

Giuseppe Palmisano

List of Publications by Year in descending order

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115
papers

5,587
citations

134610

34
h-index

100535

70
g-index

135
all docs

135
docs citations

135
times ranked

9150
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of Zika virus exposure on the placental proteomic profile. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166270.	1.8	2
2	A proteomic approach to identify digestive enzymes, their exocytic and microapocrine secretory routes and their compartmentalization in the midgut of <i>Spodoptera frugiperda</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2022, 257, 110670.	0.7	6
3	Urine proteomics as a non-invasive approach to monitor exertional rhabdomyolysis during military training. <i>Journal of Proteomics</i> , 2022, 258, 104498.	1.2	2
4	Transporter-Mediated Solutes Uptake as Drug Target in <i>Plasmodium falciparum</i> . <i>Frontiers in Pharmacology</i> , 2022, 13, 845841.	1.6	1
5	MALDI-TOF mass spectrometry of saliva samples as a prognostic tool for COVID-19. <i>Journal of Oral Microbiology</i> , 2022, 14, 2043651.	1.2	6
6	Global RNAseq of ocular cells reveals gene dysregulation in both asymptomatic and with Congenital Zika Syndrome infants exposed prenatally to Zika virus. <i>Experimental Cell Research</i> , 2022, 414, 113086.	1.2	1
7	Exploring COVID-19 pathogenesis on command-line: A bioinformatics pipeline for handling and integrating omics data. <i>Advances in Protein Chemistry and Structural Biology</i> , 2022, , .	1.0	0
8	Glycoprotein molecular dynamics analysis: SARS-CoV-2 spike glycoprotein case study. <i>Advances in Protein Chemistry and Structural Biology</i> , 2022, , .	1.0	0
9	Machine Learning Approaches to Analyze MALDI-TOF Mass Spectrometry Protein Profiles. <i>Methods in Molecular Biology</i> , 2022, , 375-394.	0.4	1
10	Proteome-wide modulation of S-nitrosylation in <i>Trypanosoma cruzi</i> trypomastigotes upon interaction with the host extracellular matrix. <i>Journal of Proteomics</i> , 2021, 231, 104020.	1.2	4
11	The Complexity and Dynamics of the Tissue Glycoproteome Associated With Prostate Cancer Progression. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100026.	2.5	39
12	Major antigen and paramyosin proteins as candidate biomarkers for serodiagnosis of canine infection by zoonotic <i>Onchocerca lupi</i> . <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009027.	1.3	4
13	Comparative analysis of the protein profile from biofortified cultivars of quality protein maize and conventional maize by gel-based and gel-free proteomic approaches. <i>LWT - Food Science and Technology</i> , 2021, 138, 110683.	2.5	3
14	PhyloQuant approach provides insights into <i>Trypanosoma cruzi</i> evolution using a systems-wide mass spectrometry-based quantitative protein profile. <i>Communications Biology</i> , 2021, 4, 324.	2.0	2
15	Adverse pregnancy outcomes are associated with <i>Plasmodium vivax</i> malaria in a prospective cohort of women from the Brazilian Amazon. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009390.	1.3	15
16	The Role of Sialic Acids in the Establishment of Infections by Pathogens, With Special Focus on <i>Leishmania</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 671913.	1.8	14
17	Prognostic accuracy of MALDI-TOF mass spectrometric analysis of plasma in COVID-19. <i>Life Science Alliance</i> , 2021, 4, e202000946.	1.3	25
18	Targeting SUMOylation in <i>Plasmodium</i> as a Potential Target for Malaria Therapy. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 685866.	1.8	6

