Giovanni Renzone

List of Publications by Year in Descending Order

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	vesicles: many molecules to be delivered. *Applied and Environmental Microbiology*, **2021**, AEM0188121	4.8	4
81	The Odorant-Binding Proteins of the Spider Mite. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
80	A new non-classical fold of varroa odorant-binding proteins reveals a wide open internal cavity. *Scientific Reports*, **2021**, 11, 13172	4.9	2
79	Cross-linking reactions in food proteins and proteomic approaches for their detection. *Mass Spectrometry Reviews*, **2021**,	11	4
78	Monitoring aging of hen egg by integrated quantitative peptidomic procedures. *Food Research International*, **2021**, 140, 110010	7	2
77	In-depth study to decipher mechanisms underlying Arabidopsis thaliana tolerance to metal(loid) soil contamination in association with biochar and/or bacteria. *Environmental and Experimental Botany*, **2021**, 182, 104335	5.9	6
76	The Small ORF Stimulates Growth and Morphological Development and Exerts Opposite Effects on Actinorhodin and Calcium-Dependent Antibiotic Production. *Frontiers in Microbiology*, **2020**, 11, 224	5.7	5
75	A multi-approach peptidomic analysis of hen egg white reveals novel putative bioactive molecules. *Journal of Proteomics*, **2020**, 215, 103646	3.9	10
74	Dehydrogenase/reductase activity of human carbonyl reductase 1 with NADP(H) acting as a prosthetic group. *Biochemical and Biophysical Research Communications*, **2020**, 522, 259-263	3.4	2
73	Amending an As/Pb contaminated soil with biochar, compost and iron grit: effect on Salix viminalis growth, root proteome profiles and metal(loid) accumulation indexes. *Chemosphere*, **2020**, 244, 125397	8.4	18
72	Protein carbonylation in dopaminergic cells exposed to rotenone. *Toxicology Letters*, **2019**, 309, 20-32	4.4	13
71	Unveiling Kiwifruit Metabolite and Protein Changes in the Course of Postharvest Cold Storage. *Frontiers in Plant Science*, **2019**, 10, 71	6.2	13
70	Stereoselectivity of Aldose Reductase in the Reduction of Glutathionyl-Hydroxynonanal Adduct. *Antioxidants*, **2019**, 8,	7.1	6
69	Proteome Alterations in Equine Osteochondrotic Chondrocytes. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	2
68	A proteometabolomic study of Actinidia deliciosa fruit development. *Journal of Proteomics*, **2018**, 172, 11-24	3.9	10
67	An integrated proteomic and metabolomic study to evaluate the effect of nucleus-cytoplasm interaction in a diploid citrus cybrid between sweet orange and lemon. *Plant Molecular Biology*, **2018**, 98, 407-425	4.6	6
66	Identification of candidate biomarkers of the exposure to PCBs in contaminated cattle: A gene expression- and proteomic-based approach. *Science of the Total Environment*, **2018**, 640-641, 22-30	10.2	4

65	Pirin: A novel redox-sensitive modulator of primary and secondary metabolism in Streptomyces. *Metabolic Engineering*, **2018**, 48, 254-268	9.7	15
64	Differential representation of liver proteins in obese human subjects suggests novel biomarkers and promising targets for drug development in obesity. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2017**, 32, 672-682	5.6	10
63	Kinetic features of carbonyl reductase 1 acting on glutathionylated aldehydes. *Chemico-Biological Interactions*, **2017**, 276, 127-132	5	6
62	Involvement of phenoloxidase in browning during grinding of Tenebrio molitor larvae. *PLoS ONE*, **2017**, 12, e0189685	3.7	20
61	Proteomic Characterization of Nonenzymatic Modifications Induced in Bovine Milk Following Thermal Treatments **2017**, 241-260		
60	Dairy products and the Maillard reaction: A promising future for extensive food characterization by integrated proteomics studies. *Food Chemistry*, **2017**, 219, 477-489	8.5	71
59	Elucidating the molecular physiology of lantibiotic NAI-107 production in Microbispora ATCC-PTA-5024. *BMC Genomics*, **2016**, 17, 42	4.5	8
58	TrpM, a Small Protein Modulating Tryptophan Biosynthesis and Morpho-Physiological Differentiation in Streptomyces coelicolor A3(2). *PLoS ONE*, **2016**, 11, e0163422	3.7	9
57	Flavonoid Interaction with a Chitinase from Grape Berry Skin: Protein Identification and Modulation of the Enzymatic Activity. *Molecules*, **2016**, 21,	4.8	6
56	Purification and characterization of a Cys-Gly hydrolase from the gastropod mollusk, Patella caerulea. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2016**, 31, 1560-5	5.6	0
55	Human carbonyl reductase 1 as efficient catalyst for the reduction of glutathionylated aldehydes derived from lipid peroxidation. *Free Radical Biology and Medicine*, **2016**, 99, 323-332	7.8	20
54	Tryptophan promotes morphological and physiological differentiation in Streptomyces coelicolor. *Applied Microbiology and Biotechnology*, **2015**, 99, 10177-89	5.7	22
53	Dermcidin: a skeletal muscle myokine modulating cardiomyocyte survival and infarct size after coronary artery ligation. *Cardiovascular Research*, **2015**, 107, 431-41	9.9	22
52	Proteomic characterization of intermediate and advanced glycation end-products in commercial milk samples. *Journal of Proteomics*, **2015**, 117, 12-23	3.9	56
51	NADP(+)-dependent dehydrogenase activity of carbonyl reductase on glutathionylhydroxynonanal as a new pathway for hydroxynonenal detoxification. *Free Radical Biology and Medicine*, **2015**, 83, 66-76	7.8	19
50	Non-enzymatic glycation and glycoxidation protein products in foods and diseases: an interconnected, complex scenario fully open to innovative proteomic studies. *Mass Spectrometry Reviews*, **2014**, 33, 49-77	11	62
49	Proteomic analysis of Populus euramericana (clone I-214) roots to identify key factors involved in zinc stress response. *Journal of Plant Physiology*, **2014**, 171, 1054-63	3.6	17
48	Temporal analysis of poplar woody root response to bending stress. *Physiologia Plantarum*, **2014**, 150, 174-93	4.6	15

