France-Isabelle Auzanneau

List of Publications by Year
in descending order

57 papers	825 citations	516710 16 h-index	580821 25 g-index
60 all docs	60 docs citations	60 times ranked	608 citing authors

#	Article	IF	Citations
1	Incidence and avoidance of stereospecific 1,2-ethylthio group migration during the synthesis of ethyl 1-thio-Î±-l-rhamnopyranoside 2,3-orthoester. Carbohydrate Research, 1991, 212, 13-24.	2.3	55
2	An endophytic fungus isolated from finger millet (Eleusine coracana) produces anti-fungal natural products. Frontiers in Microbiology, 2015, 6, 1157.	3.5	54
3	The Amide Group inN-Acetylglucosamine Glycosyl Acceptors Affects Glycosylation Outcome. Journal of Organic Chemistry, 2005, 70, 6265-6273.	3.2	52
4	Glycosylation ofN-Acetylglucosamine:â€‰ Imidate Formation and Unexpected Conformation. Organic Letters, 2003, 5, 2607-2610.	4.6	48
5	Preparation of antigens and immunoadsorbents corresponding to the Streptococcus group a cell-wall polysaccharide. Bioorganic and Medicinal Chemistry, 1996, 4, 2003-2010.	3.0	32
6	Specific binding of lipopolysaccharides to mouse macrophagesâ€”II. Involvement of distinct lipid a substructures. Molecular Immunology, 1990, 27, 763-770.	2.2	30
7	Challenging Deprotection Steps During the Synthesis of Tetra- and Pentasaccharide Fragments of the Le^aLe^x Tumor-Associated Hexasaccharide Antigen. Journal of Organic Chemistry, 2012, 77, 8864-8878.	3.2	30
8	Bivalency and epitope specificity of a high-affinity IgG3 monoclonal antibody to the Streptococcus Group A carbohydrate antigen. Molecular modeling of a Fv fragment. Carbohydrate Research, 2000, 324, 17-29.	2.3	27
9	Doubly Branched Hexasaccharide Epitope on the Cell Wall Polysaccharide of Group A Streptococci Recognized by Human and Rabbit Antisera. Infection and Immunity, 2005, 73, 6383-6389.	2.2	23
10	Application and limitations of the methyl imidate protection strategy of N-acetylglucosamine for glycosylations at O-4: synthesis of Lewis A and Lewis X trisaccharide analogues. Carbohydrate Research, 2008, 343, 2914-2923.	2.3	23
11	Application of thioglycoside chemistry to the synthesis of trisaccharides and deoxy-trisaccharides related to the Shigella flexneri Y polysaccharide. Canadian Journal of Chemistry, 1993, 71, 534-548.	1.1	20
12	Convenient Temporary Methyl Imidate Protection of N-Acetylglucosamine and Glycosylation at O-4. Journal of Organic Chemistry, 2008, 73, 7574-7579.	3.2	19
13	Synthesis of a BSA-Lex glycoconjugate and recognition of Lex analogues by the anti-Lex monoclonal antibody SH1: The identification of a non-cross reactive analogue. Bioorganic and Medicinal Chemistry, 2010, 18, 7174-7185.	3.0	18
14	Molecular Nuances Governing the Self-Assembly of 1,3:2,4-Dibenzylidene-<scp>d</scp>-sorbitol. Langmuir, 2017, 33, 10907-10916.	3.5	18
15	Synthesis of LeaLex oligosaccharide fragments and efficient one-step deprotection. Carbohydrate Research, 2010, 345, 1216-1221.	2.3	17
16	Synthesis and immunological activity of an oligosaccharide-conjugate as a vaccine candidate against Group A Streptococcus. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6038-6042.	2.2	17
17	How the Substituent at O-3 of N-Acetylglucosamine Impacts Glycosylation at O-4: A Comparative Study. Journal of Organic Chemistry, 2009, 74, 8321-8331.	3.2	16
18	Convergent Preparation of DimLe^x Hexasaccharide Analogues. European Journal of Organic Chemistry, 2011, 2011, 6864-6876.	2.4	16