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19	Protein glycosylation in extracellular vesicles: Structural characterization and biological functions. <i>Molecular Immunology</i> , 2021, 135, 226-246.	1.0	35
20	Risk factors and future directions for preventing and diagnosing exertional rhabdomyolysis. <i>Neuromuscular Disorders</i> , 2021, 31, 583-595.	0.3	5
21	Levels of hepatitis B antibody titers are affected by age and doses gap time in children from a high endemic area of the western Amazon. <i>PLoS ONE</i> , 2021, 16, e0253752.	1.1	6
22	Systems-wide analysis of glycoprotein conformational changes by limited deglycosylation assay. <i>Journal of Proteomics</i> , 2021, 248, 104355.	1.2	2
23	Extracellular Matrix Proteome Remodeling in Human Glioblastoma and Medulloblastoma. <i>Journal of Proteome Research</i> , 2021, 20, 4693-4707.	1.8	12
24	The thermal proteome stability profile of <i>Trypanosoma cruzi</i> in epimastigote and trypomastigote life stages. <i>Journal of Proteomics</i> , 2021, 248, 104339.	1.2	5
25	HSPB1 influences mitochondrial respiration in ER-stressed beta cells. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2021, 1869, 140680.	1.1	7
26	RabdomiÃ³lise em militares: uma missÃ£o de reconhecimento para prevenÃ§Ã£o. <i>JIM - Jornal De InvestigaÃ§Ã£o MÃ©dica</i> , 2021, 2, 039-056.	0.3	2
27	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 422 4.3 1,430	4.3	1,430
28	HDL proteome remodeling associates with COVID-19 severity. <i>Journal of Clinical Lipidology</i> , 2021, 15, 796-804.	0.6	22
29	Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. <i>Nature Methods</i> , 2021, 18, 1304-1316.	9.0	74
30	Immunoproteomic and Immunopeptidomic Analyses of <i>Histoplasma capsulatum</i> Reveal Promiscuous and Conserved Epitopes Among Fungi With Vaccine Potential. <i>Frontiers in Immunology</i> , 2021, 12, 764501.	2.2	7
31	MYC regulates metabolism through vesicular transfer of glycolytic kinases. <i>Open Biology</i> , 2021, 11, 210276.	1.5	5
32	Peptidylarginine Deiminase Inhibition Abolishes the Production of Large Extracellular Vesicles From <i>Giardia intestinalis</i> , Affecting Host-Pathogen Interactions by Hindering Adhesion to Host Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 417.	1.8	38
33	Influence of lysosomal protease sensitivity in the immunogenicity of the antitumor biopharmaceutical asparaginase. <i>Biochemical Pharmacology</i> , 2020, 182, 114230.	2.0	6
34	Serum Proteomics Reveals Alterations in Protease Activity, Axon Guidance, and Visual Phototransduction Pathways in Infants With In Utero Exposure to Zika Virus Without Congenital Zika Syndrome. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 577819.	1.8	10
35	The intracellular bacterium <i>Rickettsia rickettsii</i> exerts an inhibitory effect on the apoptosis of tick cells. <i>Parasites and Vectors</i> , 2020, 13, 603.	1.0	11
36	Lights and Shadows of TORCH Infection Proteomics. <i>Genes</i> , 2020, 11, 894.	1.0	10

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37	Glycosylation of Erwinase results in active protein less recognized by antibodies. <i>Biochemical Engineering Journal</i> , 2020, 163, 107750.	1.8	12
38	Cellular Imprinting Proteomics Assay: A Novel Method for Detection of Neural and Ocular Disorders Applied to Congenital Zika Virus Syndrome. <i>Journal of Proteome Research</i> , 2020, 19, 4496-4515.	1.8	20
39	Protein glycosylation in <i>Leishmania</i> spp.. <i>Molecular Omics</i> , 2020, 16, 407-424.	1.4	17
40	Global changes in nitration levels and DNA binding profile of <i>Trypanosoma cruzi</i> histones induced by incubation with host extracellular matrix. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008262.	1.3	5
41	Phosphoproteomics of <i>Aspergillus fumigatus</i> Exposed to the Antifungal Drug Caspofungin. <i>MSphere</i> , 2020, 5, .	1.3	9
42	Lipoatrophy-Associated Insulin Resistance and Hepatic Steatosis are Attenuated by Intake of Diet Rich in Omega 3 Fatty Acids. <i>Molecular Nutrition and Food Research</i> , 2020, 64, 1900833.	1.5	9
43	Glycosylation of L-asparaginase from <i>E. coli</i> through yeast expression and site-directed mutagenesis. <i>Biochemical Engineering Journal</i> , 2020, 156, 107516.	1.8	16
44	Inflammasome activation and IL-1 signaling during placental malaria induce poor pregnancy outcomes. <i>Science Advances</i> , 2020, 6, eaax6346.	4.7	40
45	Protein Paucimannosylation Is an Enriched N-Glycosylation Signature of Human Cancers. <i>Proteomics</i> , 2019, 19, e1900010.	1.3	52
46	Proteomics and Leishmaniasis: Potential Clinical Applications. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800136.	0.8	14
47	Tissue Proteome Signatures Associated with Five Grades of Prostate Cancer and Benign Prostatic Hyperplasia. <i>Proteomics</i> , 2019, 19, e1900174.	1.3	27
48	Impact of <i>Plasmodium berghei</i> infection on autophagic profile and structure of mice placenta. <i>Placenta</i> , 2019, 83, e92.	0.7	0
49	Heat shock protein B1 is a key mediator of prolactin-induced beta-cell cytoprotection against oxidative stress. <i>Free Radical Biology and Medicine</i> , 2019, 134, 394-405.	1.3	15
50	Detergent-resistant domains in <i>Spodoptera frugiperda</i> midgut microvillar membranes and their relation to microapocrine secretion. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2019, 235, 8-18.	0.7	8
51	Zika Virus Impairs Neurogenesis and Synaptogenesis Pathways in Human Neural Stem Cells and Neurons. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 64.	1.8	65
52	Liver proteomics unravel the metabolic pathways related to Feed Efficiency in beef cattle. <i>Scientific Reports</i> , 2019, 9, 5364.	1.6	43
53	Novel site-specific PEGylated L-asparaginase. <i>PLoS ONE</i> , 2019, 14, e0211951.	1.1	26
54	Impression Cytology Is a Non-invasive and Effective Method for Ocular Cell Retrieval of Zika Infected Babies: Perspectives in OMIC Studies. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 279.	1.4	9

