Carla Marino

List of Publications by Year
in descending order

46 papers	815 citations	471509 17 h-index	526287 27 g-index
50 all docs	50 docs citations	50 times ranked	560 citing authors

#	Article	IF	Citations
1	Deoxy Sugars: Occurrence and Synthesis. Advances in Carbohydrate Chemistry and Biochemistry, 2007, 61, 143-216.	0.9	91
2	Synthesis of galactofuranose disaccharides of biological significance. Carbohydrate Research, 1989, 190, 65-76.	2.3	59
3	1-Thio-Â-D-galactofuranosides: synthesis and evaluation as Â-D-galactofuranosidase inhibitors. Glycobiology, 1998, 8, 901-904.	2.5	50
4	Synthesis of p-nitrophenyl Î²-d-galactofuranoside. A convenient substrate for Î²-galactofuranosidase. Carbohydrate Research, 1986, 155, 247-251.	2.3	46
5	Facile Synthesis of per-O-tert-Butyldimethylsilyl-Î²-d-galactofuranose and Efficient Glycosylation via the Galactofuranosyl Iodide. Journal of Organic Chemistry, 2009, 74, 1994-2003.	3.2	39
6	Convenient syntheses of 5-O- and 3,5-di-O-(Î²-d-galactofuranosyl)-d-galactofuranose. Carbohydrate Research, 1990, 200, 227-235.	2.3	34
7	ACIDS AND OTHER PRODUCTS OF OXIDATION OF SUGARS. Advances in Carbohydrate Chemistry and Biochemistry, 2003, 58, 199-306.	0.9	26
8	Immobilized 4-aminophenyl 1-thio-Î²-d-galactofuranoside as a matrix for affinity purification of an exo-Î²-d-galactofuranosidase. Carbohydrate Research, 1999, 320, 176-182.	2.3	24
9	Thiodisaccharides with galactofuranose or arabinofuranose as terminal units: Synthesis and inhibitory activity of an exo Î²-d-galactofuranosidase. Bioorganic and Medicinal Chemistry, 2009, 17, 2703-2711.	3.0	24
10	The glycosyl-aldonolactone approach for the synthesis of Î²-d-Galf-(1â†'3)-d-Manp and 3-deoxy-Î²-d-xylo-hexofuranosyl-(1â†'3)-d-Manp. Carbohydrate Research, 1998, 311, 183-189.	2.3	23
11	Two Straightforward Strategies for the Synthesis of Thiodisaccharides with a Furanose Unit as the Nonreducing End. European Journal of Organic Chemistry, 2008, 2008, 540-547.	2.4	22
12	Facile synthesis of glycofuranosyl isothiocyanates. Carbohydrate Research, 1997, 304, 257-260.	2.3	20
13	Synthesis of 4-nitrophenyl Î²-d-fucofuranoside and Î²-d-fucofuranosyl-(1â†'3)-d-mannopyranose: modified substrates for studies on catalytic requirements of Î²-d-galactofuranosidase. Carbohydrate Research, 1999, 323, 7-13.	2.3	20
14	Evidence for exo Î²-d-galactofuranosidase in Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2003, 127, 85-88.	1.1	19
15	Galactofuranose antigens, a target for diagnosis of fungal infections in humans. Future Science OA, 2017, 3, FSO199.	1.9	18
16	Synthesis of Î²-d-galactofuranosyl nucleoside analogues. A new type of Î²-d-galactofuranosidase inhibitor. Carbohydrate Research, 2001, 333, 123-128.	2.3	17
17	The First Chemical Synthesis of UDP[6-3H]-Î±-D-galactofuranose. European Journal of Organic Chemistry, 2005, 2005, 2958-2964.	2.4	17
18	5-Deoxy glycofuranosides by carboxyl group assisted photoinduced electron-transfer deoxygenation. Tetrahedron, 2008, 64, 1703-1710.	1.9	17

