Jose Osvaldo Previato

List of Publications by Year
in descending order

101 papers	3,536 citations	117571 34 h-index	161767 54 g-index
103 all docs	103 docs citations	103 times ranked	3196 citing authors

#	Article	IF	Citations
1	Expression of Functional TLR4 Confers Proinflammatory Responsiveness toTrypanosoma cruziGlycoinositolphospholipids and Higher Resistance to Infection withT. cruzi. Journal of Immunology, 2004, 173, 5688-5696.	0.4	205
2	Incorporation of sialic acid into Trypanosoma cruzi macromolecules. A proposal for a new metabolic route. Molecular and Biochemical Parasitology, 1985, 16, 85-96.	0.5	197
3	Structural Characterization of the Major Glycosylphosphatidylinositol Membrane-anchored Glycoprotein from Epimastigote Forms of Trypanosoma cruzi Y-strain. Journal of Biological Chemistry, 1995, 270, 7241-7250.	1.6	141
4	Capsular polysaccharides from Cryptococcus neoformans modulate production of neutrophil extracellular traps (NETs) by human neutrophils. Scientific Reports, 2015, 5, 8008.	1.6	110
5	Capsular polysaccharides galactoxylomannan and glucuronoxylomannan from Cryptococcus neoformans induce macrophage apoptosis mediated by Fas ligand. Cellular Microbiology, 2008, 10, 1274-1285.	1.1	109
6	Understanding the laminated layer of larval Echinococcus I: structure. Trends in Parasitology, 2011, 27, 204-213.	1.5	104
7	Endophytic colonization of rice (Oryza sativa L.) by the diazotrophic bacterium Burkholderia kururiensis and its ability to enhance plant growth. Anais Da Academia Brasileira De Ciencias, 2008, 80, 477-493.	0.3	94
8	Biosynthesis ofO -N -Acetylglucosamine-linked Glycans inTrypanosoma cruzi. Journal of Biological Chemistry, 1998, 273, 14982-14988.	1.6	72
9	Thetrans-sialidase, the majorTrypanosoma cruzivirulence factor: Three decades of studies. Glycobiology, 2015, 25, 1142-1149.	1.3	71
10	Chemical structure and antigenic aspects of complexes obtained from epimastigotes of Trypanosoma cruzi. Biochemistry, 1983, 22, 4980-4987.	1.2	69
11	Structural variation in the glycoinositolphospholipids of different strains ofTrypanosoma cruzi. Glycoconjugate Journal, 1996, 13, 955-966.	1.4	68
12	Glycoinositolphospholipid from Trypanosoma cruzi: Structure, Biosynthesis and Immunobiology. Advances in Parasitology, 2003, 56, 1-41.	1.4	66
13	Costimulation of Host T Lymphocytes by a Trypanosomaltrans-Sialidase: Involvement of CD43 Signaling. Journal of Immunology, 2002, 168, 5192-5198.	0.4	64
14	Toxic effects of natural piperine and its derivatives on epimastigotes and amastigotes of Trypanosoma cruzi. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 3555-3558.	1.0	62
15	Protozoan parasite-specific carbohydrate structures. Current Opinion in Structural Biology, 2005, 15, 499-505.	2.6	61
16	Enzymatically Inactive trans-Sialidase from Trypanosoma cruzi Binds Sialyl and Î²-Galactopyranosyl Residues in a Sequential Ordered Mechanism. Journal of Biological Chemistry, 2004, 279, 5323-5328.	1.6	54
17	Effects of Iron Limitation on Adherence and Cell Surface Carbohydrates of Corynebacterium diphtheriae Strains. Applied and Environmental Microbiology, 2003, 69, 5907-5913.	1.4	53
18	Structure of the N-linked oligosaccharide of the main diagnostic antigen of the pathogenic fungus Paracoccidiodes brasiliensis. Glycobiology, 1996, 6, 507-515.	1.3	52

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19	trans-Sialidase from Trypanosoma cruziBinds Host T-lymphocytes in a Lectin Manner. Journal of Biological Chemistry, 2002, 277, 45962-45968.	1.6	52
