Rosa M De Lederkremer

List of Publications by Year
in descending order

32 papers	956 citations	471509 17 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	683 citing authors

#	Article	IF	Citations
1	Galactofuranose-containing glycoconjugates in trypanosomatids. Glycobiology, 1995, 5, 547-552.	2.5	192
2	Chapter 7 Glycobiology of Trypanosoma cruzi. Advances in Carbohydrate Chemistry and Biochemistry, 2009, 62, 311-366.	0.9	79
3	Trans-sialidase and mucins of Trypanosoma cruzi: an important interplay for the parasite. Carbohydrate Research, 2011, 346, 1389-1393.	2.3	74
4	Lactose derivatives are inhibitors of Trypanosoma cruzi trans-sialidase activity toward conventional substrates in vitro and in vivo. Glycobiology, 2004, 14, 659-670.	2.5	67
5	Trypanosoma cruzi Surface Mucins with Exposed Variant Epitopes. Journal of Biological Chemistry, 2000, 275, 27671-27680.	3.4	48
6	First Synthesis of Î²-d-Galf(1âˆ’4)GlcNAc, a Structural Unit AttachedO-Glycosidically in Glycoproteins ofTrypanosoma cruzi. Journal of Organic Chemistry, 1996, 61, 1886-1889.	3.2	46
7	One-pot synthesis of Î²-d-Gal›(1 â†’ 4)[Î²-d-Galp(1 â†’ 6)]-d-GlcNAc, a â€˜coreâ€™ trisaccharide linked O-glycosidically in glycoproteins of Trypanosoma cruzi. Carbohydrate Research, 1997, 305, 163-170.	2.3	40
8	Comparative rates of sialylation by recombinant trans-sialidase and inhibitor properties of synthetic oligosaccharides from Trypanosoma cruzi mucins-containing galactofuranose and galactopyranose. Bioorganic and Medicinal Chemistry, 2007, 15, 2611-2616.	3.0	35
9	Separation of GalfÎ²1â†’XGlcNAc and GalpÎ²1â†’XGlcNAc (X = 3, 4, and 6) as the Alditols by High-pH Anion-Exchange Chromatography and Thin-Layer Chromatography: Characterization of Mucins from Trypanosoma cruzi. Analytical Biochemistry, 2000, 279, 79-84.	2.4	32
10	Synthesis of the O-linked pentasaccharide in glycoproteins of Trypanosoma cruzi and selective sialylation by recombinant trans-sialidase. Carbohydrate Research, 2006, 341, 1488-1497.	2.3	31
11	Synthesis of trisaccharides containing internal galactofuranose O-linked in Trypanosoma cruzi mucins. Carbohydrate Research, 2010, 345, 385-396.	2.3	26
12	Synthesis of Î²-d-Galp-(1â†’3)-Î²-d-Galp-(1â†’6)-[Î²-d-Galf-(1â†’4)]-d-GlcNAc, a tetrasaccharide component of mucins of Trypanosoma cruzi. Tetrahedron, 2002, 58, 9373-9380.	1.9	25
13	The trans-sialidase from Trypanosoma cruzi efficiently transfers Î±-(2â†’3)-linked N-glycolylneuraminic acid to terminal Î²-galactosyl units. Carbohydrate Research, 2007, 342, 2465-2469.	2.3	21
14	Synthesis of PEGylated lactose analogs for inhibition studies on T.cruzi trans-sialidase. Glycoconjugate Journal, 2010, 27, 549-559.	2.7	20
15	Synthesis of the O-linked hexasaccharide containing Î²-d-Galf-(1â†’2)-Î²-d-Galf in Trypanosoma cruzi mucins. Organic and Biomolecular Chemistry, 2012, 10, 6322.	2.8	20
16	Trypanosoma cruzi surface mucins are involved in the attachment to the Triatoma infestans rectal ampoule. PLoS Neglected Tropical Diseases, 2019, 13, e0007418.	3.0	20
17	Evidence for exo Î²-d-galactofuranosidase in Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2003, 127, 85-88.	1.1	19
18	Galactofuranose antigens, a target for diagnosis of fungal infections in humans. Future Science OA, 2017, 3, FSO199.	1.9	18

#	Article	IF	Citations
19	The First Chemical Synthesis of UDP[6-3H]-Î±-D-galactofuranose. European Journal of Organic Chemistry, 2005, 2005, 2958-2964.	2.4	17
20	Selective sialylation of 2,3-di-O-(Î²-d-galactopyranosyl)-d-galactose catalyzed by Trypanosoma cruzi trans-sialidase. Tetrahedron: Asymmetry, 2005, 16, 541-551.	1.8	16
21	Synthesis of divalent ligands of Î²-thio- and Î²-N-galactopyranosides and related lactosides and their evaluation as substrates and inhibitors of Trypanosoma cruzi trans-sialidase. Beilstein Journal of Organic Chemistry, 2014, 10, 3073-3086.	2.2	15
22	The Glycan Structure of T. cruzi mucins Depends on the Host. Insights on the Chameleonic Galactose. Molecules, 2020, 25, 3913.	3.8	13
23	Synthesis of the O-linked hexasaccharide containing Î²-d-Galp-(1â†'2)-d-Galf in Trypanosoma cruzi mucins. Differences on sialylation by trans-sialidase of the two constituent hexasaccharides. Bioorganic and Medicinal Chemistry, 2015, 23, 1213-1222.	3.0	12
24	Continuous nonradioactive method for screening trypanosomal trans-sialidase activity and its inhibitors. Glycobiology, 2010, 20, 982-990.	2.5	11
25	Synthesis and characterization of Î±-d-Galp-(1â€¯â†'â€¯3)-Î²-d-Galp epitope-containing neoglycoconjugates for chagas disease serodiagnosis. Carbohydrate Research, 2019, 478, 58-67.	2.3	10
26	Influence of exo Î²-d-galactofuranosidase inhibitors in cultures of Penicillium fellutanum and modifications in hyphal cell structure. Carbohydrate Research, 2002, 337, 891-897.	2.3	9
27	Improved bioavailability of inhibitors of Trypanosoma cruzi trans-sialidase: PEGylation of lactose analogs with multiarm polyethyleneglycol. Glycobiology, 2012, 22, 1363-1373.	2.5	9
28	Synthesis of a model trisaccharide for studying the interplay between the anti Î±-Gal antibody and the trans-sialidase reactions in Trypanosoma cruzi. Carbohydrate Research, 2017, 450, 30-37.	2.3	8
29	Multivalent sialylation of Î²-thio-glycoclusters by Trypanosoma cruzi trans sialidase and analysis by high performance anion exchange chromatography. Glycoconjugate Journal, 2016, 33, 809-818.	2.7	7
30	Trypanosoma cruzi trans-sialidase. A tool for the synthesis of sialylated oligosaccharides. Carbohydrate Research, 2019, 479, 48-58.	2.3	7
31	trans-Sialylation: a strategy used to incorporate sialic acid into oligosaccharides. RSC Chemical Biology, 2022, 3, 121-139.	4.1	7
32	Synthesis of the hexasaccharide from Trypanosoma cruzi mucins with the Galp(1â€¯â†'â€¯2)Galf unit constructed with a superarmed thiogalactopyranosyl donor. Carbohydrate Research, 2019, 482, 107734.	2.3	2