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55	Aspergillus fumigatus calcium-responsive transcription factors regulate cell wall architecture promoting stress tolerance, virulence and caspofungin resistance. PLoS Genetics, 2019, 15, e1008551.	1.5	34
56	Integrated Proteomics Reveals Apoptosis-related Mechanisms Associated with Placental Malaria*. Molecular and Cellular Proteomics, 2019, 18, 182-199.	2.5	15
57	Technical challenges of working with extracellular vesicles. Nanoscale, 2018, 10, 881-906.	2.8	366
58	Inhibition of histone methyltransferase EZH2 in Schistosoma mansoni in vitro by GSK343 reduces egg laying and decreases the expression of genes implicated in DNA replication and noncoding RNA metabolism. PLoS Neglected Tropical Diseases, 2018, 12, e0006873.	1.3	25
59	Development of a Trypanosoma cruzi strain typing assay using MS2 peptide spectral libraries (Tc-STAMS2). PLoS Neglected Tropical Diseases, 2018, 12, e0006351.	1.3	12
60	NS1 codon usage adaptation to humans in pandemic Zika virus. Memorias Do Instituto Oswaldo Cruz, 2018, 113, e170385.	0.8	11
61	Snake Venom Extracellular vesicles (SVEVs) reveal wide molecular and functional proteome diversity. Scientific Reports, 2018, 8, 12067.	1.6	20
62	Proteome-Wide Analysis of Trypanosoma cruzi Exponential and Stationary Growth Phases Reveals a Subcellular Compartment-Specific Regulation. Genes, 2018, 9, 413.	1.0	32
63	Distinct urinary glycoprotein signatures in prostate cancer patients. Oncotarget, 2018, 9, 33077-33097.	0.8	33
64	Protein glycosylation in Trypanosoma cruzi and mass spectrometry-based strategies for glycan and glycoprotein characterization. , 2018, , .		0
65	Comprehensive glycoprofiling of the epimastigote and trypomastigote stages of Trypanosoma cruzi. Journal of Proteomics, 2017, 151, 182-192.	1.2	52
66	7-Ketocholesterol overcomes drug resistance in chronic myeloid leukemia cell lines beyond MDR1 mechanism. Journal of Proteomics, 2017, 151, 12-23.	1.2	22
67	Novel DNA coding regions and protein arginylation reveal unexplored T. cruzi proteome and PTMs. International Journal of Mass Spectrometry, 2017, 418, 51-66.	0.7	4
68	Role of cathepsins D in the midgut of Dysdercus peruvianus. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2017, 204, 45-52.	0.7	20
69	MP87-03 URINARY MMP-9 AS CANDIDATE FOR A NON-INVASIVE PROSTATE CANCER BIOMARKER REVEALED BY QUANTITATIVE PROTEOMICS ANALYSIS. Journal of Urology, 2017, 197, .	0.2	0
70	Outside-in, inside-out: Proteomic analysis of endothelial stress mediated by 7-ketocholesterol. Chemistry and Physics of Lipids, 2017, 207, 231-238.	1.5	20
71	A Perspective on Extracellular Vesicles Proteomics. Frontiers in Chemistry, 2017, 5, 102.	1.8	106
72	Analysis of the Salivary Gland Transcriptome of Unfed and Partially Fed Amblyomma sculptum Ticks and Descriptive Proteome of the Saliva. Frontiers in Cellular and Infection Microbiology, 2017, 7, 476.	1.8	79