20	Heterogeneity in the Biosynthesis of MucinO-Glycans fromTrypanosoma cruziTulahuen Strain with the Expression of Novel Galactofuranosyl-Containing Oligosaccharidesâ€. Biochemistry, 2004, 43, 11889-11897.	1.2	52
21	Trypanosoma cruzi Subverts Host Cell Sialylation and May Compromise Antigen-specific CD8+ T Cell Responses. Journal of Biological Chemistry, 2010, 285, 13388-13396.	1.6	49
22	Immunomodulatory Role of Capsular Polysaccharides Constituents of Cryptococcus neoformans. Frontiers in Medicine, 2019, 6, 129.	1.2	49
23	Proinflammatory and Cytotoxic Effects of Hexadecylphosphocholine (Miltefosine) against Drug-Resistant Strains of Trypanosoma cruzi. Antimicrobial Agents and Chemotherapy, 2002, 46, 3472-3477.	1.4	48
24	Involvement of Fungal Cell Wall Components in Adhesion of Sporothrix schenckii to Human Fibronectin. Infection and Immunity, 2001, 69, 6874-6880.	1.0	47
25	Design, Synthesis and Trypanocidal Evaluation of Novel 1,2,4-Triazoles-3-thiones Derived from Natural Piperine. Molecules, 2013, 18, 6366-6382.	1.7	46
26	Glycosylation in Cancer: Interplay between Multidrug Resistance and Epithelial-to-Mesenchymal Transition?. Frontiers in Oncology, 2016, 6, 158.	1.3	46
27	High Diversity in Mucin Genes and Mucin Molecules in Trypanosoma cruzi. Journal of Biological Chemistry, 1996, 271, 32078-32083.	1.6	44
28	Soluble and insoluble glucans from different cell types of the human pathogen Sporothrix schenckii. Experimental Mycology, 1979, 3, 92-105.	1.8	43
29	Structure of O-glycosidically linked oligosaccharides from glycoproteins of Trypanosoma cruzi CL-Brener strain: evidence for the presence of O-linked sialyl-oligosaccharides. Glycobiology, 2001, 11, 47-55.	1.3	43
30	Molecular analysis of a novel family of complex glycoinositolphosphoryl ceramides from Cryptococcus neoformans: structural differences between encapsulated and acapsular yeast forms. Glycobiology, 2002, 12, 409-420.	1.3	43
31	Novel antigenic determinants from peptidorhamnomannans of Sporothrix schenckii. Glycobiology, 1994, 4, 281-288.	1.3	42
32	Endothelial cell signalling induced by trans-sialidase from Trypanosoma cruzi. Cellular Microbiology, 2007, 10, 070802104926002-???.	1.1	42
33	Structure of the D-Mannan and D-Arabino-D-Galactan inCrithidia fasciculata: Changes in Proportion with Age of Culture*. Journal of Protozoology, 1979, 26, 473-478.	0.9	39
34	Characterization of the inositol phosphorylceramide synthase activity from Trypanosoma cruzi. Biochemical Journal, 2005, 387, 519-529.	1.7	37
35	A novel sialylated and galactofuranose-containing O-linked glycan, Neu5AcÎ±2â†'3GalpÎ²1â†'6(GalfÎ²1â†'4)GlcNAc, is expressed on the sialoglycoprotein of Trypanosoma cruzi Dm28c. Molecular and Biochemical Parasitology, 2003, 126, 93-96.	0.5	36
36	Characterization of glycoinositolphosphoryl ceramide structure mutant strains of Cryptococcus neoformans. Glycobiology, 2007, 17, 1C-1C.	1.3	36

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37	Overlooked post-translational modifications of proteins in Plasmodium falciparum: N- and O-glycosylation - A Review. Memorias Do Instituto Oswaldo Cruz, 2010, 105, 949-956.	0.8	36
38	Structural elucidation of the repeat unit in highly branched acidic exopolysaccharides produced by nitrogen fixing Burkholderia. Glycobiology, 2010, 20, 338-347.	1.3	34
39	Mannoprotein MP84 mediates the adhesion of Cryptococcus neoformans to epithelial lung cells. Frontiers in Cellular and Infection Microbiology, 2014, 4, 106.	1.8	34
