

# Giovanni Renzone

## List of Publications by Citations

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82

papers

1,888

citations

27

h-index

39

g-index

87

ext. papers

2,215

ext. citations

5.2

avg, IF

4.45

L-index

#	Paper	IF	Citations
82	A proteomic characterization of water buffalo milk fractions describing PTM of major species and the identification of minor components involved in nutrient delivery and defense against pathogens. <i>Proteomics</i> , <b>2008</b> , 8, 3657-66	4.8	88
81	Dairy products and the Maillard reaction: A promising future for extensive food characterization by integrated proteomics studies. <i>Food Chemistry</i> , <b>2017</b> , 219, 477-489	8.5	71
80	Peptide display on Potato virus X: molecular features of the coat protein-fused peptide affecting cell-to-cell and phloem movement of chimeric virus particles. <i>Journal of General Virology</i> , <b>2006</b> , 87, 3103-3112	4.9	68
79	A folding-dependent mechanism of antimicrobial peptide resistance to degradation unveiled by solution structure of distinctin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 6309-14	11.5	64
78	Non-enzymatic glycation and glycoxidation protein products in foods and diseases: an interconnected, complex scenario fully open to innovative proteomic studies. <i>Mass Spectrometry Reviews</i> , <b>2014</b> , 33, 49-77	11	62
77	Modern proteomic methodologies for the characterization of lactosylation protein targets in milk. <i>Proteomics</i> , <b>2010</b> , 10, 3414-34	4.8	59
76	Transcriptomic and proteomic analysis of a compatible tomato-aphid interaction reveals a predominant salicylic acid-dependent plant response. <i>BMC Genomics</i> , <b>2013</b> , 14, 515	4.5	58
75	Proteomic characterization of intermediate and advanced glycation end-products in commercial milk samples. <i>Journal of Proteomics</i> , <b>2015</b> , 117, 12-23	3.9	56
74	Proteome analysis of Neisseria meningitidis serogroup A. <i>Proteomics</i> , <b>2004</b> , 4, 2893-926	4.8	56
73	Proteomic analysis of temperature stress-responsive proteins in Arabidopsis thaliana rosette leaves. <i>Molecular BioSystems</i> , <b>2013</b> , 9, 1257-67		55
72	Molecular interactions between the olive and the fruit fly Bactrocera oleae. <i>BMC Plant Biology</i> , <b>2012</b> , 12, 86	5.3	51
71	Mass spectrometry for the analysis of protein lactosylation in milk products. <i>Food Research International</i> , <b>2013</b> , 54, 988-1000	7	46
70	A study of Streptococcus thermophilus proteome by integrated analytical procedures and differential expression investigations. <i>Proteomics</i> , <b>2006</b> , 6, 181-92	4.8	42
69	Plasma protein changes in horse after prolonged physical exercise: a proteomic study. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 4494-504	3.9	40
68	Leaf proteome analysis of transgenic plants expressing antiviral antibodies. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 838-48	5.6	40
67	Redox proteomics of fat globules unveils broad protein lactosylation and compositional changes in milk samples subjected to various technological procedures. <i>Journal of Proteomics</i> , <b>2011</b> , 74, 2453-75	3.9	39
66	Comparative proteomic analysis of mammalian animal tissues and body fluids: bovine proteome database. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2005</b> , 815, 157-68	3.2	38