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19	Matched and mismatched acceptor/donor pairs in the glycosylation of a trisaccharide diol free at O-3 of two N-acylated glucosamine residues. Carbohydrate Research, 2012, 357, 132-138.	2.3	15
20	Synthesis of 1,5-lactones of 3-deoxy-d-manno-2-octulopyranosonic acid (KDO). Carbohydrate Research, 1988, 179, 125-136.	2.3	14
21	Synthesis and characterization of polyethylene glycol polyacrylamide copolymer (PEGA) resins containing carbohydrate ligands. Evaluation as supports for affinity chromatography. Canadian Journal of Chemistry, 1998, 76, 1109-1118.	1.1	14
22	Convergent syntheses of Le^X analogues. Beilstein Journal of Organic Chemistry, 2010, 6, 17.	2.2	14
23	Conformational Dynamics of a Central Trisaccharide Fragment of the Le^aLe^x Tumor Associated Antigen Studied by NMR Spectroscopy and Molecular Dynamics Simulations. European Journal of Organic Chemistry, 2012, 2012, 4705-4715.	2.4	14
24	The flexibility of the LeaLex Tumor Associated Antigen central fragment studied by systematic and stochastic searches as well as dynamic simulations. Bioorganic and Medicinal Chemistry, 2009, 17, 1514-1526.	3.0	13
25	Synthesis of chlorodeoxy trisaccharides related to the Shigella flexneri Y polysaccharide. Carbohydrate Research, 1993, 247, 195-209.	2.3	12
26	Synthesis of Lewis X trisaccharide analogues in which glucose and rhamnose replace N-acetylglucosamine and fucose, respectively. Carbohydrate Research, 2003, 338, 1045-1054.	2.3	12
27	Synthesis of Lewis A trisaccharide analogues in which d-glucose and l-rhamnose replace d-galactose and l-fucose, respectively. Carbohydrate Research, 2006, 341, 2426-2433.	2.3	12
28	Synthesis of Lewis X and three Lewis X trisaccharide analogues in which glucose and rhamnose replace N-acetylglucosamine and fucose, respectively. Carbohydrate Research, 2008, 343, 1653-1664.	2.3	12
29	Aggregation of a Tetrasaccharide Acceptor Observed by NMR: Synthesis of Pentasaccharide Fragments of the Le^aLe^x Tumor-Associated Hexasaccharide Antigen. Journal of Organic Chemistry, 2015, 80, 5004-5013.	3.2	12
30	The synthesis of chemically modified disaccharide derivatives of the Shigella flexneri Y polysaccharide antigen. Carbohydrate Research, 1993, 240, 161-181.	2.3	11
31	Unusual conformational behavior of trisaccharides containing N-acetylglucosamine. Carbohydrate Research, 2005, 340, 2826-2832.	2.3	11
32	Conformational analyses of mycothiol, a critical intracellular glycothiol in Mycobacteria. Carbohydrate Research, 2006, 341, 1164-1173.	2.3	9
33	Selective Protection of 2-Azido-lactose and in Situ Ferrier Rearrangement during Glycosylation:Â Synthesis of a Dimeric Lewis X Fragment. Journal of Organic Chemistry, 2007, 72, 3585-3588.	3.2	9
34	Synthesis of S-linked thiooligosaccharide analogues of Nod factors: synthesis of new protected thiodisaccharide and thiotrisaccharide intermediates. Carbohydrate Research, 2003, 338, 1369-1379.	2.3	8
35	Understanding the Recognition of Lewis X by Anti-LexMonoclonal Antibodies. Journal of Medicinal Chemistry, 2013, 56, 8183-8190.	6.4	8
36	Orthoesters formation leading to mismatched Helferich glycosylations at O-3 of N-trichloroacetylated glucosamine residues. Carbohydrate Research, 2016, 425, 10-21.	2.3	8

