

Jose Osvaldo Previato

List of Publications by Year in descending order

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101
papers

3,536
citations

117453

34
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161609

54
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103
all docs

103
docs citations

103
times ranked

3196
citing authors

#	ARTICLE	IF	CITATIONS
1	Resistance to cisplatin in human lung adenocarcinoma cells: effects on the glyco phenotype and epithelial to mesenchymal transition markers. <i>Glycoconjugate Journal</i> , 2022, 39, 247-259.	1.4	10
2	Glycobiology of Cancer: Sugar Drives the Show. <i>Medicines (Basel, Switzerland)</i> , 2022, 9, 34.	0.7	6
3	<i>Cryptococcus</i> : History, Epidemiology and Immune Evasion. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 7086.	1.3	5
4	Intrinsic and Chemotherapeutic Stressors Modulate ABCC-Like Transport in <i>Trypanosoma cruzi</i> . <i>Molecules</i> , 2021, 26, 3510.	1.7	2
5	X-linked immunodeficient (XID) mice exhibit high susceptibility to <i>Cryptococcus gattii</i> infection. <i>Scientific Reports</i> , 2021, 11, 18397.	1.6	7
6	The role of Toll-like receptor 9 in a murine model of <i>Cryptococcus gattii</i> infection. <i>Scientific Reports</i> , 2021, 11, 1407.	1.6	10
7	<i>Trypanosoma cruzi</i> trans-Sialidase as a Potential Vaccine Target Against Chagas Disease. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 768450.	1.8	7
8	Resistance to paclitaxel induces glyco phenotype changes and mesenchymal-to-epithelial transition activation in the human prostate cancer cell line PC-3. <i>Tumor Biology</i> , 2020, 42, 101042832095750.	0.8	11
9	Piperine Inhibits TGF- β 2 Signaling Pathways and Disrupts EMT-Related Events in Human Lung Adenocarcinoma Cells. <i>Medicines (Basel, Switzerland)</i> , 2020, 7, 19.	0.7	21
10	Immunomodulatory Role of Capsular Polysaccharides Constituents of <i>Cryptococcus neoformans</i> . <i>Frontiers in Medicine</i> , 2019, 6, 129.	1.2	49
11	Theft and Reception of Host Cell's Sialic Acid: Dynamics of <i>Trypanosoma Cruzi</i> Trans-sialidases and Mucin-Like Molecules on Chagas' Disease Immunomodulation. <i>Frontiers in Immunology</i> , 2019, 10, 164.	2.2	22
12	Characterization of the 6-O-acetylated lipoglucuronomannogalactan a novel <i>Cryptococcus neoformans</i> cell wall polysaccharide. <i>Carbohydrate Research</i> , 2019, 475, 1-10.	1.1	5
13	Involvement of the capsular GalXM-induced IL-17 cytokine in the control of <i>Cryptococcus neoformans</i> infection. <i>Scientific Reports</i> , 2018, 8, 16378.	1.6	15
14	Functional Characterization of ABCC Proteins from <i>Trypanosoma cruzi</i> and Their Involvement with Thiol Transport. <i>Frontiers in Microbiology</i> , 2018, 9, 205.	1.5	18
15	Role of Inactive and Active <i>Trypanosoma cruzi</i> Trans-sialidases on T Cell Homing and Secretion of Inflammatory Cytokines. <i>Frontiers in Microbiology</i> , 2017, 8, 1307.	1.5	8
16	Expanding the knowledge of the chemical structure of glycoconjugates from <i>Trypanosoma cruzi</i> TcI genotype. Contribution to taxonomic studies. <i>Anais Da Academia Brasileira De Ciencias</i> , 2016, 88, 1519-1529.	0.3	4
17	Modulation of Cell Sialoglyco phenotype: A Stylish Mechanism Adopted by <i>Trypanosoma cruzi</i> to Ensure Its Persistence in the Infected Host. <i>Frontiers in Microbiology</i> , 2016, 7, 698.	1.5	13
18	Glycosylation in Cancer: Interplay between Multidrug Resistance and Epithelial-to-Mesenchymal Transition?. <i>Frontiers in Oncology</i> , 2016, 6, 158.	1.3	46