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19	Synthesis of <scp>D</scp>â€Galactofuranoseâ€Containing Molecules: Design of Galactofuranosyl Acceptors. ChemBioChem, 2014, 15, 188-204.	2.6	17
20	Reactions of per-O-benzoyl-Î²-D-Galf isothiocyanate, a chiral resolving agent. Tetrahedron, 1997, 53, 16009-16016.	1.9	16
21	Photoinduced electron transfer and chemical Î±-deoxygenation of d-galactono-1,4-lactone. Synthesis of 2-deoxy-d-lyxo-hexofuranosides. Carbohydrate Research, 2002, 337, 2119-2126.	2.3	16
22	Facile synthesis of methyl Î±- and Î²-d-[6-3H]galactofuranosides from d-galacturonic acid. Substrates for the detection of galactofuranosidases. Carbohydrate Research, 2008, 343, 1863-1869.	2.3	16
23	Synthesis of the (1â†’6)-linked thiodisaccharide of galactofuranose: Inhibitory activity against a Î²-galactofuranosidase. Bioorganic and Medicinal Chemistry, 2013, 21, 3327-3333.	3.0	16
24	Specific Tritium Labeling of Î²--Galactofuranosides at the 6-Position: A Tool for Î²--Galactofuranosidase Detection. Analytical Biochemistry, 2002, 301, 325-328.	2.4	14
25	Photoinduced electron-transfer Î±-deoxygenation of aldonolactones. Efficient synthesis of 2-deoxy-d-arabino-hexono-1,4-lactone. Carbohydrate Research, 2006, 341, 1788-1795.	2.3	14
26	Synthesis of S- and C-galactofuranosides via a galactofuranosyl iodide. Isolable 1-galactofuranosylthiol derivative as a new glycosyl donor. Carbohydrate Research, 2012, 362, 70-78.	2.3	14
27	Synthesis of 5-deoxy-Î²-d-galactofuranosides as tools for the characterization of Î²-d-galactofuranosidases. Bioorganic and Medicinal Chemistry, 2010, 18, 5339-5345.	3.0	13
28	Benzoylated hexa-2,4-dien-4-olides from aldono-1,4-lactones: Stereoselective synthesis of dideoxyaldonolactone derivatives. Carbohydrate Research, 1991, 220, 145-153.	2.3	10
29	Synthesis of 4-methylcoumarin-7-yl Î²-d-galactofuranoside, a fluorogenic substrate for galactofuranosidase. Carbohydrate Research, 1995, 276, 209-213.	2.3	10
30	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
31	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
32	Facile synthesis of benzyl Î²-d-galactofuranoside. A convenient intermediate for the synthesis of d-galactofuranose-containing molecules. Carbohydrate Research, 2006, 341, 2286-2289.	2.3	8
33	Synthesis of galactofuranosyl-(1 â†’ 5)-thiodisaccharide glycomimetics as inhibitors of a Î²-<scp>d</scp>-galactofuranosidase. RSC Advances, 2015, 5, 45631-45640.	3.6	8
34	Exhaustive rotamer search of the 4C1 conformation of Î±- and Î²-d-galactopyranose. Carbohydrate Research, 2017, 448, 136-147.	2.3	8
35	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
36	Deoxy sugars. General methods for carbohydrate deoxygenation and glycosidation. Organic and Biomolecular Chemistry, 2022, 20, 934-962.	2.8	8

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37	Synthesis and conformational analysis of 1,2-cis fused bicyclic Î±-d-galactofuranosyl thiocarbamate from per-O-tert-butyldimethylsilyl-Î²-d-galactofuranosyl isothiocyanate. Carbohydrate Research, 2011, 346, 191-196.	2.3	6
38	Synthetic tools for the characterization of galactofuranosyl transferases: glycosylations via acylated glycosyl iodides. Carbohydrate Research, 2013, 374, 75-81.	2.3	6
39	Regioselectivity of glycosylation reactions of galactose acceptors: an experimental and theoretical study. Beilstein Journal of Organic Chemistry, 2019, 15, 2982-2989.	2.2	6
40	Synthesis of a derivative of Î±-D-Glcp(1->2)-D-Galf suitable for further glycosylation and of Î±-D-Glcp(1->2)-D-Gal, a disaccharide fragment obtained from varianose. Beilstein Journal of Organic Chemistry, 2012, 8, 2142-2148.	2.2	4
41	<scp>d</scp>-Allose, a rare sugar. Synthesis of <scp>d</scp>-allopyranosyl acceptors from glucose, and their regioselectivity in glycosidation reactions. Organic and Biomolecular Chemistry, 2022, 20, 4589-4598.	2.8	4
42	Expedient synthesis of 1,6-anhydro-Î±-D-galactofuranose, a useful intermediate for glycobiological tools. Beilstein Journal of Organic Chemistry, 2014, 10, 1651-1656.	2.2	3
43	Defense elicitation activity of the ellagitannin HeT depends on its redox state. Scientia Horticulturae, 2020, 267, 109312.	3.6	3
44	Experimental and theoretical study of the O3/O4 regioselectivity of glycosylation reactions of glucopyranosyl acceptors. Tetrahedron, 2020, 76, 131719.	1.9	2
45	Acids and Other Products of Oxidation of Sugars. ChemInform, 2004, 35, no.	0.0	0
46	Improved synthesis of phytanyl Î±-D-cellobiosyldiphosphate as substrate for Î±-D-mannosyltransferase. Arkivoc, 2011, 2011, 38-48.	0.5	0