

Lucia Mendona-Previato

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

107
papers

3,251
citations

34
h-index

52
g-index

114
ext. papers

3,721
ext. citations

4.2
avg, IF

4.61
L-index

#	Paper	IF	Citations
107	Resistance to cisplatin in human lung adenocarcinoma cells: effects on the glycophenotype and epithelial to mesenchymal transition markers.. <i>Glycoconjugate Journal</i> , 2022 , 39, 247	3	2
106	-Sialidase as a Potential Vaccine Target Against Chagas Disease. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 768450	5.9	0
105	X-linked immunodeficient (XID) mice exhibit high susceptibility to <i>Cryptococcus gattii</i> infection. <i>Scientific Reports</i> , 2021 , 11, 18397	4.9	1
104	The role of Toll-like receptor 9 in a murine model of <i>Cryptococcus gattii</i> infection. <i>Scientific Reports</i> , 2021 , 11, 1407	4.9	4
103	Piperine Inhibits TGF- β Signaling Pathways and Disrupts EMT-Related Events in Human Lung Adenocarcinoma Cells. <i>Medicines (Basel, Switzerland)</i> , 2020 , 7,	4.1	14
102	Resistance to paclitaxel induces glycophenotype changes and mesenchymal-to-epithelial transition activation in the human prostate cancer cell line PC-3. <i>Tumor Biology</i> , 2020 , 42, 1010428320957506	2.9	3
101	Inhibition of glycosphingolipid biosynthesis reverts multidrug resistance by differentially modulating ABC transporters in chronic myeloid leukemias. <i>Journal of Biological Chemistry</i> , 2020 , 295, 6457-6471	5.4	15
100	Theft and Reception of Host Cell's Sialic Acid: Dynamics of α -sialidases and Mucin-Like Molecules on Chagas Disease Immunomodulation. <i>Frontiers in Immunology</i> , 2019 , 10, 164	8.4	11
99	Characterization of the 6-O-acetylated lipoglucuronomannogalactan a novel <i>Cryptococcus neoformans</i> cell wall polysaccharide. <i>Carbohydrate Research</i> , 2019 , 475, 1-10	2.9	1
98	Immunomodulatory Role of Capsular Polysaccharides Constituents of. <i>Frontiers in Medicine</i> , 2019 , 6, 129	4.9	25
97	Functional Characterization of ABCC Proteins from and Their Involvement with Thiol Transport. <i>Frontiers in Microbiology</i> , 2018 , 9, 205	5.7	12
96	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	4.9	8
95	Role of Inactive and Active α -sialidases on T Cell Homing and Secretion of Inflammatory Cytokines. <i>Frontiers in Microbiology</i> , 2017 , 8, 1307	5.7	8
94	Distribution of the O-acetyl groups and β -galactofuranose units in galactoxylomannans of the opportunistic fungus <i>Cryptococcus neoformans</i> . <i>Glycobiology</i> , 2017 , 27, 582-592	5.8	10
93	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, 1519-2514	1.4	3
92	Modulation of Cell Sialoglycophenotype: 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	5.7	10
91	Glycosylation in Cancer: Interplay between Multidrug Resistance and Epithelial-to-Mesenchymal Transition?. <i>Frontiers in Oncology</i> , 2016 , 6, 158	5.3	28

90	The trans-sialidase, the major <i>Trypanosoma cruzi</i> virulence factor: Three decades of studies. <i>Glycobiology</i> , 2015 , 25, 1142-9	5.8	54
89	Capsular polysaccharides from <i>Cryptococcus neoformans</i> modulate production of neutrophil extracellular traps (NETs) by human neutrophils. <i>Scientific Reports</i> , 2015 , 5, 8008	4.9	72
88	Plant-Influenced Gene Expression in the Rice Endophyte <i>Burkholderia kururiensis</i> M130. <i>Molecular Plant-Microbe Interactions</i> , 2015 , 28, 10-21	3.6	72
87	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	5.9	27
86	A universal polysaccharide conjugated vaccine against O111 E. coli. <i>Human Vaccines and Immunotherapeutics</i> , 2014 , 10, 2864-74	4.4	10
85	Addition of β -GlcNAc to threonine residues define the post-translational modification of mucin-like molecules in <i>Trypanosoma cruzi</i> . <i>Glycoconjugate Journal</i> , 2013 , 30, 659-66	3	30
84	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, 438-52	5.8	18
83	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	4.8	17
82	Draft Genome Sequence of the Rice Endophyte <i>Burkholderia kururiensis</i> M130. <i>Genome Announcements</i> , 2013 , 1, e0022512		9
81	Design, synthesis and trypanocidal evaluation of novel 1,2,4-triazoles-3-thiones derived from natural piperine. <i>Molecules</i> , 2013 , 18, 6366-82	4.8	34
80	Molecular and functional characterization of the ceramide synthase from <i>Trypanosoma cruzi</i> . <i>Molecular and Biochemical Parasitology</i> , 2012 , 182, 62-74	1.9	8
79	Common features of environmental and potentially beneficial plant-associated <i>Burkholderia</i> . <i>Microbial Ecology</i> , 2012 , 63, 249-66	4.4	252
78	<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	3.7	16
77	Glycoinositolphospholipids from <i>Trypanosomatids</i> subvert nitric oxide production in <i>Rhodnius prolixus</i> salivary glands. <i>PLoS ONE</i> , 2012 , 7, e47285	3.7	22
76	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, 949-56	2.6	28
75	Commonalities and differences in regulation of N-acyl homoserine lactone quorum sensing in the beneficial plant-associated burkholderia species cluster. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 4302-17	4.8	44
74	Structural elucidation of the repeat unit in highly branched acidic exopolysaccharides produced by nitrogen fixing <i>Burkholderia</i> . <i>Glycobiology</i> , 2010 , 20, 338-47	5.8	28
73	A new class of mechanism-based inhibitors for <i>Trypanosoma cruzi</i> trans-sialidase and their influence on parasite virulence. <i>Glycobiology</i> , 2010 , 20, 1034-45	5.8	27