65	Characterization of carbonic anhydrase IX interactome reveals proteins assisting its nuclear localization in hypoxic cells. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 282-92	5.6	37
64	Human serum albumin modifications associated with reductive radical stress. <i>Molecular BioSystems</i> , <b>2011</b> , 7, 889-98		33
63	Cladosporol a stimulates G1-phase arrest of the cell cycle by up-regulation of p21(waf1/cip1) expression in human colon carcinoma HT-29 cells. <i>Molecular Carcinogenesis</i> , <b>2013</b> , 52, 1-17	5	32
62	Response to biotic and oxidative stress in Arabidopsis thaliana: analysis of variably phosphorylated proteins. <i>Journal of Proteomics</i> , <b>2011</b> , 74, 1934-49	3.9	32
61	Gambling on putative biomarkers of osteoarthritis and osteochondrosis by equine synovial fluid proteomics. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 4478-93	3.9	31
60	Radiation-induced reductive modifications of sulfur-containing amino acids within peptides and proteins. <i>Journal of Proteomics</i> , <b>2011</b> , 74, 2264-73	3.9	30
59	Comparative proteomics and immunoproteomics of Helicobacter pylori related to different gastric pathologies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2006</b> , 833, 63-79	3.2	29
58	Ovine subclinical mastitis: proteomic analysis of whey and milk fat globules unveils putative diagnostic biomarkers in milk. <i>Journal of Proteomics</i> , <b>2013</b> , 83, 144-59	3.9	27
57	Differential proteomic analysis of an engineered Streptomyces coelicolor strain reveals metabolic pathways supporting growth on n-hexadecane. <i>Applied Microbiology and Biotechnology</i> , <b>2012</b> , 94, 1289-301	5.7	27
56	Analytical methodologies for the detection and structural characterization of phosphorylated proteins. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2007</b> , 849, 163-80	3.2	27
55	Interdisciplinary study for the evaluation of biochemical alterations on mussel Mytilus galloprovincialis exposed to a tributyltin-polluted area. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 391, 671-8	4.4	27
54	A proteomic approach to the bilirubin-induced toxicity in neuronal cells reveals a protective function of DJ-1 protein. <i>Proteomics</i> , <b>2010</b> , 10, 1645-57	4.8	26
53	Structural features of distinctin affecting peptide biological and biochemical properties. <i>Biochemistry</i> , <b>2008</b> , 47, 7888-99	3.2	26
52	The reductive desulfurization of Met and Cys residues in bovine RNase A is associated with trans lipids formation in a mimetic model of biological membranes. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 2007-15	5.6	26
51	Adaptative biochemical pathways and regulatory networks in Klebsiella oxytoca BAS-10 producing a biotechnologically relevant exopolysaccharide during Fe(III)-citrate fermentation. <i>Microbial Cell Factories</i> , <b>2012</b> , 11, 152	6.4	24
50	Differential proteomic analysis reveals novel links between primary metabolism and antibiotic production in Amycolatopsis balhimycina. <i>Proteomics</i> , <b>2010</b> , 10, 1336-58	4.8	24
49	The proteome of Populus nigra woody root: response to bending. <i>Annals of Botany</i> , <b>2012</b> , 110, 415-32	4.1	23
48	Expression in Streptomyces lividans of Nonomurea genes cloned in an artificial chromosome. <i>Applied Microbiology and Biotechnology</i> , <b>2005</b> , 68, 656-62	5.7	23