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19	Editorial: Glycosylation Changes in Cancer: An Innovative Frontier at the Interface of Cancer and Glycobiology. <i>Frontiers in Oncology</i> , 2016, 6, 254.	1.3	5
20	Distribution of the O-acetyl groups and β -galactofuranose units in galactoxylomannans of the opportunistic fungus <i>Cryptococcus neoformans</i> . <i>Glycobiology</i> , 2016, 27, 582-592.	1.3	12
21	The <i>trans</i> -sialidase, the major <i>Trypanosoma cruzi</i> virulence factor: Three decades of studies. <i>Glycobiology</i> , 2015, 25, 1142-1149.	1.3	71
22	Capsular polysaccharides from <i>Cryptococcus neoformans</i> modulate production of neutrophil extracellular traps (NETs) by human neutrophils. <i>Scientific Reports</i> , 2015, 5, 8008.	1.6	110
23	Mannoprotein MP84 mediates the adhesion of <i>Cryptococcus neoformans</i> to epithelial lung cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 106.	1.8	34
24	Addition of β -O-GlcNAc to threonine residues define the post-translational modification of mucin-like molecules in <i>Trypanosoma cruzi</i> . <i>Glycoconjugate Journal</i> , 2013, 30, 659-666.	1.4	31
25	Further structural characterization of the <i>Echinococcus granulosus</i> laminated layer carbohydrates: The blood-antigen P1-motif gives rise to branches at different points of the O-glycan chains. <i>Glycobiology</i> , 2013, 23, 438-452.	1.3	21
26	Identification and Functional Analysis of <i>Trypanosoma cruzi</i> Genes That Encode Proteins of the Glycosylphosphatidylinositol Biosynthetic Pathway. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2369.	1.3	22
27	Draft Genome Sequence of the Rice Endophyte <i>Burkholderia kururiensis</i> M130. <i>Genome Announcements</i> , 2013, 1, e0022512.	0.8	27
28	Design, Synthesis and Trypanocidal Evaluation of Novel 1,2,4-Triazoles-3-thiones Derived from Natural Piperine. <i>Molecules</i> , 2013, 18, 6366-6382.	1.7	46
29	<i>Trypanosoma cruzi</i> Adjuvants Potentiate T Cell-Mediated Immunity Induced by a NY-ESO-1 Based Antitumor Vaccine. <i>PLoS ONE</i> , 2012, 7, e36245.	1.1	24
30	Molecular and functional characterization of the ceramide synthase from <i>Trypanosoma cruzi</i> . <i>Molecular and Biochemical Parasitology</i> , 2012, 182, 62-74.	0.5	13
31	Glycoinositolphospholipids from <i>Trypanosomatids</i> Subvert Nitric Oxide Production in <i>Rhodnius prolixus</i> Salivary Glands. <i>PLoS ONE</i> , 2012, 7, e47285.	1.1	22
32	Understanding the laminated layer of larval <i>Echinococcus</i> : structure. <i>Trends in Parasitology</i> , 2011, 27, 204-213.	1.5	104
33	Overlooked post-translational modifications of proteins in <i>Plasmodium falciparum</i> : N- and O-glycosylation - A Review. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2010, 105, 949-956.	0.8	36
34	Structural elucidation of the repeat unit in highly branched acidic exopolysaccharides produced by nitrogen fixing <i>Burkholderia</i> . <i>Glycobiology</i> , 2010, 20, 338-347.	1.3	34
35	A new class of mechanism-based inhibitors for <i>Trypanosoma cruzi</i> <i>trans</i> -sialidase and their influence on parasite virulence. <i>Glycobiology</i> , 2010, 20, 1034-1045.	1.3	31
36	<i>Trypanosoma cruzi</i> Subverts Host Cell Sialylation and May Compromise Antigen-specific CD8+ T Cell Responses. <i>Journal of Biological Chemistry</i> , 2010, 285, 13388-13396.	1.6	49

