

Lucia Mendona-Previato

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9061193/lucia-mendonca-previato-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Common features of environmental and potentially beneficial plant-associated Burkholderia. <i>Microbial Ecology</i> , 2012 , 63, 249-66	4.4	252
106	Expression of functional TLR4 confers proinflammatory responsiveness to Trypanosoma cruzi glycoinositolphospholipids and higher resistance to infection with T. cruzi. <i>Journal of Immunology</i> , 2004 , 173, 5688-96	5.3	182
105	Incorporation of sialic acid into Trypanosoma cruzi macromolecules. A proposal for a new metabolic route. <i>Molecular and Biochemical Parasitology</i> , 1985 , 16, 85-96	1.9	166
104	Structural characterization of the major glycosylphosphatidylinositol membrane-anchored glycoprotein from epimastigote forms of Trypanosoma cruzi Y-strain. <i>Journal of Biological Chemistry</i> , 1995 , 270, 7241-50	5.4	117
103	Capsular polysaccharides galactoxylomannan and glucuronoxylomannan from Cryptococcus neoformans induce macrophage apoptosis mediated by Fas ligand. <i>Cellular Microbiology</i> , 2008 , 10, 1274-83	3.9	85
102	Capsular polysaccharides from Cryptococcus neoformans modulate production of neutrophil extracellular traps (NETs) by human neutrophils. <i>Scientific Reports</i> , 2015 , 5, 8008	4.9	72
101	Plant-Influenced Gene Expression in the Rice Endophyte Burkholderia kururiensis M130. <i>Molecular Plant-Microbe Interactions</i> , 2015 , 28, 10-21	3.6	72
100	Biosynthesis of O-N-acetylglucosamine-linked glycans in Trypanosoma cruzi. Characterization of the novel uridine diphospho-N-acetylglucosamine:polypeptide N-acetylglucosaminyltransferase-catalyzing formation of N-acetylglucosamine alpha1->O-threonine. <i>Journal of Biological Chemistry</i> , 1998 , 273, 14982-8	5.4	63
99	Glycoinositolphospholipid from Trypanosoma cruzi: structure, biosynthesis and immunobiology. <i>Advances in Parasitology</i> , 2004 , 56, 1-41	3.2	62
98	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
97	Glycoinositolphospholipids from Trypanosoma cruzi interfere with macrophages and dendritic cell responses. <i>Infection and Immunity</i> , 2002 , 70, 3736-43	3.7	60
96	Chemical structure and antigenic aspects of complexes obtained from epimastigotes of Trypanosoma cruzi. <i>Biochemistry</i> , 1983 , 22, 4980-7	3.2	59
95	Cell-cell recognition in yeast: purification of Hansenula wingei 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
94	Protozoan parasite-specific carbohydrate structures. <i>Current Opinion in Structural Biology</i> , 2005 , 15, 499-505	5.05	58
93	Structural variation in the glycoinositolphospholipids of different strains of Trypanosoma cruzi. <i>Glycoconjugate Journal</i> , 1996 , 13, 955-66	3	57
92	The trans-sialidase, the major Trypanosoma cruzi virulence factor: Three decades of studies. <i>Glycobiology</i> , 2015 , 25, 1142-9	5.8	54
91	Toxic effects of natural piperine and its derivatives on epimastigotes and amastigotes of Trypanosoma cruzi. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004 , 14, 3555-8	2.9	50

90	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, 11889-97	3.2	50
89	Further studies on the rhamnmannans and acidic rhamnmannans of <i>Sporothrix schenckii</i> and <i>Ceratocystis stenoceras</i> . <i>Carbohydrate Research</i> , 1977 , 55, 21-33	2.9	50
88	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
87	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
86	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
85	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
84	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
83	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
82	<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
81	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
80	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
79	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
78	Chagas disease: serodiagnosis with purified Gp25 antigen. <i>American Journal of Tropical Medicine and Hygiene</i> , 1985 , 34, 1153-60	3.2	38
77	Endothelial cell signalling induced by trans-sialidase from <i>Trypanosoma cruzi</i> . <i>Cellular Microbiology</i> , 2008 , 10, 88-99	3.9	35
76	Novel antigenic determinants from peptidorhamnmannans of <i>Sporothrix schenckii</i> . <i>Glycobiology</i> , 1994 , 4, 281-8	5.8	35
75	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
74	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
73	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