47	Tryptophan promotes morphological and physiological differentiation in <i>Streptomyces coelicolor</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 10177-89	5.7	22
46	Dermcidin: a skeletal muscle myokine modulating cardiomyocyte survival and infarct size after coronary artery ligation. <i>Cardiovascular Research</i> , <b>2015</b> , 107, 431-41	9.9	22
45	A widespread picture of the <i>Streptococcus thermophilus</i> proteome by cell lysate fractionation and gel-based/gel-free approaches. <i>Proteomics</i> , <b>2007</b> , 7, 1420-33	4.8	21
44	Differential proteomic analysis in the study of prokaryotes stress resistance. <i>Annali Dell'istituto Superiore Di Sanita</i> , <b>2005</b> , 41, 459-68	1.6	21
43	Involvement of phenoloxidase in browning during grinding of <i>Tenebrio molitor</i> larvae. <i>PLoS ONE</i> , <b>2017</b> , 12, e0189685	3.7	20
42	Human carbonyl reductase 1 as efficient catalyst for the reduction of glutathionylated aldehydes derived from lipid peroxidation. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 99, 323-332	7.8	20
41	NADP(+)-dependent dehydrogenase activity of carbonyl reductase on glutathionylhydroxynonanal as a new pathway for hydroxynonanal detoxification. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 83, 66-76	7.8	19
40	Amending an As/Pb contaminated soil with biochar, compost and iron grit: effect on <i>Salix viminalis</i> growth, root proteome profiles and metal(loid) accumulation indexes. <i>Chemosphere</i> , <b>2020</b> , 244, 125397	8.4	18
39	Proteomic analysis of <i>Populus leucamericana</i> (clone I-214) roots to identify key factors involved in zinc stress response. <i>Journal of Plant Physiology</i> , <b>2014</b> , 171, 1054-63	3.6	17
38	Temporal analysis of poplar woody root response to bending stress. <i>Physiologia Plantarum</i> , <b>2014</b> , 150, 174-93	4.6	15
37	Differential proteomic analysis highlights metabolic strategies associated with balhimycin production in <i>Amycolatopsis balhimycina</i> chemostat cultivations. <i>Microbial Cell Factories</i> , <b>2010</b> , 9, 95	6.4	15
36	Pirin: A novel redox-sensitive modulator of primary and secondary metabolism in <i>Streptomyces</i> . <i>Metabolic Engineering</i> , <b>2018</b> , 48, 254-268	9.7	15
35	Protein carbonylation in dopaminergic cells exposed to rotenone. <i>Toxicology Letters</i> , <b>2019</b> , 309, 20-32	4.4	13
34	Unveiling Kiwifruit Metabolite and Protein Changes in the Course of Postharvest Cold Storage. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 71	6.2	13
33	Immunoproteomics of <i>Helicobacter pylori</i> infection in patients with atrophic body gastritis, a predisposing condition for gastric cancer. <i>International Journal of Medical Microbiology</i> , <b>2011</b> , 301, 125-32	3.7	13
32	Differential proteomic analysis of subfractionated human hepatocellular carcinoma tissues. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 2273-84	5.6	13
31	Differential representation of liver proteins in obese human subjects suggests novel biomarkers and promising targets for drug development in obesity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2017</b> , 32, 672-682	5.6	10
30	A multi-approach peptidomic analysis of hen egg white reveals novel putative bioactive molecules. <i>Journal of Proteomics</i> , <b>2020</b> , 215, 103646	3.9	10

