

# 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	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
2	Metabolomics of Dry Versus Reanimated Antarctic Lichen-Dominated Endolithic Communities. <i>Life</i> , 2021, 11, 96.	1.1	4
3	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
4	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
5	The Potential of Lisosan G as a Possible Treatment for Glaucoma. <i>Frontiers in Pharmacology</i> , 2021, 12, 719951.	1.6	4
6	A Metabolic Profiling Analysis Revealed a Primary Metabolism Reprogramming in <i>Arabidopsis glyI4</i> Loss-of-Function Mutant. <i>Plants</i> , 2021, 10, 2464.	1.6	9
7	Brain protein changes in <i>Mecp2</i> mouse mutant models: Effects on disease progression of <i>Mecp2</i> brain specific gene reactivation. <i>Journal of Proteomics</i> , 2020, 210, 103537.	1.2	9
8	Meteorite-Assisted Phosphorylation of Adenosine Under Proton Irradiation Conditions. <i>ChemSystemsChem</i> , 2020, 2, e1900039.	1.1	10
9	Urine Metabolome during Parturition. <i>Metabolites</i> , 2020, 10, 290.	1.3	4
10	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
11	Specific adaptations are selected in opposite sun exposed Antarctic cryptoendolithic communities as revealed by untargeted metabolomics. <i>PLoS ONE</i> , 2020, 15, e0233805.	1.1	17
12	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
13	GLYI4 Plays A Role in Methylglyoxal Detoxification and Jasmonate-Mediated Stress Responses in <i>Arabidopsis thaliana</i> . <i>Biomolecules</i> , 2019, 9, 635.	1.8	18
14	Tartary buckwheat malt as ingredient of gluten-free cookies. <i>Journal of Cereal Science</i> , 2018, 80, 37-43.	1.8	59
15	Proteomic analysis of the Rett syndrome experimental model <i>mecp2Q63X</i> mutant zebrafish. <i>Journal of Proteomics</i> , 2017, 154, 128-133.	1.2	15
16	Nonenzymatic Oligomerization of 3',5'-Cyclic CMP Induced by Proton and UV Irradiation Hints at a Nonfastidious Origin of RNA. <i>ChemBioChem</i> , 2017, 18, 1535-1543.	1.3	16
17	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
18	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. <i>PLoS ONE</i> , 2017, 12, e0181860.	1.1	44

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19	Persistent Unresolved Inflammation in the <i>Mecp2</i> -308 Female Mutated Mouse Model of Rett Syndrome. <i>Mediators of Inflammation</i> , 2017, 2017, 1-9.	1.4	17
20	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
21	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
22	Non-Enzymatic Oligomerization of 3 <sup>â€™</sup> , 5 <sup>â€™</sup> Cyclic AMP. <i>PLoS ONE</i> , 2016, 11, e0165723.	1.1	19
23	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
24	Differential proteomeâ€™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
25	Proteomic and metabolic profiles of <i>Cakile maritima</i> Scop. Sea Rocket grown in the presence of cadmium. <i>Molecular BioSystems</i> , 2015, 11, 1096-1109.	2.9	16
26	Inductive proteomics and large dataset collections. <i>Molecular BioSystems</i> , 2015, 11, 1485-1486.	2.9	1
27	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
28	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
29	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
30	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
31	One medicine â€™ one health â€™ one biology and many proteins: proteomics on the verge of the One Health approach. <i>Molecular BioSystems</i> , 2014, 10, 1226.	2.9	7
32	Systems Biology: A New Tool for Farm Animal Science. <i>Current Protein and Peptide Science</i> , 2014, 15, 100-117.	0.7	17
33	Cadmium Stress Responses in <i>Brassica juncea</i> : Hints from Proteomics and Metabolomics. <i>Journal of Proteome Research</i> , 2013, 12, 4979-4997.	1.8	90
34	Digital and analogical reality in proteomics investigation. <i>Molecular BioSystems</i> , 2013, 9, 1062.	2.9	2
35	Crosstalk between salicylic acid and jasmonate in Arabidopsis investigated by an integrated proteomic and transcriptomic approach. <i>Molecular BioSystems</i> , 2013, 9, 1169.	2.9	68
36	Biomarker discovery and applications for foods and beverages: Proteomics to nanoproteomics. <i>Journal of Proteomics</i> , 2013, 93, 74-92.	1.2	49