40	Toll-like receptor 4 (TLR4)-dependent proinflammatory and immunomodulatory properties of the glycoinositolphospholipid (GIPL) from Trypanosoma cruzi. Journal of Leukocyte Biology, 2007, 82, 488-496.	1.5	32
41	Characterization of novel structures of mannosylinositolphosphorylceramides from the yeast forms ofSporothrix schenckii. FEBS Journal, 2001, 268, 4243-4250.	0.2	31
42	The toxic effects of piperine against Trypanosoma cruzi: ultrastructural alterations and reversible blockage of cytokinesis in epimastigote forms. Parasitology Research, 2008, 102, 1059-1067.	0.6	31
43	A new class of mechanism-based inhibitors for Trypanosoma cruzi trans-sialidase and their influence on parasite virulence. Glycobiology, 2010, 20, 1034-1045.	1.3	31
44	Addition of Î±-O-GlcNAc to threonine residues define the post-translational modification of mucin-like molecules in Trypanosoma cruzi. Glycoconjugate Journal, 2013, 30, 659-666.	1.4	31
45	Structure of an acidic exopolysaccharide produced by the diazotrophic endophytic bacteriumBurkholderia brasiliensis. FEBS Journal, 2001, 268, 3174-3179.	0.2	30
46	The Major Surface Carbohydrates of the Echinococcus granulosus Cyst: Mucin-Type O-Glycans Decorated by Novel Galactose-Based Structures. Biochemistry, 2009, 48, 11678-11691.	1.2	30
47	Glycoinositol phospholipids from Trypanosoma cruzi transmit signals to the cells of the host immune system through both ceramide and glycan chains. Microbes and Infection, 2002, 4, 1007-1013.	1.0	28
48	Novel 1,3,4-thiadiazolium-2-phenylamine chlorides derived from natural piperine as trypanocidal agents: Chemical and biological studies. Bioorganic and Medicinal Chemistry, 2008, 16, 2984-2991.	1.4	28
49	Chemical Structure of Major Glycoconjugates from Parasites. Current Organic Chemistry, 2008, 12, 926-939.	0.9	27
50	Draft Genome Sequence of the Rice Endophyte Burkholderia kururiensis M130. Genome Announcements, 2013, 1, e0022512.	0.8	27
51	Cell wall composition in different cell types of the dimorphic species Sporothrix schenckii. Experimental Mycology, 1979, 3, 83-91.	1.8	25
52	Crithidia spp.: Structural comparison of polysaccharides for taxonomic significance. Experimental Parasitology, 1982, 53, 170-178.	0.5	25
53	Chemical characterisation of glycosylinositolphospholipids of Herpetomonas samuelpessoai. Molecular and Biochemical Parasitology, 1995, 69, 81-92.	0.5	25
54	Nitrogen-fixing bacterium Burkholderia brasiliensis produces a novel yersiniose A-containing O-polysaccharide. Glycobiology, 2004, 15, 313-321.	1.3	24

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55	Trypanosoma cruzi Adjuvants Potentiate T Cell-Mediated Immunity Induced by a NY-ESO-1 Based Antitumor Vaccine. PLoS ONE, 2012, 7, e36245.	1.1	24
56	Leishmania adleri, a lizard parasite, expresses structurally similar glycoinositolphospholipids to mammalian Leishmania. Glycobiology, 1997, 7, 687-695.	1.3	23
57	Molecular analysis of a UDP-GlcNAc:polypeptide Î±-N-acetylglucosaminyltransferase implicated in the initiation of mucin-type O-glycosylation in Trypanosoma cruzi. Glycobiology, 2009, 19, 918-933.	1.3	23
58	Identification and Functional Analysis of Trypanosoma cruzi Genes That Encode Proteins of the Glycosylphosphatidylinositol Biosynthetic Pathway. PLoS Neglected Tropical Diseases, 2013, 7, e2369.	1.3	22
59	Theft and Reception of Host Cell's Sialic Acid: Dynamics of Trypanosoma Cruzi Trans-sialidases and Mucin-Like Molecules on Chagas' Disease Immunomodulation. Frontiers in Immunology, 2019, 10, 164.	2.2	22