29	A proteometabolomic study of Actinidia deliciosa fruit development. <i>Journal of Proteomics</i> , <b>2018</b> , 172, 11-24	3.9	10
28	Poplar woody root proteome during the transition dormancy-active growth. <i>Plant Biosystems</i> , <b>2013</b> , 147, 1095-1100	1.6	9
27	Down-regulation of SM22/transgelin gene expression during H9c2 cells differentiation. <i>Molecular and Cellular Biochemistry</i> , <b>2009</b> , 327, 145-52	4.2	9
26	Modern strategies to identify new molecular targets for the treatment of liver diseases: The promising role of Proteomics and Redox Proteomics investigations. <i>Proteomics - Clinical Applications</i> , <b>2009</b> , 3, 242-62	3.1	9
25	Distinctin improves the efficacies of glycopeptides and betalactams against staphylococcal biofilm in an experimental model of central venous catheter infection. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2007</b> , 81, 233-9	5.4	9
24	Mass Spectrometry-Based Approaches for Structural Studies on Protein Complexes at Low-Resolution. <i>Current Proteomics</i> , <b>2007</b> , 4, 1-16	0.7	9
23	TrpM, a Small Protein Modulating Tryptophan Biosynthesis and Morpho-Physiological Differentiation in <i>Streptomyces coelicolor</i> A3(2). <i>PLoS ONE</i> , <b>2016</b> , 11, e0163422	3.7	9
22	Elucidating the molecular physiology of lantibiotic NAI-107 production in <i>Microbispora</i> ATCC-PTA-5024. <i>BMC Genomics</i> , <b>2016</b> , 17, 42	4.5	8
21	Proteomic characterization of a mouse model of familial Danish dementia. <i>Journal of Biomedicine and Biotechnology</i> , <b>2012</b> , 2012, 728178		8
20	Selective ion tracing and MSn analysis of peptide digests from FSBA-treated kinases for the analysis of protein ATP-binding sites. <i>Journal of Proteome Research</i> , <b>2006</b> , 5, 2019-24	5.6	7
19	Kinetic features of carbonyl reductase 1 acting on glutathionylated aldehydes. <i>Chemico-Biological Interactions</i> , <b>2017</b> , 276, 127-132	5	6
18	Flavonoid Interaction with a Chitinase from Grape Berry Skin: Protein Identification and Modulation of the Enzymatic Activity. <i>Molecules</i> , <b>2016</b> , 21,	4.8	6
17	Stereoselectivity of Aldose Reductase in the Reduction of Glutathionyl-Hydroxynonanal Adduct. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	6
16	In-depth study to decipher mechanisms underlying <i>Arabidopsis thaliana</i> tolerance to metal(loid) soil contamination in association with biochar and/or bacteria. <i>Environmental and Experimental Botany</i> , <b>2021</b> , 182, 104335	5.9	6
15	An integrated proteomic and metabolomic study to evaluate the effect of nucleus-cytoplasm interaction in a diploid citrus cybrid between sweet orange and lemon. <i>Plant Molecular Biology</i> , <b>2018</b> , 98, 407-425	4.6	6
14	The Small ORF Stimulates Growth and Morphological Development and Exerts Opposite Effects on Actinorhodin and Calcium-Dependent Antibiotic Production. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 224	5.7	5
13	Structural characterization of the functional regions in the archaeal protein Sso7d. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2007</b> , 67, 189-97	4.2	5
12	vesicles: many molecules to be delivered. <i>Applied and Environmental Microbiology</i> , <b>2021</b> , AEM0188121	4.8	4

11	Cross-linking reactions in food proteins and proteomic approaches for their detection. <i>Mass Spectrometry Reviews</i> , <b>2021</b> ,	11	4
10	Identification of candidate biomarkers of the exposure to PCBs in contaminated cattle: A gene expression- and proteomic-based approach. <i>Science of the Total Environment</i> , <b>2018</b> , 640-641, 22-30	10.2	4
9	Novel <i>Amycolatopsis balhimycina</i> biochemical abilities unveiled by proteomics. <i>FEMS Microbiology Letters</i> , <b>2014</b> , 351, 209-15	2.9	3
8	Identification of new epidemiological molecular markers by comparative proteomics of serogroup A meningococcal isolates from three pandemic waves. <i>Proteomics - Clinical Applications</i> , <b>2009</b> , 3, 1251-1254	3.1	2
7	Dehydrogenase/reductase activity of human carbonyl reductase 1 with NADP(H) acting as a prosthetic group. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 522, 259-263	3.4	2
6	A new non-classical fold of varroa odorant-binding proteins reveals a wide open internal cavity. <i>Scientific Reports</i> , <b>2021</b> , 11, 13172	4.9	2
5	Proteome Alterations in Equine Osteochondrotic Chondrocytes. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	2
4	Monitoring aging of hen egg by integrated quantitative peptidomic procedures. <i>Food Research International</i> , <b>2021</b> , 140, 110010	7	2
3	The Odorant-Binding Proteins of the Spider Mite. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
2	Purification and characterization of a Cys-Gly hydrolase from the gastropod mollusk, <i>Patella caerulea</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 1560-5	5.6	0
1	Proteomic Characterization of Nonenzymatic Modifications Induced in Bovine Milk Following Thermal Treatments <b>2017</b> , 241-260		