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37	The Mitochondrial Italian Human Proteome Project Initiative (mt-HPP). <i>Molecular BioSystems</i> , 2013, 9, 1984-92.	2.9	10
38	Analysis of TAp73-Dependent Signaling via Omics Technologies. <i>Journal of Proteome Research</i> , 2013, 12, 4207-4220.	1.8	16
39	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
40	Proteomics and transcriptomics investigation on longissimus muscles in Large White and Casertana pig breeds. , 2013, , 298-301.		0
41	Murine macrophages response to iron. <i>Journal of Proteomics</i> , 2012, 76, 10-27.	1.2	23
42	Integrative proteomics: perspective in complex system interpretation. <i>Molecular BioSystems</i> , 2012, 8, 951.	2.9	2
43	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
44	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
45	Analysis of the Cattle Liver Proteome by High-Sensitive Liquid Chromatography Coupled with Mass Spectrometry Method. , 2012, 909, 43-62.		4
46	Combinatorial Peptide Ligand Libraries to Discover Liver Disease Biomarkers in Plasma Samples. , 2012, 909, 311-319.		2
47	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
48	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
49	Clinical metabolomics: the next stage of clinical biochemistry. <i>Blood Transfusion</i> , 2012, 10 Suppl 2, s19-24.	0.3	26
50	Proteomics and renaissance: accounts of the V Italian Proteomics Association Congress, Florence 2010. <i>Molecular BioSystems</i> , 2011, 7, 577.	2.9	0
51	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
52	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
53	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
54	Female urinary proteomics: New insight into exogenous and physiological hormone-dependent changes. <i>Proteomics - Clinical Applications</i> , 2011, 5, 343-353.	0.8	15

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55	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
56	Recombinant clotting factor VIII concentrates: Heterogeneity and high purity evaluation. <i>Electrophoresis</i> , 2010, 31, 2730-2739.	1.3	18
57	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
58	Proteomics and Transcriptomics Investigation on <i>longissimus</i> Muscles in Large White and Casertana Pig Breeds. <i>Journal of Proteome Research</i> , 2010, 9, 6450-6466.	1.8	58
59	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
60	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
61	Accumulation of overoxidized Peroxiredoxin III in aged rat liver mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 890-896.	0.5	58
62	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
63	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
64	High resolution preparation of monocyte-derived macrophages (MDM) protein fractions for clinical proteomics. <i>Proteome Science</i> , 2009, 7, 4.	0.7	8
65	Proteomic Analysis of Multiprotein Complexes in the Thylakoid Membrane upon Cadmium Treatment. <i>Journal of Proteome Research</i> , 2009, 8, 310-326.	1.8	83
66	Liquid-Chromatography-Mass Spectrometry of Thylakoid Membrane Proteins. <i>Methods in Molecular Biology</i> , 2009, 492, 113-130.	0.4	4
67	Proteomics applied on plant abiotic stresses: Role of heat shock proteins (HSP). <i>Journal of Proteomics</i> , 2008, 71, 391-411.	1.2	453
68	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
69	Modulation of the neuronal response to ischaemia by somatostatin analogues in wild type and knockout mouse retinas. <i>Journal of Neurochemistry</i> , 2008, 106, 2224-2235.	2.1	44
70	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
71	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
72	Proteomics, pigment composition, and organization of thylakoid membranes in iron-deficient spinach leaves. <i>Journal of Experimental Botany</i> , 2007, 58, 3695-3710.	2.4	107