72	Characterization of the inositol phosphorylceramide synthase activity from <i>Trypanosoma cruzi</i> . <i>Biochemical Journal</i> , 2005 , 387, 519-29	3.8	31
71	Addition of β -D-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
70	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
69	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
68	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
67	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}	6.5	28
66	Glycosylation in Cancer: Interplay between Multidrug Resistance and Epithelial-to-Mesenchymal Transition?. <i>Frontiers in Oncology</i> , 2016 , 6, 158	5.3	28
65	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
64	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
63	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
62	Immunomodulatory Role of Capsular Polysaccharides Constituents of. <i>Frontiers in Medicine</i> , 2019 , 6, 129	4.9	25
61	Chemical Structure of Major Glycoconjugates from Parasites. <i>Current Organic Chemistry</i> , 2008 , 12, 926-939 ⁷	7	25
60	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
59	Characterization of novel structures of mannosylinositolphosphorylceramides from the yeast forms of <i>Sporothrix schenckii</i> . <i>FEBS Journal</i> , 2001 , 268, 4243-50		24
58	<i>Crithidia</i> spp.: structural comparison of polysaccharides for taxonomic significance. <i>Experimental Parasitology</i> , 1982 , 53, 170-8	2.1	24
57	Nitrogen-fixing bacterium <i>Burkholderia brasiliensis</i> produces a novel yersinirose A-containing O-polysaccharide. <i>Glycobiology</i> , 2005 , 15, 313-21	5.8	23
56	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
55	Structure of an acidic exopolysaccharide produced by the diazotrophic endophytic bacterium <i>Burkholderia brasiliensis</i> . <i>FEBS Journal</i> , 2001 , 268, 3174-9		23

54	Glycoinositolphospholipids from Trypanosomatids subvert nitric oxide production in <i>Rhodnius prolixus</i> salivary glands. <i>PLoS ONE</i> , 2012 , 7, e47285	3.7	22
53	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
52	Characterization of glycoinositolphosphoryl ceramide structure mutant strains of <i>Cryptococcus neoformans</i> . <i>Glycobiology</i> , 2007 , 17, 1-11C	5.8	20
51	Chemical characterisation of glycosylinositolphospholipids of <i>Herpetomonas samuelpessoai</i> . <i>Molecular and Biochemical Parasitology</i> , 1995 , 69, 81-92	1.9	20
50	<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
49	Isolation and characterization of the Golgi complex of the protozoan <i>Trypanosoma cruzi</i> . <i>Parasitology</i> , 2001 , 123, 33-43	2.7	19
48	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
47	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
46	<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
45	Alpha-N-acetylglucosamine-linked O-glycans of sialoglycoproteins (Tc-mucins) from <i>Trypanosoma cruzi</i> Colombian strain. <i>Memórias Do Instituto Oswaldo Cruz</i> , 2009 , 104 Suppl 1, 270-4	2.6	16
44	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
43	Sexual agglutination factors from the yeast <i>Pichia amethionina</i> . <i>Journal of Cellular Biochemistry</i> , 1982 , 19, 171-8	4.7	15
42	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
41	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
40	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
39	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
38	Functional Characterization of ABCC Proteins from and Their Involvement with Thiol Transport. <i>Frontiers in Microbiology</i> , 2018 , 9, 205	5.7	12
37	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

36	A novel β -(1 \rightarrow 2)-linked D-mannopyranose from <i>Crithidia deanei</i> . <i>Carbohydrate Research</i> , 1979 , 70, 172-174.	9	12
35	Theft and Reception of Host Cell 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
34	A universal polysaccharide conjugated vaccine against O111 E. coli. <i>Human Vaccines and Immunotherapeutics</i> , 2014 , 10, 2864-74	4.4	10
33	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
32	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
31	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
30	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
29	Draft Genome Sequence of the Rice Endophyte <i>Burkholderia kururiensis</i> M130. <i>Genome Announcements</i> , 2013 , 1, e0022512		9
28	Lithium-mediated suppression of morphogenesis and growth in <i>Candida albicans</i> . <i>FEMS Yeast Research</i> , 2008 , 8, 615-21	3.1	9
27	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
26	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
25	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
24	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
23	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
22	Characterization of two heparan sulphate-binding sites in the mycobacterial adhesin Hlp. <i>BMC Microbiology</i> , 2008 , 8, 75	4.5	7
21	NMR assignments for glucosylated and galactosylated N-acetylhexosaminidols: 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
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	Structure determination of phosphoinositol oligosaccharides from parasitic protozoa using fast atom bombardment mass spectrometry. <i>Organic Mass Spectrometry</i> , 1994 , 29, 767-781		6

18	Leptomonas samueli glycoconjugates. Comparison with Herpetomonas samuelpessoai. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1987 , 86, 593-9		6
17	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
16	Glycoinositolphospholipids from <i>Trypanosoma cruzi</i> induce B cell hyper-responsiveness in vivo. <i>Glycoconjugate Journal</i> , 2000 , 17, 727-34	3	5
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	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
13	The structure of a complex glycosylphosphatidyl inositol-anchored glucoxylan from the kinetoplastid protozoan <i>Leptomonas samueli</i> . <i>FEBS Journal</i> , 2000 , 267, 5387-96		4
12	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
11	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
10	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, 1519-25	1-4	3
9	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
8	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
7	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
6	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
5	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
4	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
3	Thiol efflux mediated by an ABCC-like transporter participates for <i>Trypanosoma cruzi</i> adaptation to environmental and chemotherapeutic stresses		1
2	X-linked immunodeficient (XID) mice exhibit high susceptibility to <i>Cryptococcus gattii</i> infection. <i>Scientific Reports</i> , 2021 , 11, 18397	4-9	1
1	-Sialidase as a Potential Vaccine Target Against Chagas Disease. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 768450	5-9	0