60	Glycoinositolphospholipids from Trypanosomatids Subvert Nitric Oxide Production in Rhodnius prolixus Salivary Glands. PLoS ONE, 2012, 7, e47285.	1.1	22
61	Further structural characterization of the Echinococcus granulosus laminated layer carbohydrates: The blood-antigen P1-motif gives rise to branches at different points of the O-glycan chains. Glycobiology, 2013, 23, 438-452.	1.3	21
62	Piperine Inhibits TGF-Î² Signaling Pathways and Disrupts EMT-Related Events in Human Lung Adenocarcinoma Cells. Medicines (Basel, Switzerland), 2020, 7, 19.	0.7	21
63	Characterization of dolichol monophosphate- and dolichol diphosphate-linked saccharides in trypanosomatid flagellatesâ^—. Molecular and Biochemical Parasitology, 1986, 18, 343-353.	0.5	20
64	Isolation and characterization of the Golgi complex of the protozoan Trypanosoma cruzi. Parasitology, 2001, 123, 33-43.	0.7	20
65	Costimulatory action of glycoinositolphospholipids fromTrypanosoma cruzi:increased interleukin 2 secretion and induction of nuclear translocation of the nuclear factor of activated T cells 1. FASEB Journal, 1999, 13, 1627-1636.	0.2	18
66	Functional Characterization of ABCC Proteins from Trypanosoma cruzi and Their Involvement with Thiol Transport. Frontiers in Microbiology, 2018, 9, 205.	1.5	18
67	Overexpression of the aldose reductaseGRE3 suppresses lithium-induced galactose toxicity inSaccharomyces cerevisiae. FEMS Yeast Research, 2008, 8, 1245-1253.	1.1	17
68	Î±-N-acetylglucosamine-linked O-glycans of sialoglycoproteins (Tc-mucins) from Trypanosoma cruzi Colombiana strain. Memorias Do Instituto Oswaldo Cruz, 2009, 104, 270-274.	0.8	17
69	Lithium-mediated suppression of morphogenesis and growth in Candida albicans. FEMS Yeast Research, 2008, 8, 615-621.	1.1	15
70	Sorting of phosphoglucomutase to glycosomes in Trypanosoma cruzi is mediated by an internal domain. Glycobiology, 2009, 19, 1462-1472.	1.3	15
71	Involvement of the capsular GalXM-induced IL-17 cytokine in the control of Cryptococcus neoformans infection. Scientific Reports, 2018, 8, 16378.	1.6	15
72	Molecular and functional characterization of the ceramide synthase from Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2012, 182, 62-74.	0.5	13

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73	Modulation of Cell Sialoglycophenotype: A Stylish Mechanism Adopted by Trypanosoma cruzi to Ensure Its Persistence in the Infected Host. Frontiers in Microbiology, 2016, 7, 698.	1.5	13
74	A novel Î²-D-(1â†'2)-linked D-mannopyranÄn from Crithidia deanei. Carbohydrate Research, 1979, 70, 172-174.	1.1	12
75	Structural analysis of novel rhamnose-branched oligosaccharides from the glycophosphosphingolipids ofLeptomonas samueli. Glycoconjugate Journal, 1994, 11, 23-33.	1.4	12
76	Distribution of theO-acetyl groups and Î²-galactofuranose units in galactoxylomannans of the opportunistic fungusCryptococcus neoformans. Glycobiology, 2016, 27, 582-592.	1.3	12
77	Cloning and characterization of the phosphoglucomutase of Trypanosoma cruzi and functional complementation of a Saccharomyces cerevisiae PGM null mutant. Glycobiology, 2005, 15, 1359-1367.	1.3	11
78	Resistance to paclitaxel induces glycophenotype changes and mesenchymal-to-epithelial transition activation in the human prostate cancer cell line PC-3. Tumor Biology, 2020, 42, 101042832095750.	0.8	11
79	Modulation of Sodium Pumps by Steroidal Saponins. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2004, 59, 432-436.	0.6	10
80	The role of Toll-like receptor 9 in a murine model of Cryptococcus gattii infection. Scientific Reports, 2021, 11, 1407.	1.6	10