72	Lipopolysaccharide as an antigen target for the formulation of a universal vaccine against <i>Escherichia coli</i> O111 strains. <i>Vaccine Journal</i> , 2010 , 17, 1772-80		10
71	<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, 13388-96	5.4	39
70	The trans-Sialidase from <i>Trypanosoma cruzi</i> a Putative Target for Trypanocidal Agents. <i>The Open Parasitology Journal</i> , 2010 , 4, 111-115	1.6	10
69	Alpha-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 Suppl 1, 270-4	2.6	16
68	Sorting of phosphoglucomutase to glycosomes in <i>Trypanosoma cruzi</i> is mediated by an internal domain. <i>Glycobiology</i> , 2009 , 19, 1462-72	5.8	12
67	Molecular analysis of a UDP-GlcNAc:polypeptide alpha-N-acetylglucosaminyltransferase implicated in the initiation of mucin-type O-glycosylation in <i>Trypanosoma cruzi</i> . <i>Glycobiology</i> , 2009 , 19, 918-33	5.8	21
66	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, 11678-91	3.2	26
65	Capsular polysaccharides galactoxylomannan and glucuronoxylomannan from <i>Cryptococcus neoformans</i> induce macrophage apoptosis mediated by Fas ligand. <i>Cellular Microbiology</i> , 2008 , 10, 1274-83	3.9	85
64	Characterization of two heparan sulphate-binding sites in the mycobacterial adhesin Hlp. <i>BMC Microbiology</i> , 2008 , 8, 75	4.5	7
63	Chemical Structure of Major Glycoconjugates from Parasites. <i>Current Organic Chemistry</i> , 2008 , 12, 926-939	3.7	25
62	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, 477-93	1.4	49
61	Endothelial cell signalling induced by trans-sialidase from <i>Trypanosoma cruzi</i> . <i>Cellular Microbiology</i> , 2008 , 10, 88-99	3.9	35
60	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, 1059-67	2.4	28
59	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, 2984-91	3.4	25
58	Lithium-mediated suppression of morphogenesis and growth in <i>Candida albicans</i> . <i>FEMS Yeast Research</i> , 2008 , 8, 615-21	3.1	9
57	Overexpression of the aldose reductase GRE3 suppresses lithium-induced galactose toxicity in <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2008 , 8, 1245-53	3.1	14
56	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, 488-96	6.5	28
55	Characterization of glycoinositolphosphoryl ceramide structure mutant strains of <i>Cryptococcus neoformans</i> . <i>Glycobiology</i> , 2007 , 17, 1-11C	5.8	20