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37	Synthesis of S-Linked Thiooligosaccharide Analogues of Nodulation Factors. 2.1Synthesis of an Intermediate Thiotrisaccharide. Journal of Organic Chemistry, 1998, 63, 6460-6465.	3.2	7
38	Synthesis of 6-thio pseudo glycolipids and their orientation on a gold slide studied by IRRAS. Carbohydrate Research, 2010, 345, 2723-2730.	2.3	7
39	Synthesis of 4â€•manipulated Lewis X trisaccharide analogues. Beilstein Journal of Organic Chemistry, 2012, 8, 1134-1143.	2.2	7
40	Formation of 1,5-lactones from 3-deoxy-d-manno-2-octulosonic acid derivatives.. Tetrahedron Letters, 1987, 28, 1393-1396.	1.4	6
41	Synthesis and NMR analysis of 13C-labeled oligosaccharides corresponding to the major glycolipid from Mycobacterium leprae. Carbohydrate Research, 1998, 306, 493-503.	2.3	6
42	Evidence for Two Populated Conformations for the Dimeric LeX and LeALeX Tumor-Associated Carbohydrate Antigens. Journal of Medicinal Chemistry, 2014, 57, 817-827.	6.4	6
43	Convergent synthesis of tetra- and penta-saccharide fragments of dimeric Lewis X. Carbohydrate Research, 2019, 482, 107730.	2.3	6
44	Hansen Solubility Parameters Clarify the Role of the Primary and Secondary Hydroxyl Groups on the Remarkable Self-Assembly of 1:3,2:4-Dibenzylidene Sorbitol. Journal of Physical Chemistry C, 2020, 124, 26455-26466.	3.1	6
45	Synthesis of allyl 6-O-(3-deoxy-Î±- and -Î²-d-manno-oct-2-ulopyranosylonic acid)-(1 â†') Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 the Î± anomer with acrylamide. Carbohydrate Research, 1992, 228, 37-45.	2.3	5
46	Stochastic conformational search on the Lewis X (Lex) trisaccharide and three Lexanalogues. Canadian Journal of Chemistry, 2002, 80, 1088-1095.	1.1	5
47	Synthesis and electrochemical characterization of 4-thio pseudo-glycolipids as candidate tethers for lipid bilayer models. Electrochimica Acta, 2019, 298, 150-162.	5.2	5
48	Supramolecular Fractal Growth of Self-Assembled Fibrillar Networks. Gels, 2021, 7, 46.	4.5	5
49	Chemoenzymatic synthesis of thio-nod factor intermediates Â— Enzymatic transfer of glucosamine on thiochitobiose derivatives. Canadian Journal of Chemistry, 2006, 84, 587-596.	1.1	4
50	Stochastic searches and NMR experiments on four Lewis A analogues: NMR experiments support some flexibility around the fucosidic bond. Bioorganic and Medicinal Chemistry, 2012, 20, 5085-5093.	3.0	4
51	Synthesis of Tumor-Associated Le^aLe^x Hexasaccharides: Instability of a Thiol-Containing Oligosaccharide in Mass Spectrometry and Hypermetalation Detected by ESI FAIMS. Journal of Organic Chemistry, 2015, 80, 8073-8083.	3.2	4
52	Synthesis of LacNAcLe^xâ€•and DimLe^xâ€BSA Conjugates and Binding to Antiâ€Polymeric Le^x mAbs. European Journal of Organic Chemistry, 2019, 2019, 6631-6645.	2.4	4
53	ROESY and ¹³C NMR to distinguish between <scp>d</scp>- and <scp>l</scp>-rhamnose in the Î±-<scp>d</scp>-Manp-(1 â†' 4)-Î²-Rhap-(1 â†' 3) repeating motif. Organic and Biomolecular Chemistry, 2022, 20, 2964-2980.	2.8	4
54	Attempts to prepare tethered bilayer lipid membranes using synthetic thioglycolipid anchors: synthesis of 6â€³-thiotrisaccharide glycolipid analogues and applications. Carbohydrate Research, 2014, 390, 50-58.	2.3	3

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55	Recognition of Lewis X by Anti-LexMonoclonal Antibody 1G5F6. Journal of Immunology, 2019, 203, 3037-3044.	0.8	3
56	Recognition of Dimeric Lewis X by Anti-Dimeric Lex Antibody SH2. Vaccines, 2020, 8, 538.	4.4	3
57	Anti-Lea monoclonal antibody SPM 522 recognizes an extended Lea epitope. Bioorganic and Medicinal Chemistry, 2022, 56, 116628.	3.0	1