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73	Exploring the Platelet Proteome via Combinatorial, Hexapeptide Ligand Libraries. <i>Journal of Proteome Research</i> , 2007, 6, 4290-4303.	1.8	89
74	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
75	Proteomic analysis of photosystem I components from different plant species. <i>Proteomics</i> , 2007, 7, 1866-1876.	1.3	19
76	Changes in neuronal response to ischemia in retinas with genetic alterations of somatostatin receptor expression. <i>European Journal of Neuroscience</i> , 2007, 25, 1447-1459.	1.2	44
77	Assay of ochratoxin A in grape by high-pressure liquid chromatography coupled on line with an ESI-MS mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 832, 127-133.	1.2	24
78	Hydrazide derivatives produce active oxygen species as hydrazine. <i>Bioorganic Chemistry</i> , 2005, 33, 459-469.	2.0	10
79	Fingerprinting of Antenna Proteins of Photosystem I by Reversed Phase High Performance Liquid Chromatography. <i>Chromatographia</i> , 2005, 61, 1-7.	0.7	2
80	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
81	Involvement of active oxygen species in protein and oligonucleotide degradation induced by nitrofurans. <i>Biochemistry and Cell Biology</i> , 2005, 83, 166-175.	0.9	15
82	Separation and identification of the light harvesting proteins contained in grana and stroma thylakoid membrane fractions. <i>Journal of Chromatography A</i> , 2004, 1040, 73-81.	1.8	15
83	Multidimensional proteomic analysis of photosynthetic membrane proteins by liquid extraction-ultracentrifugation-liquid chromatography-mass spectrometry. <i>Proteomics</i> , 2004, 4, 3909-3920.	1.3	48
84	Intact mass measurements for unequivocal identification of hydrophobic photosynthetic photosystems I and II antenna proteins. <i>Electrophoresis</i> , 2004, 25, 1353-1366.	1.3	15
85	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
86	Characterization of a Variant of the Spinach PSII Type I Light-Harvesting Protein Using Kinetically Controlled Digestion and RP-HPLC-ESI-MS. <i>Analytical Chemistry</i> , 2003, 75, 6775-6780.	3.2	18
87	Proteomics of Light-Harvesting Proteins in Different Plant Species. Analysis and Comparison by Liquid Chromatography-Electrospray Ionization Mass Spectrometry. Photosystem II. <i>Plant Physiology</i> , 2003, 131, 198-214.	2.3	65
88	Identification of a furazolidone metabolite responsible for the inhibition of amino oxidases. <i>Xenobiotica</i> , 2003, 33, 153-167.	0.5	23
89	Proteomics of Light-Harvesting Proteins in Different Plant Species. Analysis and Comparison by Liquid Chromatography-Electrospray Ionization Mass Spectrometry. Photosystem I. <i>Plant Physiology</i> , 2002, 130, 1938-1950.	2.3	43
90	High-Performance Liquid Chromatography-Electrospray Ionization Mass Spectrometry Using Monolithic Capillary Columns for Proteomic Studies. <i>Analytical Chemistry</i> , 2001, 73, 2390-2396.	3.2	206

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91	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
92	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
93	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. <i>Journal of Chromatography A</i> , 2000, 886, 111-121.	1.8	53
94	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
95	Title is missing!. <i>Photosynthesis Research</i> , 1999, 61, 281-290.	1.6	19
96	Rapid resolution by reversed-phase high-performance liquid chromatography of the thylakoid membrane proteins of the photosystem II light-harvesting complex. <i>Journal of Chromatography A</i> , 1997, 779, 131-138.	1.8	16
97	Random amplified polymorphic DNA (RAPD) interpretation requires a sensitive method for the detection of amplified DNA. <i>Electrophoresis</i> , 1996, 17, 1553-1554.	1.3	16
98	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
99	From Targeted Quantification to Untargeted Metabolomics. , 0, , .		6