54	Nitrogen-fixing bacterium <i>Burkholderia brasiliensis</i> produces a novel yersiniose A-containing O-polysaccharide. <i>Glycobiology</i> , 2005 , 15, 313-21	5.8	23
53	Characterization of the inositol phosphorylceramide synthase activity from <i>Trypanosoma cruzi</i> . <i>Biochemical Journal</i> , 2005 , 387, 519-29	3.8	31
52	Protozoan parasite-specific carbohydrate structures. <i>Current Opinion in Structural Biology</i> , 2005 , 15, 499-505	5.0	58
51	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, 118-25	9.3	1
50	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, 1359-67	5.8	8
49	Enzymatically inactive trans-sialidase from <i>Trypanosoma cruzi</i> binds sialyl and beta-galactopyranosyl residues in a sequential ordered mechanism. <i>Journal of Biological Chemistry</i> , 2004 , 279, 5323-8	5.4	49
48	Expression of functional TLR4 confers proinflammatory responsiveness to <i>Trypanosoma cruzi</i> glycoinositolphospholipids and higher resistance to infection with T. cruzi. <i>Journal of Immunology</i> , 2004 , 173, 5688-96	5.3	182
47	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, 3555-8	2.9	50
46	Glycoinositolphospholipid from <i>Trypanosoma cruzi</i> : structure, biosynthesis and immunobiology. <i>Advances in Parasitology</i> , 2004 , 56, 1-41	3.2	62
45	Heterogeneity in the biosynthesis of mucin O-glycans from <i>Trypanosoma cruzi</i> tulahuén strain with the expression of novel galactofuranosyl-containing oligosaccharides. <i>Biochemistry</i> , 2004 , 43, 11889-97	3.2	50
44	A novel sialylated and galactofuranose-containing O-linked glycan, Neu5Acalpha2-->3Galpbeta1-->6(Galfbeta1-->4)GlcNAc, is expressed on the sialoglycoprotein of <i>Trypanosoma cruzi</i> Dm28c. <i>Molecular and Biochemical Parasitology</i> , 2003 , 126, 93-6	1.9	33
43	Influence of polarisation and differentiation on interaction of 43-kDa outer-membrane protein of <i>Aeromonas caviae</i> with human enterocyte-like Caco-2 cell line. <i>International Journal of Molecular Medicine</i> , 2003 , 11, 661-7	4.4	5
42	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, 1007-13	9.3	23
41	trans-Sialidase from <i>Trypanosoma cruzi</i> binds host T-lymphocytes in a lectin manner. <i>Journal of Biological Chemistry</i> , 2002 , 277, 45962-8	5.4	44
40	Proinflammatory and cytotoxic effects of hexadecylphosphocholine (miltefosine) against drug-resistant strains of <i>Trypanosoma cruzi</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2002 , 46, 3472-7	5.9	43
39	Costimulation of host T lymphocytes by a trypanosomal trans-sialidase: involvement of CD43 signaling. <i>Journal of Immunology</i> , 2002 , 168, 5192-8	5.3	62
38	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, 409-20	5.8	38
37	Glycoinositolphospholipids from <i>Trypanosoma cruzi</i> interfere with macrophages and dendritic cell responses. <i>Infection and Immunity</i> , 2002 , 70, 3736-43	3.7	60

36	Structure of an acidic exopolysaccharide produced by the diazotrophic endophytic bacterium <i>Burkholderia brasiliensis</i> . <i>FEBS Journal</i> , 2001 , 268, 3174-9		23
35	Characterization of novel structures of mannosylinositolphosphorylceramides from the yeast forms of <i>Sporothrix schenckii</i> . <i>FEBS Journal</i> , 2001 , 268, 4243-50		24
34	Involvement of fungal cell wall components in adhesion of <i>Sporothrix schenckii</i> to human fibronectin. <i>Infection and Immunity</i> , 2001 , 69, 6874-80	3.7	39
33	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	5.8	42
32	Isolation and characterization of the Golgi complex of the protozoan <i>Trypanosoma cruzi</i> . <i>Parasitology</i> , 2001 , 123, 33-43	2.7	19
31	NMR assignments for glucosylated and galactosylated N-acetylhexosaminites: oligosaccharide alditols related to O-linked glycans from the protozoan parasite <i>Trypanosoma cruzi</i> . <i>Carbohydrate Research</i> , 2000 , 328, 321-30	2.9	7
30	The structure of a complex glycosylphosphatidyl inositol-anchored glucoxytan from the kinetoplastid protozoan <i>Leptomonas samueli</i> . <i>FEBS Journal</i> , 2000 , 267, 5387-96		4
29	Glycoinositolphospholipids from <i>Trypanosoma cruzi</i> induce B cell hyper-responsiveness in vivo. <i>Glycoconjugate Journal</i> , 2000 , 17, 727-34	3	5
28	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, 1627-36	0.9	14
27	Biosynthesis of O-N-acetylglucosamine-linked glycans in <i>Trypanosoma cruzi</i> . Characterization of the novel uridine diphospho-N-acetylglucosamine:polypeptide N-acetylglucosaminyltransferase-catalyzing formation of N-acetylglucosamine linked to O-linked glycans. <i>Glycobiology</i> , 1999 , 9, 1199-209	5.4	63
26	Glycoinositol phospholipids from <i>Endotrypanum</i> species express epitopes in common with saccharide side chains of the lipophosphoglycan from <i>Leishmania major</i> . <i>Biochemical Journal</i> , 1998 , 329 (Pt 3), 665-73	3.8	16
25	<i>Leishmania adleri</i> , a lizard parasite, expresses structurally similar glycoinositolphospholipids to mammalian <i>Leishmania</i> . <i>Glycobiology</i> , 1997 , 7, 687-95	5.8	19
24	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, 311-8	2.9	7
23	Structural variation in the glycoinositolphospholipids of different strains of <i>Trypanosoma cruzi</i> . <i>Glycoconjugate Journal</i> , 1996 , 13, 955-66	3	57
22	Chemical characterisation of glycosylinositolphospholipids of <i>Herpetomonas samuelpeessoai</i> . <i>Molecular and Biochemical Parasitology</i> , 1995 , 69, 81-92	1.9	20
21	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, 7241-50	5.4	117
20	Differentiation of capsular polysaccharides from <i>Acetobacter diazotrophicus</i> strains isolated from sugarcane. <i>Microbiology and Immunology</i> , 1995 , 39, 237-42	2.7	6
19	Novel antigenic determinants from peptidorhamnomannans of <i>Sporothrix schenckii</i> . <i>Glycobiology</i> , 1994 , 4, 281-8	5.8	35