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37	Î±-N-acetylglucosamine-linked O-glycans of sialoglycoproteins (Tc-mucins) from <i>Trypanosoma cruzi</i> Colombiana strain. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2009, 104, 270-274.	0.8	17
38	Sorting of phosphoglucomutase to glycosomes in <i>Trypanosoma cruzi</i> is mediated by an internal domain. <i>Glycobiology</i> , 2009, 19, 1462-1472.	1.3	15
39	Molecular analysis of a UDP-GlcNAc:polypeptide Î±-N-acetylglucosaminyltransferase implicated in the initiation of mucin-type O-glycosylation in <i>Trypanosoma cruzi</i> . <i>Glycobiology</i> , 2009, 19, 918-933.	1.3	23
40	The Major Surface Carbohydrates of the <i>Echinococcus granulosus</i> Cyst: Mucin-Type O-Glycans Decorated by Novel Galactose-Based Structures. <i>Biochemistry</i> , 2009, 48, 11678-11691.	1.2	30
41	The toxic effects of piperine against <i>Trypanosoma cruzi</i> : ultrastructural alterations and reversible blockage of cytokinesis in epimastigote forms. <i>Parasitology Research</i> , 2008, 102, 1059-1067.	0.6	31
42	Novel 1,3,4-thiadiazolium-2-phenylamine chlorides derived from natural piperine as trypanocidal agents: Chemical and biological studies. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 2984-2991.	1.4	28
43	Lithium-mediated suppression of morphogenesis and growth in <i>Candida albicans</i> . <i>FEMS Yeast Research</i> , 2008, 8, 615-621.	1.1	15
44	Overexpression of the aldose reductase GRE ³ suppresses lithium-induced galactose toxicity in <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2008, 8, 1245-1253.	1.1	17
45	Capsular polysaccharides galactoxylomannan and glucuronoxylomannan from <i>Cryptococcus neoformans</i> induce macrophage apoptosis mediated by Fas ligand. <i>Cellular Microbiology</i> , 2008, 10, 1274-1285.	1.1	109
46	Characterization of two heparan sulphate-binding sites in the mycobacterial adhesin Hlp. <i>BMC Microbiology</i> , 2008, 8, 75.	1.3	7
47	Chemical Structure of Major Glycoconjugates from Parasites. <i>Current Organic Chemistry</i> , 2008, 12, 926-939.	0.9	27
48	Endophytic colonization of rice (<i>Oryza sativa</i> L.) by the diazotrophic bacterium <i>Burkholderia kururiensis</i> and its ability to enhance plant growth. <i>Anais Da Academia Brasileira De Ciencias</i> , 2008, 80, 477-493.	0.3	94
49	Toll-like receptor 4 (TLR4)-dependent proinflammatory and immunomodulatory properties of the glycoinositolphospholipid (GIPL) from <i>Trypanosoma cruzi</i> . <i>Journal of Leukocyte Biology</i> , 2007, 82, 488-496.	1.5	32
50	Characterization of glycoinositolphosphoryl ceramide structure mutant strains of <i>Cryptococcus neoformans</i> . <i>Glycobiology</i> , 2007, 17, 1C-1C.	1.3	36
51	Endothelial cell signalling induced by trans-sialidase from <i>Trypanosoma cruzi</i> . <i>Cellular Microbiology</i> , 2007, 10, 070802104926002-???	1.1	42
52	Characterization of the inositol phosphorylceramide synthase activity from <i>Trypanosoma cruzi</i> . <i>Biochemical Journal</i> , 2005, 387, 519-529.	1.7	37
53	Protozoan parasite-specific carbohydrate structures. <i>Current Opinion in Structural Biology</i> , 2005, 15, 499-505.	2.6	61
54	B cell response during infection with the MAT a and MAT alpha mating types of <i>Cryptococcus neoformans</i> . <i>Microbes and Infection</i> , 2005, 7, 118-125.	1.0	4