47	Novel Amycolatopsis balhimycina biochemical abilities unveiled by proteomics. *FEMS Microbiology Letters*, **2014**, 351, 209-15	2.9	3
46	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. *Molecular Carcinogenesis*, **2013**, 52, 1-17	5	32
45	Proteomic analysis of temperature stress-responsive proteins in Arabidopsis thaliana rosette leaves. *Molecular BioSystems*, **2013**, 9, 1257-67		55
44	Transcriptomic and proteomic analysis of a compatible tomato-aphid interaction reveals a predominant salicylic acid-dependent plant response. *BMC Genomics*, **2013**, 14, 515	4.5	58
43	Characterization of carbonic anhydrase IX interactome reveals proteins assisting its nuclear localization in hypoxic cells. *Journal of Proteome Research*, **2013**, 12, 282-92	5.6	37
42	Ovine subclinical mastitis: proteomic analysis of whey and milk fat globules unveils putative diagnostic biomarkers in milk. *Journal of Proteomics*, **2013**, 83, 144-59	3.9	27
41	Mass spectrometry for the analysis of protein lactosylation in milk products. *Food Research International*, **2013**, 54, 988-1000	7	46
40	Poplar woody root proteome during the transition dormancy-active growth. *Plant Biosystems*, **2013**, 147, 1095-1100	1.6	9
39	Gambling on putative biomarkers of osteoarthritis and osteochondrosis by equine synovial fluid proteomics. *Journal of Proteomics*, **2012**, 75, 4478-93	3.9	31
38	Plasma protein changes in horse after prolonged physical exercise: a proteomic study. *Journal of Proteomics*, **2012**, 75, 4494-504	3.9	40
37	Molecular interactions between the olive and the fruit fly Bactrocera oleae. *BMC Plant Biology*, **2012**, 12, 86	5.3	51
36	Adaptative biochemical pathways and regulatory networks in Klebsiella oxytoca BAS-10 producing a biotechnologically relevant exopolysaccharide during Fe(III)-citrate fermentation. *Microbial Cell Factories*, **2012**, 11, 152	6.4	24
35	Differential proteomic analysis of an engineered Streptomyces coelicolor strain reveals metabolic pathways supporting growth on n-hexadecane. *Applied Microbiology and Biotechnology*, **2012**, 94, 1289-301	3.7	27
34	Proteomic characterization of a mouse model of familial Danish dementia. *Journal of Biomedicine and Biotechnology*, **2012**, 2012, 728178		8
33	The proteome of Populus nigra woody root: response to bending. *Annals of Botany*, **2012**, 110, 415-32	4.1	23
32	Immunoproteomics of Helicobacter pylori infection in patients with atrophic body gastritis, a predisposing condition for gastric cancer. *International Journal of Medical Microbiology*, **2011**, 301, 125-32	3.7	13
31	Redox proteomics of fat globules unveils broad protein lactosylation and compositional changes in milk samples subjected to various technological procedures. *Journal of Proteomics*, **2011**, 74, 2453-75	3.9	39
30	Radiation-induced reductive modifications of sulfur-containing amino acids within peptides and proteins. *Journal of Proteomics*, **2011**, 74, 2264-73	3.9	30

