

Laurent Legentil

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.

37
papers

454
citations

11
h-index

20
g-index

42
ext. papers

531
ext. citations

4.9
avg, IF

3.26
L-index

#	Paper	IF	Citations
37	Synthesis of an Exhaustive Library of Naturally Occurring Gal-Man and Gal-Man Disaccharides. Toward Fingerprinting According to Ring Size by Advanced Mass Spectrometry-Based IM-MS and IRMPD. <i>Journal of Organic Chemistry</i> , 2021 , 86, 6390-6405	4.2	2
36	Distinguishing Galactoside Isomers with Mass Spectrometry and Gas-Phase Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 10509-10513	16.4	4
35	6-Deoxy-6-fluoro galactofuranosides: regioselective glycosylation, unexpected reactivity, and anti-leishmanial activity. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 1462-1475	3.9	1
34	Identification and Quantification of Any Isoforms of Carbohydrates by 2D UV-MS Fingerprinting of Cold Ions. <i>Analytical Chemistry</i> , 2020 , 92, 14624-14632	7.8	9
33	Hydrophobized laminarans as new biocompatible anti-oomycete compounds for grapevine protection. <i>Carbohydrate Polymers</i> , 2019 , 225, 115224	10.3	6
32	Improvement of the versatility of an arabinofuranosidase against galactofuranose for the synthesis of galactofuranoconjugates. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 6799-6808	3.9	1
31	Galactofuranosidase from JHA 19 <i>Streptomyces</i> sp.: subcloning and biochemical characterization. <i>Carbohydrate Research</i> , 2019 , 480, 35-41	2.9	2
30	Spectroscopic diagnostic for the ring-size of carbohydrates in the gas phase: furanose and pyranose forms of GalNAc. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 12460-12467	3.6	8
29	Multiple-stage Precursor Ion Separation and High Resolution Mass Spectrometry toward Structural Characterization of 2,3-Diacyltrehalose Family from <i>Mycobacterium tuberculosis</i> . <i>Separations</i> , 2019 , 6, 4	3.1	7
28	In vitro and in vivo immunomodulatory properties of octyl-ED-galactofuranoside during <i>Leishmania donovani</i> infection. <i>Parasites and Vectors</i> , 2019 , 12, 600	4	2
27	Protecting Group Strategies Toward Glycofuranoses 2019 , 337-370		
26	Diversion of a thioglycoligase for the synthesis of 1-O-acyl arabinofuranoses. <i>Chemical Communications</i> , 2018 , 54, 5550-5553	5.8	6
25	Synthesis and biological properties of galactofuranosyl-containing fluorescent dyes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 152-155	2.9	1
24	Regioselective Galactofuranosylation for the Synthesis of Disaccharide Patterns Found in Pathogenic Microorganisms. <i>Journal of Organic Chemistry</i> , 2017 , 82, 7114-7122	4.2	7
23	A fully enzymatic esterification/transesterification sequence for the preparation of symmetrical and unsymmetrical trehalose diacyl conjugates. <i>Green Chemistry</i> , 2017 , 19, 987-995	10	8
22	Regioselective glycosylation: What's new?. <i>Carbohydrate Chemistry</i> , 2017 , 104-134	3	4
21	Efficient isomerization of methyl arabinofuranosides into corresponding arabinopyranosides in presence of pyridine. <i>Carbohydrate Research</i> , 2016 , 433, 63-6	2.9	2

20	An ethoxylated surfactant enhances the penetration of the sulfated laminarin through leaf cuticle and stomata, leading to increased induced resistance against grapevine downy mildew. <i>Physiologia Plantarum</i> , 2016 , 156, 338-50	4.6	14
19	Synthesis and evaluation of 1,2-trans alkyl galactofuranoside mimetics as mycobacteriostatic agents. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 4940-52	3.9	7
18	Leishmania cell wall as a potent target for antiparasitic drugs. A focus on the glycoconjugates. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 8393-404	3.9	30
17	Molecular Interactions of α (1-3)-Glucans with Their Receptors. <i>Molecules</i> , 2015 , 20, 9745-66	4.8	89
16	Structural and biochemical characterization of the laminarinase ZgLamCGH16 from <i>Zobellia galactanivorans</i> suggests preferred recognition of branched laminarin. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015 , 71, 173-84		29
15	Oligo- α (1-3)-glucans: impact of thio-bridges on immunostimulating activities and the development of cancer stem cells. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 8280-92	8.3	11
14	Environmentally benign glycosylation of aryl pyranosides and aryl/alkyl furanosides demonstrating the versatility of thermostable CGTase from <i>Thermoanaerobacterium</i> sp.. <i>Green Chemistry</i> , 2014 , 16, 3803-3809	10	2
13	Alkyl galactofuranosides strongly interact with <i>Leishmania donovani</i> membrane and provide antileishmanial activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 2156-66	5.9	13
12	Identification of three elicitors and a galactan-based complex polysaccharide from a concentrated culture filtrate of <i>Phytophthora infestans</i> efficient against <i>Pectobacterium atrosepticum</i> . <i>Molecules</i> , 2014 , 19, 15374-90	4.8	9
11	Chapter 19:How recent knowledge on furano-specific enzymes has renewed interest for the synthesis of glycofuranosyl-containing conjugates. <i>Carbohydrate Chemistry</i> , 2014 , 401-417	3	4
10	Two-step synthesis of per-O-acetylfuranoses: optimization and rationalization. <i>Journal of Organic Chemistry</i> , 2012 , 77, 1301-7	4.2	22
9	Characterization of biodegradable poly(butylene adipate-co-terephthalate)/sodium caseinate films loaded with an alkyl furanoside as antimicrobial agent. <i>Journal of Materials Science</i> , 2012 , 47, 5806-5814	4.3	2
8	Specific and non-specific enzymes for furanosyl-containing conjugates: biosynthesis, metabolism, and chemo-enzymatic synthesis. <i>Carbohydrate Research</i> , 2012 , 356, 44-61	2.9	34
7	Natural glycans and glycoconjugates as immunomodulating agents. <i>Natural Product Reports</i> , 2011 , 28, 937-52	15.1	37
6	Exploring the synthetic potency of the first furanothioglycoligase through original remote activation. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 8371-8	3.9	20
5	Probing α (1-3)-D-glucans interactions with recombinant human receptors using high-resolution NMR studies. <i>Carbohydrate Research</i> , 2011 , 346, 1490-4	2.9	22
4	Studies of a furanoside as antimycobacterial agent loaded into a biodegradable PBAT/sodium caseinate support. <i>Carbohydrate Research</i> , 2011 , 346, 1541-5	2.9	14
3	Direct access to new β D-galactofuranoconjugates: application to the synthesis of galactofuranosyl-l-cysteine and l-serine. <i>Tetrahedron Letters</i> , 2011 , 52, 1121-1123	2	4

- 2 Synthetic UDP-furanoses inhibit the growth of the parasite Leishmania. *Carbohydrate Research*, **2010**, 345, 1299-305 2.9 9
- 1 Double diastereoselection explains limitations in synthesizing mannose-containing beta-(1,3)-glucans. *Carbohydrate Research*, **2010**, 345, 1366-70 2.9 11