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73	Extracellular Vesicles in Brain Tumors and Neurodegenerative Diseases. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 276.	1.4	87
74	Quantitative proteomic analysis of amastigotes from <i>Leishmania (L.) amazonensis</i> LV79 and PH8 strains reveals molecular traits associated with the virulence phenotype. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0006090.	1.3	22
75	Single-target high-throughput transcription analyses reveal high levels of alternative splicing present in the FPPS/GGPPS from <i>Plasmodium falciparum</i> . <i>Scientific Reports</i> , 2016, 5, 18429.	1.6	14
76	Simultaneous Enrichment of Cysteine-containing Peptides and Phosphopeptides Using a Cysteine-specific Phosphonate Adaptable Tag (CysPAT) in Combination with titanium dioxide (TiO ₂) Chromatography. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3282-3296.	2.5	55
77	Direct identification of trypanosomatids by matrix-assisted laser desorption ionization-time of flight mass spectrometry (DIT MALDI-TOF MS). <i>Journal of Mass Spectrometry</i> , 2016, 51, 549-557.	0.7	13
78	A novel mass spectrometric strategy "BEMAP" reveals Extensive O-linked protein glycosylation in Enterotoxigenic <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2016, 6, 32016.	1.6	21
79	Site-specific characterization of N-linked glycosylation in human urinary glycoproteins and endogenous glycopeptides. <i>Glycoconjugate Journal</i> , 2016, 33, 937-951.	1.4	15
80	Unraveling incompatibility between wheat and the fungal pathogen <i>Zymoseptoria tritici</i> through apoplastic proteomics. <i>BMC Genomics</i> , 2015, 16, 362.	1.2	37
81	Optimization of calmodulin-affinity chromatography for brain and organelles. <i>EuPA Open Proteomics</i> , 2015, 8, 55-67.	2.5	1
82	Quantitative proteomics analysis of platelet-derived microparticles reveals distinct protein signatures when stimulated by different physiological agonists. <i>Journal of Proteomics</i> , 2015, 121, 56-66.	1.2	81
83	Automated N-glycan profiling of a mutant <i>Trypanosoma rangeli</i> sialidase expressed in <i>Pichia pastoris</i> , using tandem mass spectrometry and bioinformatics. <i>Glycobiology</i> , 2015, 25, 1350-1361.	1.3	6
84	Comprehensive Quantitative Comparison of the Membrane Proteome, Phosphoproteome, and Sialome of Human Embryonic and Neural Stem Cells. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 311-328.	2.5	58
85	Quantitative phosphoproteomic analysis of porcine muscle within 24 h postmortem. <i>Journal of Proteomics</i> , 2014, 106, 125-139.	1.2	49
86	Proteins differentially expressed in human beta-cells-enriched pancreatic islet cultures and human insulinomas. <i>Molecular and Cellular Endocrinology</i> , 2013, 381, 16-25.	1.6	3
87	Isotope Labeling-Based Quantitative Proteomics of Developing Seeds of Castor Oil Seed (<i>Ricinus</i>) Tj ETQq1 1 0.784314 rgBT /Overbo 1.8 27	1.8	27
88	Structural analysis of glycoprotein sialylation " Part I: pre-LC-MS analytical strategies. <i>RSC Advances</i> , 2013, 3, 22683.	1.7	46
89	Structural analysis of glycoprotein sialylation " part II: LC-MS based detection. <i>RSC Advances</i> , 2013, 3, 22706.	1.7	81
90	Battle through Signaling between Wheat and the Fungal Pathogen <i>Septoria tritici</i> Revealed by Proteomics and Phosphoproteomics. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2497-2508.	2.5	58