29	Response to biotic and oxidative stress in Arabidopsis thaliana: analysis of variably phosphorylated proteins. *Journal of Proteomics*, **2011**, 74, 1934-49	3.9	32
28	Human serum albumin modifications associated with reductive radical stress. *Molecular BioSystems*, **2011**, 7, 889-98		33
27	Differential proteomic analysis highlights metabolic strategies associated with balhimycin production in Amycolatopsis balhimycina chemostat cultivations. *Microbial Cell Factories*, **2010**, 9, 95	6.4	15
26	Differential proteomic analysis reveals novel links between primary metabolism and antibiotic production in Amycolatopsis balhimycina. *Proteomics*, **2010**, 10, 1336-58	4.8	24
25	A proteomic approach to the bilirubin-induced toxicity in neuronal cells reveals a protective function of DJ-1 protein. *Proteomics*, **2010**, 10, 1645-57	4.8	26
24	Modern proteomic methodologies for the characterization of lactosylation protein targets in milk. *Proteomics*, **2010**, 10, 3414-34	4.8	59
23	Down-regulation of SM22/transgelin gene expression during H9c2 cells differentiation. *Molecular and Cellular Biochemistry*, **2009**, 327, 145-52	4.2	9
22	Modern strategies to identify new molecular targets for the treatment of liver diseases: The promising role of Proteomics and Redox Proteomics investigations. *Proteomics - Clinical Applications*, **2009**, 3, 242-62	3.1	9
21	Identification of new epidemiological molecular markers by comparative proteomics of serogroup A meningococcal isolates from three pandemic waves. *Proteomics - Clinical Applications*, **2009**, 3, 1251-1254	3.1	2
20	Differential proteomic analysis of subfractioned human hepatocellular carcinoma tissues. *Journal of Proteome Research*, **2009**, 8, 2273-84	5.6	13
19	Leaf proteome analysis of transgenic plants expressing antiviral antibodies. *Journal of Proteome Research*, **2009**, 8, 838-48	5.6	40
18	Structural features of distinctin affecting peptide biological and biochemical properties. *Biochemistry*, **2008**, 47, 7888-99	3.2	26
17	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. *Journal of Proteome Research*, **2008**, 7, 2007-15	5.6	26
16	Interdisciplinary study for the evaluation of biochemical alterations on mussel Mytilus galloprovincialis exposed to a tributyltin-polluted area. *Analytical and Bioanalytical Chemistry*, **2008**, 391, 671-8	4.4	27
15	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. *Proteomics*, **2008**, 8, 3657-66	4.8	88
14	Distinctin improves the efficacies of glycopeptides and betalactams against staphylococcal biofilm in an experimental model of central venous catheter infection. *Journal of Biomedical Materials Research - Part A*, **2007**, 81, 233-9	5.4	9
13	Analytical methodologies for the detection and structural characterization of phosphorylated proteins. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2007**, 849, 163-80	3.2	27
12	Structural characterization of the functional regions in the archaeal protein Sso7d. *Proteins: Structure, Function and Bioinformatics*, **2007**, 67, 189-97	4.2	5

11	A widespread picture of the Streptococcus thermophilus proteome by cell lysate fractionation and gel-based/gel-free approaches. *Proteomics*, **2007**, 7, 1420-33	4.8	21
10	Mass Spectrometry-Based Approaches for Structural Studies on Protein Complexes at Low-Resolution. *Current Proteomics*, **2007**, 4, 1-16	0.7	9
9	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. *Journal of General Virology*, **2006**, 87, 3103-3112	4.9	68
8	Selective ion tracing and MSn analysis of peptide digests from FSBA-treated kinases for the analysis of protein ATP-binding sites. *Journal of Proteome Research*, **2006**, 5, 2019-24	5.6	7
7	A study of Streptococcus thermophilus proteome by integrated analytical procedures and differential expression investigations. *Proteomics*, **2006**, 6, 181-92	4.8	42
6	Comparative proteomics and immunoproteomics of Helicobacter pylori related to different gastric pathologies. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2006**, 833, 63-79	3.2	29
5	Comparative proteomic analysis of mammalian animal tissues and body fluids: bovine proteome database. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2005**, 815, 157-68	3.2	38
4	Expression in Streptomyces lividans of Nonomuraea genes cloned in an artificial chromosome. *Applied Microbiology and Biotechnology*, **2005**, 68, 656-62	5.7	23
3	A folding-dependent mechanism of antimicrobial peptide resistance to degradation unveiled by solution structure of distinctin. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 6309-14	11.5	64
2	Differential proteomic analysis in the study of prokaryotes stress resistance. *Annali Dell'Istituto Superiore Di Sanita*, **2005**, 41, 459-68	1.6	21
1	Proteome analysis of Neisseria meningitidis serogroup A. *Proteomics*, **2004**, 4, 2893-926	4.8	56