18	Structure determination of phosphoinositol oligosaccharides from parasitic protozoa using fast atom bombardment mass spectrometry. <i>Organic Mass Spectrometry</i> , 1994 , 29, 767-781		6
17	Evidence of myristylated disulfide-linked dimer of variant surface glycoprotein of <i>Trypanosoma brucei-brucei</i> . <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1989 , 92, 705-10		1
16	Presence of a lipophosphoglycan in two variants of <i>Trypanosoma brucei brucei</i> . <i>Biochemical and Biophysical Research Communications</i> , 1988 , 153, 1257-66	3.4	4
15	Molecular heterogeneity of the isolated surface glycoprotein from variant AnTat 1.1 of <i>Trypanosoma brucei brucei</i> . <i>Biology of the Cell</i> , 1988 , 64, 131-5	3.5	5
14	<i>Leptomonas samueli</i> glycoconjugates. Comparison with <i>Herpetomonas samuelpeesoai</i> . <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1987 , 86, 593-9		6
13	Structural features and antigenic properties of carbohydrate-containing components of <i>Trypanosoma conorhini</i> . <i>Molecular and Biochemical Parasitology</i> , 1987 , 26, 193-202	1.9	1
12	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	1.9	166
11	Chagas Disease: serodiagnosis with purified Gp25 antigen. <i>American Journal of Tropical Medicine and Hygiene</i> , 1985 , 34, 1153-60	3.2	38
10	Chemical structure and antigenic aspects of complexes obtained from epimastigotes of <i>Trypanosoma cruzi</i> . <i>Biochemistry</i> , 1983 , 22, 4980-7	3.2	59
9	<i>Crithidia</i> spp.: structural comparison of polysaccharides for taxonomic significance. <i>Experimental Parasitology</i> , 1982 , 53, 170-8	2.1	24
8	Sexual agglutination factors from the yeast <i>Pichia amethionina</i> . <i>Journal of Cellular Biochemistry</i> , 1982 , 19, 171-8	4.7	15
7	Cell-cell recognition in yeast: purification of <i>Hansenula wingei</i> 21-cell sexual agglutination factor and comparison of the factors from three genera. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1980 , 77, 318-22	11.5	59
6	A novel β -(1 \rightarrow 2)-linked D-mannopyranose from <i>Crithidia deanei</i> . <i>Carbohydrate Research</i> , 1979 , 70, 172-174	4.9	12
5	Structure of the D-mannan and D-arabino-D-galactan in <i>Crithidia fasciculata</i> : changes in proportion with age of culture. <i>Journal of Protozoology</i> , 1979 , 26, 473-8		38
4	Distribution of antigenic polysaccharides in different cell types of <i>Sporothrix schenckii</i> as studied by immunofluorescent staining with rabbit antisera. <i>Experimental Mycology</i> , 1978 , 2, 130-137		6
3	Location and biochemical nature of surface components reacting with concanavalin A in different cell types of <i>Sporothrix schenckii</i> . <i>Experimental Mycology</i> , 1977 , 1, 293-305		34
2	Further studies on the rhamnomannans and acidic rhamnomannans of <i>Sporothrix schenckii</i> and <i>Ceratocystis stenoceras</i> . <i>Carbohydrate Research</i> , 1977 , 55, 21-33	2.9	50
1	Thiol efflux mediated by an ABC-like transporter participates for <i>Trypanosoma cruzi</i> adaptation to environmental and chemotherapeutic stresses		1