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91	Characterization of Membrane-shed Microvesicles from Cytokine-stimulated $\hat{2}$ -Cells Using Proteomics Strategies. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 230-243.	2.5	105
92	Modulation of Protein Phosphorylation, N-Glycosylation and Lys-Acetylation in Grape (<i>Vitis vinifera</i>) Mesocarp and Exocarp Owing to <i>Lobesia botrana</i> Infection. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 945-956.	2.5	118
93	A Novel Method for the Simultaneous Enrichment, Identification, and Quantification of Phosphopeptides and Sialylated Glycopeptides Applied to a Temporal Profile of Mouse Brain Development. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1191-1202.	2.5	121
94	Respiratory chain complex I, a main regulatory target of the cAMP/PKA pathway is defective in different human diseases. <i>FEBS Letters</i> , 2012, 586, 568-577.	1.3	75
95	Proteomic profile of the nucellus of castor bean (<i>Ricinus communis</i> L.) seeds during development. <i>Journal of Proteomics</i> , 2012, 75, 1933-1939.	1.2	31
96	Performance of Isobaric and Isotopic Labeling in Quantitative Plant Proteomics. <i>Journal of Proteome Research</i> , 2012, 11, 3046-3052.	1.8	52
97	Chemical Deamidation: A Common Pitfall in Large-Scale N-Linked Glycoproteomic Mass Spectrometry-Based Analyses. <i>Journal of Proteome Research</i> , 2012, 11, 1949-1957.	1.8	151
98	Global proteome changes in larvae of <i>Callosobruchus maculatus</i> <i>Proteomics</i> , 2012, 12, 2704-2715.	1.3	30
99	Abstract P3-04-05: Kinomic and phospho-proteomic analysis of breast cancer stem-like cells. , 2012, , .		0
100	Purification and Identification of O-GlcNAc-Modified Peptides Using Phosphate-Based Alkyne CLICK Chemistry in Combination with Titanium Dioxide Chromatography and Mass Spectrometry. <i>Journal of Proteome Research</i> , 2011, 10, 1449-1458.	1.8	45
101	Titanium Dioxide Enrichment of Sialic Acid-Containing Glycopeptides. <i>Methods in Molecular Biology</i> , 2011, 753, 309-322.	0.4	32
102	Multidimensional Strategy for Sensitive Phosphoproteomics Incorporating Protein Prefractionation Combined with SIMAC, HILIC, and TiO ₂ Chromatography Applied to Proximal EGF Signaling. <i>Journal of Proteome Research</i> , 2011, 10, 5383-5397.	1.8	63
103	Proteomics of the oxidative stress response induced by hydrogen peroxide and paraquat reveals a novel AhpC-like protein in <i>Pseudomonas aeruginosa</i> . <i>Proteomics</i> , 2011, 11, 3056-3069.	1.3	27
104	Quantitative N-linked Glycoproteomics of Myocardial Ischemia and Reperfusion Injury Reveals Early Remodeling in the Extracellular Environment. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.006833.	2.5	101
105	Glycoproteomic Profile in Wine: A "Sweet" Molecular Renaissance. <i>Journal of Proteome Research</i> , 2010, 9, 6148-6159.	1.8	45
106	Selective enrichment of sialic acid-containing glycopeptides using titanium dioxide chromatography with analysis by HILIC and mass spectrometry. <i>Nature Protocols</i> , 2010, 5, 1974-1982.	5.5	225
107	Carotenoid and Chlorophyll-derived Compounds in Some Wine Grapes Grown in Apulian Region. <i>Journal of Food Science</i> , 2010, 75, S191-8.	1.5	21
108	Strategies for quantitation of phosphoproteomic data. <i>Expert Review of Proteomics</i> , 2010, 7, 439-456.	1.3	20

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109	Undesirable Charge-Enhancement of Isobaric Tagged Phosphopeptides Leads to Reduced Identification Efficiency. <i>Journal of Proteome Research</i> , 2010, 9, 4045-4052.	1.8	117
110	Utilizing Ion-Pairing Hydrophilic Interaction Chromatography Solid Phase Extraction for Efficient Glycopeptide Enrichment in Glycoproteomics. <i>Analytical Chemistry</i> , 2010, 82, 5598-5609.	3.2	264
111	Phosphorylation pattern of the NDUF54 subunit of complex I of the mammalian respiratory chain. <i>Mitochondrion</i> , 2010, 10, 464-471.	1.6	41
112	Quantitative phosphoproteomics of depolarization-dependent protein phosphorylation in nerve terminals. <i>FASEB Journal</i> , 2010, 24, 905.2.	0.2	0
113	Mammalian complex I: A regulable and vulnerable pacemaker in mitochondrial respiratory function. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 719-728.	0.5	80
114	The phosphorylation pattern of bovine heart complex I subunits. <i>Proteomics</i> , 2007, 7, 1575-1583.	1.3	60
115	MYCN Regulates Metabolism Through Vesicular Transfer of Glycolytic Kinases. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1