Brain protein changes in Mecp2 mouse mutant models: Effects on disease progression of Mecp2 brain specific gene reactivation. <i>Journal of Proteomics</i> , 2020, 210, 103537.	1.2	9

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73	A Metabolic Profiling Analysis Revealed a Primary Metabolism Reprogramming in Arabidopsis gly14 Loss-of-Function Mutant. <i>Plants</i> , 2021, 10, 2464.	1.6	9
74	High resolution preparation of monocyte-derived macrophages (MDM) protein fractions for clinical proteomics. <i>Proteome Science</i> , 2009, 7, 4.	0.7	8
75	Fibroblasts from PS1 Mutated Pre-Symptomatic Subjects and Alzheimer's Disease Patients Share a Unique Protein Levels Profile. <i>Journal of Alzheimer's Disease</i> , 2010, 21, 431-444.	1.2	8
76	Analysis of the mitochondrial proteome of cybrid cells harbouring a truncative mitochondrial DNA mutation in respiratory complex I. <i>Molecular BioSystems</i> , 2014, 10, 1313.	2.9	8
77	Na <sup>+</sup> /K <sup>+</sup> -ATPase $\beta$ 1-subunit is recruited in Na-K-2Cl co-transporter isoform 2 multiprotein complexes in rat kidneys. <i>Journal of Hypertension</i> , 2014, 32, 1842-1853.	0.3	7
78	One medicine "one health" one biology and many proteins: proteomics on the verge of the One Health approach. <i>Molecular BioSystems</i> , 2014, 10, 1226.	2.9	7
79	Unraveling the seed endosperm proteome of the lotus ( <i>Nelumbo nucifera</i> Gaertn.) utilizing 1DE and 2DE separation in conjunction with tandem mass spectrometry. <i>Proteomics</i> , 2015, 15, 1717-1735.	1.3	7
80	From Targeted Quantification to Untargeted Metabolomics. , 0, , .		6
81	Metabolomic Profile of the Fungus <i>Cryomyces antarcticus</i> Under Simulated Martian and Space Conditions as Support for Life-Detection Missions on Mars. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	6
82	Metal Binding to <i>Pseudomonas aeruginosa</i> Azurin: a Kinetic Investigation. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2000, 55, 347-354.	0.6	5
83	Separation and Identification of Photosynthetic Antenna Membrane Proteins by High Performance Liquid Chromatography Electrospray Ionization Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2004, 10, 321-333.	0.5	5
84	Docosahexaenoic Acid Reverted the All-trans Retinoic Acid-Induced Cellular Proliferation of T24 Bladder Cancer Cell Line. <i>Journal of Clinical Medicine</i> , 2020, 9, 2494.	1.0	5
85	Analysis of the Cattle Liver Proteome by High-Sensitive Liquid Chromatography Coupled with Mass Spectrometry Method. , 2012, 909, 43-62.		4
86	Urine Metabolome during Parturition. <i>Metabolites</i> , 2020, 10, 290.	1.3	4
87	Metabolomics of Dry Versus Reanimated Antarctic Lichen-Dominated Endolithic Communities. <i>Life</i> , 2021, 11, 96.	1.1	4
88	The Potential of Lisoan G as a Possible Treatment for Glaucoma. <i>Frontiers in Pharmacology</i> , 2021, 12, 719951.	1.6	4
89	Liquid-Chromatography-Mass Spectrometry of Thylakoid Membrane Proteins. <i>Methods in Molecular Biology</i> , 2009, 492, 113-130.	0.4	4
90	Comparative Proteomic Analysis of Hemocyanins in <i>Dinocras cephalotes</i> and <i>Perla marginata</i> (Plecoptera). <i>Environmental Entomology</i> , 2011, 40, 167-171.	0.7	3

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91	Comparison among plasma-derived clotting factor VIII by using monodimensional gel electrophoresis and mass spectrometry. <i>Blood Transfusion</i> , 2010, 8 Suppl 3, s98-104.	0.3	3
92	Fingerprinting of Antenna Proteins of Photosystem I by Reversed Phase High Performance Liquid Chromatography. <i>Chromatographia</i> , 2005, 61, 1-7.	0.7	2
93	Integrative proteomics: perspective in complex system interpretation. <i>Molecular BioSystems</i> , 2012, 8, 951.	2.9	2
94	Combinatorial Peptide Ligand Libraries to Discover Liver Disease Biomarkers in Plasma Samples. , 2012, 909, 311-319.		2
95	Digital and analogical reality in proteomics investigation. <i>Molecular BioSystems</i> , 2013, 9, 1062.	2.9	2
96	Red Blood Cell Lipidomics analysis through HPLC-ESI-qTOF: application to red blood cell storage. <i>Journal of Integrated OMICS</i> , 2013, 3, .	0.5	2
97	Inductive proteomics and large dataset collections. <i>Molecular BioSystems</i> , 2015, 11, 1485-1486.	2.9	1
98	Proteomics and renaissance: accounts of the V Italian Proteomics Association Congress, Florence 2010. <i>Molecular BioSystems</i> , 2011, 7, 577.	2.9	0
99	Proteomics and transcriptomics investigation on longissimus muscles in Large White and Casertana pig breeds. , 2013, , 298-301.		0