81	Resistance to cisplatin in human lung adenocarcinoma cells: effects on the glycophenotype and epithelial to mesenchymal transition markers. Glycoconjugate Journal, 2022, 39, 247-259.	1.4	10
82	Formation of (1[Rightwards Arrow]2)-Linked b-D-Mannopyranan by Leishmania mexicana amazonensis: Relationship with Certain Crithidia and Herpetomonas Species. Journal of Parasitology, 1984, 70, 449.	0.3	8
83	Role of Inactive and Active Trypanosoma cruzi Trans-sialidases on T Cell Homing and Secretion of Inflammatory Cytokines. Frontiers in Microbiology, 2017, 8, 1307.	1.5	8
84	Differentiation of Capsular Polysaccharides from Acetobacter diazotrophicus Strains Isolated from Sugarcane. Microbiology and Immunology, 1995, 39, 237-242.	0.7	7
85	Structure of the repeating oligosaccharide from the lipopolysaccharide of the nitrogen-fixing bacterium Acetobacter diazotrophicus strain PAL 5. Carbohydrate Research, 1997, 298, 311-318.	1.1	7
86	NMR assignments for glucosylated and galactosylated N-acetylhexosaminitols: oligosaccharide alditols related to O-linked glycans from the protozoan parasite Trypanosoma cruzi. Carbohydrate Research, 2000, 328, 321-330.	1.1	7
87	Characterization of two heparan sulphate-binding sites in the mycobacterial adhesin Hlp. BMC Microbiology, 2008, 8, 75.	1.3	7
88	X-linked immunodeficient (XID) mice exhibit high susceptibility to Cryptococcus gattii infection. Scientific Reports, 2021, 11, 18397.	1.6	7
89	Trypanosoma cruzi trans-Sialidase as a Potential Vaccine Target Against Chagas Disease. Frontiers in Cellular and Infection Microbiology, 2021, 11, 768450.	1.8	7
90	Structure determination of phosphoinositol oligosaccharides from parasitic protozoa using fast atom bombardment mass spectrometry. Organic Mass Spectrometry, 1994, 29, 767-781.	1.3	6

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91	Glycoinositolphospholipids from Trypanosoma cruzi induce B cell hyper-responsiveness in vivo. Glycoconjugate Journal, 2000, 17, 727-734.	1.4	6
92	Glycobiology of Cancer: Sugar Drives the Show. Medicines (Basel, Switzerland), 2022, 9, 34.	0.7	6
93	Some structural features of polysaccharide components of the protozoan Leishmania tarentoloe. Carbohydrate Research, 1981, 97, 156-160.	1.1	5
94	The structure of a complex glycosylphosphatidyl inositol-anchored glucoxylan from the kinetoplastid protozoan Leptomonas samueli. FEBS Journal, 2000, 267, 5387-5396.	0.2	5
95	Editorial: Glycosylation Changes in Cancer: An Innovative Frontier at the Interface of Cancer and Glycobiology. Frontiers in Oncology, 2016, 6, 254.	1.3	5
96	Characterization of the 6-O-acetylated lipoglucuronomannogalactan a novel Cryptococcus neoformans cell wall polysaccharide. Carbohydrate Research, 2019, 475, 1-10.	1.1	5
97	Cryptococcus: History, Epidemiology and Immune Evasion. Applied Sciences (Switzerland), 2022, 12, 7086.	1.3	5
98	B cell response during infection with the MAT a and MAT alpha mating types of Cryptococcus neoformans. Microbes and Infection, 2005, 7, 118-125.	1.0	4
99	Expanding the knowledge of the chemical structure of glycoconjugates from Trypanosoma cruzi TcI genotype. Contribution to taxonomic studies. Anais Da Academia Brasileira De Ciencias, 2016, 88, 1519-1529.	0.3	4
100	Structural features and antigenic properties of carbohydrate-containing components of Trypanosoma conorhini. Molecular and Biochemical Parasitology, 1987, 26, 193-202.	0.5	2
101	Intrinsic and Chemotherapeutic Stressors Modulate ABCC-Like Transport in Trypanosoma cruzi. Molecules, 2021, 26, 3510.	1.7	2