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55	Cloning and characterization of the phosphoglucomutase of <i>Trypanosoma cruzi</i> and functional complementation of a <i>Saccharomyces cerevisiae</i> PGM null mutant. <i>Glycobiology</i> , 2005, 15, 1359-1367.	1.3	11
56	Modulation of Sodium Pumps by Steroidal Saponins. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2004, 59, 432-436.	0.6	10
57	Enzymatically Inactive trans-Sialidase from <i>Trypanosoma cruzi</i> Binds Sialyl and β -Galactopyranosyl Residues in a Sequential Ordered Mechanism. <i>Journal of Biological Chemistry</i> , 2004, 279, 5323-5328.	1.6	54
58	Nitrogen-fixing bacterium <i>Burkholderia brasiliensis</i> produces a novel yersiniose A-containing O-polysaccharide. <i>Glycobiology</i> , 2004, 15, 313-321.	1.3	24
59	Expression of Functional TLR4 Confers Proinflammatory Responsiveness to <i>Trypanosoma cruzi</i> Glycoinositolphospholipids and Higher Resistance to Infection with <i>T. cruzi</i> . <i>Journal of Immunology</i> , 2004, 173, 5688-5696.	0.4	205
60	Toxic effects of natural piperine and its derivatives on epimastigotes and amastigotes of <i>Trypanosoma cruzi</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 3555-3558.	1.0	62
61	Heterogeneity in the Biosynthesis of Mucin O-Glycans from <i>Trypanosoma cruzi</i> Tulahuen Strain with the Expression of Novel Galactofuranosyl-Containing Oligosaccharides. <i>Biochemistry</i> , 2004, 43, 11889-11897.	1.2	52
62	A novel sialylated and galactofuranose-containing O-linked glycan, Neu5Ac α 2 β 3Gal β 1 α 6(Gal β 1 α 4)GlcNAc, is expressed on the sialoglycoprotein of <i>Trypanosoma cruzi</i> Dm28c. <i>Molecular and Biochemical Parasitology</i> , 2003, 126, 93-96.	0.5	36
63	Glycoinositolphospholipid from <i>Trypanosoma cruzi</i> : Structure, Biosynthesis and Immunobiology. <i>Advances in Parasitology</i> , 2003, 56, 1-41.	1.4	66
64	Effects of Iron Limitation on Adherence and Cell Surface Carbohydrates of <i>Corynebacterium diphtheriae</i> Strains. <i>Applied and Environmental Microbiology</i> , 2003, 69, 5907-5913.	1.4	53
65	trans-Sialidase from <i>Trypanosoma cruzi</i> Binds Host T-lymphocytes in a Lectin Manner. <i>Journal of Biological Chemistry</i> , 2002, 277, 45962-45968.	1.6	52
66	Proinflammatory and Cytotoxic Effects of Hexadecylphosphocholine (Miltefosine) against Drug-Resistant Strains of <i>Trypanosoma cruzi</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 3472-3477.	1.4	48
67	Costimulation of Host T Lymphocytes by a <i>Trypanosomal</i> trans-Sialidase: Involvement of CD43 Signaling. <i>Journal of Immunology</i> , 2002, 168, 5192-5198.	0.4	64
68	Molecular analysis of a novel family of complex glycoinositolphosphoryl ceramides from <i>Cryptococcus neoformans</i> : structural differences between encapsulated and acapsular yeast forms. <i>Glycobiology</i> , 2002, 12, 409-420.	1.3	43
69	Glycoinositol phospholipids from <i>Trypanosoma cruzi</i> transmit signals to the cells of the host immune system through both ceramide and glycan chains. <i>Microbes and Infection</i> , 2002, 4, 1007-1013.	1.0	28
70	Isolation and characterization of the Golgi complex of the protozoan <i>Trypanosoma cruzi</i> . <i>Parasitology</i> , 2001, 123, 33-43.	0.7	20
71	Structure of an acidic exopolysaccharide produced by the diazotrophic endophytic bacterium <i>Burkholderia brasiliensis</i> . <i>FEBS Journal</i> , 2001, 268, 3174-3179.	0.2	30
72	Characterization of novel structures of mannosylinositolphosphorylceramides from the yeast forms of <i>Sporothrix schenckii</i> . <i>FEBS Journal</i> , 2001, 268, 4243-4250.	0.2	31

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73	Involvement of Fungal Cell Wall Components in Adhesion of <i>Sporothrix schenckii</i> to Human Fibronectin. <i>Infection and Immunity</i> , 2001, 69, 6874-6880.	1.0	47
74	Structure of O-glycosidically linked oligosaccharides from glycoproteins of <i>Trypanosoma cruzi</i> CL-Brener strain: evidence for the presence of O-linked sialyl-oligosaccharides. <i>Glycobiology</i> , 2001, 11, 47-55.	1.3	43
75	NMR assignments for glucosylated and galactosylated N-acetylhexosaminotols: oligosaccharide alditols related to O-linked glycans from the protozoan parasite <i>Trypanosoma cruzi</i> . <i>Carbohydrate Research</i> , 2000, 328, 321-330.	1.1	7
76	The structure of a complex glycosylphosphatidyl inositol-anchored glucoxytan from the kinetoplastid protozoan <i>Leptomonas samueli</i> . <i>FEBS Journal</i> , 2000, 267, 5387-5396.	0.2	5
77	Glycoinositolphospholipids from <i>Trypanosoma cruzi</i> induce B cell hyper-responsiveness in vivo. <i>Glycoconjugate Journal</i> , 2000, 17, 727-734.	1.4	6
78	Costimulatory action of glycoinositolphospholipids from <i>Trypanosoma cruzi</i> : increased interleukin 2 secretion and induction of nuclear translocation of the nuclear factor of activated T cells 1. <i>FASEB Journal</i> , 1999, 13, 1627-1636.	0.2	18
79	Biosynthesis of O-N-Acetylglucosamine-linked Glycans in <i>Trypanosoma cruzi</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 14982-14988.	1.6	72
80	<i>Leishmania adleri</i> , a lizard parasite, expresses structurally similar glycoinositolphospholipids to mammalian <i>Leishmania</i> . <i>Glycobiology</i> , 1997, 7, 687-695.	1.3	23
81	Structure of the repeating oligosaccharide from the lipopolysaccharide of the nitrogen-fixing bacterium <i>Acetobacter diazotrophicus</i> strain PAL 5. <i>Carbohydrate Research</i> , 1997, 298, 311-318.	1.1	7
82	Structural variation in the glycoinositolphospholipids of different strains of <i>Trypanosoma cruzi</i> . <i>Glycoconjugate Journal</i> , 1996, 13, 955-966.	1.4	68
83	High Diversity in Mucin Genes and Mucin Molecules in <i>Trypanosoma cruzi</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 32078-32083.	1.6	44
84	Structure of the N-linked oligosaccharide of the main diagnostic antigen of the pathogenic fungus <i>Paracoccidioides brasiliensis</i> . <i>Glycobiology</i> , 1996, 6, 507-515.	1.3	52
85	Chemical characterisation of glycosylinositolphospholipids of <i>Herpetomonas samuelpeessoai</i> . <i>Molecular and Biochemical Parasitology</i> , 1995, 69, 81-92.	0.5	25
86	Structural Characterization of the Major Glycosylphosphatidylinositol Membrane-anchored Glycoprotein from Epimastigote Forms of <i>Trypanosoma cruzi</i> Y-strain. <i>Journal of Biological Chemistry</i> , 1995, 270, 7241-7250.	1.6	141
87	Differentiation of Capsular Polysaccharides from <i>Acetobacter diazotrophicus</i> Strains Isolated from Sugarcane. <i>Microbiology and Immunology</i> , 1995, 39, 237-242.	0.7	7
88	Novel antigenic determinants from peptidorhamnomannans of <i>Sporothrix schenckii</i> . <i>Glycobiology</i> , 1994, 4, 281-288.	1.3	42
89	Structural analysis of novel rhamnose-branched oligosaccharides from the glycophosphosphingolipids of <i>Leptomonas samueli</i> . <i>Glycoconjugate Journal</i> , 1994, 11, 23-33.	1.4	12
90	Structure determination of phosphoinositol oligosaccharides from parasitic protozoa using fast atom bombardment mass spectrometry. <i>Organic Mass Spectrometry</i> , 1994, 29, 767-781.	1.3	6

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91	Structural features and antigenic properties of carbohydrate-containing components of <i>Trypanosoma conorhini</i> . <i>Molecular and Biochemical Parasitology</i> , 1987, 26, 193-202.	0.5	2
92	Characterization of dolichol monophosphate- and dolichol diphosphate-linked saccharides in trypanosomatid flagellates. <i>Molecular and Biochemical Parasitology</i> , 1986, 18, 343-353.	0.5	20
93	Incorporation of sialic acid into <i>Trypanosoma cruzi</i> macromolecules. A proposal for a new metabolic route. <i>Molecular and Biochemical Parasitology</i> , 1985, 16, 85-96.	0.5	197
94	Formation of (1 \rightarrow 2)-Linked b-D-Mannopyranan by <i>Leishmania mexicana amazonensis</i> : Relationship with Certain Crithidia and Herpetomonas Species. <i>Journal of Parasitology</i> , 1984, 70, 449.	0.3	8
95	Chemical structure and antigenic aspects of complexes obtained from epimastigotes of <i>Trypanosoma cruzi</i> . <i>Biochemistry</i> , 1983, 22, 4980-4987.	1.2	69
96	Crithidia spp.: Structural comparison of polysaccharides for taxonomic significance. <i>Experimental Parasitology</i> , 1982, 53, 170-178.	0.5	25
97	Some structural features of polysaccharide components of the protozoan <i>Leishmania tarentoloe</i> . <i>Carbohydrate Research</i> , 1981, 97, 156-160.	1.1	5
98	A novel 1 \rightarrow 2-linked D-mannopyranan from <i>Crithidia deanei</i> . <i>Carbohydrate Research</i> , 1979, 70, 172-174.	1.1	12
99	Structure of the D-Mannan and D-Arabin-D-Galactan in <i>Crithidia fasciculata</i> : Changes in Proportion with Age of Culture*. <i>Journal of Protozoology</i> , 1979, 26, 473-478.	0.9	39
100	Cell wall composition in different cell types of the dimorphic species <i>Sporothrix schenckii</i> . <i>Experimental Mycology</i> , 1979, 3, 83-91.	1.8	25
101	Soluble and insoluble glucans from different cell types of the human pathogen <i>Sporothrix schenckii</i> . <i>Experimental Mycology</i> , 1979, 3, 92-105.	1.8	43