

Vincent Ferrires

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.

88
papers

1,742
citations

27
h-index

37
g-index

110
ext. papers

1,913
ext. citations

4.1
avg, IF

4.25
L-index

#	Paper	IF	Citations
88	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
87	Saponin contents in the starfish <i>Echinaster sepositus</i> : Chemical characterization, qualitative and quantitative distribution. <i>Biochemical Systematics and Ecology</i> , 2021 , 96, 104262	1.4	2
86	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
85	Arabinogalactan-like Glycoproteins from <i>Ulva lactuca</i> (Chlorophyta) Show Unique Features Compared to Land Plants AGPs. <i>Journal of Phycology</i> , 2021 , 57, 619-635	3	3
84	Formation of Amphiphilic Molecules from the Most Common Marine Polysaccharides, toward a Sustainable Alternative?. <i>Molecules</i> , 2021 , 26,	4.8	4
83	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
82	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
81	Hydrophobized laminarans as new biocompatible anti-oomycete compounds for grapevine protection. <i>Carbohydrate Polymers</i> , 2019 , 225, 115224	10.3	6
80	Galactofuranosidase from JHA 19 <i>Streptomyces</i> sp.: subcloning and biochemical characterization. <i>Carbohydrate Research</i> , 2019 , 480, 35-41	2.9	2
79	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
78	<i>Pseudomonas aeruginosa</i> resistance of monosaccharide-functionalized glass surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 183, 110383	6	5
77	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
76	Protecting Group Strategies Toward Glycofuranoses 2019 , 337-370		
75	Synthesis and biological properties of galactofuranosyl-containing fluorescent dyes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 152-155	2.9	1
74	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
73	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
72	Regioselective glycosylation: What's new?. <i>Carbohydrate Chemistry</i> , 2017 , 104-134	3	4

71	Efficient isomerization of methyl arabinofuranosides into corresponding arabinopyranosides in presence of pyridine. <i>Carbohydrate Research</i> , 2016 , 433, 63-6	2.9	2
70	Biocatalyzed synthesis of difuranosides and their ability to trigger production of TNF- α <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 1550-1553	2.9	5
69	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
68	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
67	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
66	A step further in Peer Instruction: Using the Stepladder technique to improve learning. <i>Computers and Education</i> , 2015 , 91, 1-13	9.5	16
65	Araf51 with improved transglycosylation activities: one engineered biocatalyst for one specific acceptor. <i>Carbohydrate Research</i> , 2015 , 402, 50-5	2.9	7
64	Molecular Interactions of α (1- β)-Glucans with Their Receptors. <i>Molecules</i> , 2015 , 20, 9745-66	4.8	89
63	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
62	Semi-rational approach for converting a GH36 β glycosidase into an α transglycosidase. <i>Glycobiology</i> , 2015 , 25, 420-7	5.8	21
61	Oligo- α (1- β)-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
60	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
59	The versatile enzyme Araf51 allowed efficient synthesis of rare pathogen-related α D-galactofuranosyl-pyranoside disaccharides. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 3080-9	3.9	8
58	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
57	From algal polysaccharides to cyclodextrins to stabilize a urease inhibitor. <i>Carbohydrate Polymers</i> , 2014 , 112, 145-51	10.3	8
56	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
55	α (1- β)-Glucan-mannitol conjugates: scope and amazing results. <i>Annals of Translational Medicine</i> , 2014 , 2, 12	3.2	1
54	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

53	Impact of glycosylation on physicochemical and biological properties of nitrification inhibitors. <i>Tetrahedron</i> , 2012 , 68, 7095-7102	2.4	1
52	Two-step synthesis of per-O-acetylfuranoses: optimization and rationalization. <i>Journal of Organic Chemistry</i> , 2012 , 77, 1301-7	4.2	22
51	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
50	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
49	Natural glycans and glycoconjugates as immunomodulating agents. <i>Natural Product Reports</i> , 2011 , 28, 937-52	15.1	37
48	New 4-deoxy-(1- β)-D-glucan-based oligosaccharides and their immunostimulating potential. <i>Carbohydrate Research</i> , 2011 , 346, 2213-21	2.9	15
47	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
46	Probing β (1- β)-D-glucans interactions with recombinant human receptors using high-resolution NMR studies. <i>Carbohydrate Research</i> , 2011 , 346, 1490-4	2.9	22
45	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
44	Direct access to new β -D-galactofuranosyl-conjugates: application to the synthesis of galactofuranosyl-L-cysteine and L-serine. <i>Tetrahedron Letters</i> , 2011 , 52, 1121-1123	2	4
43	Biological properties of (1- β)-D-glucan-based synthetic oligosaccharides. <i>Journal of Medicinal Food</i> , 2011 , 14, 369-76	2.8	12
42	Enzymatic synthesis of oligo-D-galactofuranosides and L-arabinofuranosides: from molecular dynamics to immunological assays. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 2092-102	3.9	28
41	Synthetic UDP-furanoses as potent inhibitors of mycobacterial galactan biogenesis. <i>Chemistry and Biology</i> , 2010 , 17, 1356-66		41
40	New oligo-beta-(1,3)-glucan derivatives as immunostimulating agents. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 348-57	3.4	25
39	Synthetic UDP-furanoses inhibit the growth of the parasite Leishmania. <i>Carbohydrate Research</i> , 2010 , 345, 1299-305	2.9	9
38	Double diastereoselection explains limitations in synthesizing mannose-containing beta-(1,3)-glucans. <i>Carbohydrate Research</i> , 2010 , 345, 1366-70	2.9	11
37	A single UDP-galactofuranose transporter is required for galactofuranosylation in <i>Aspergillus fumigatus</i> . <i>Journal of Biological Chemistry</i> , 2009 , 284, 33859-68	5.4	49
36	Probing UDP-galactopyranose mutase binding pocket: a dramatic effect on substitution of the 6-position of UDP-galactofuranose. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 814-6	2.9	30

35	Influencing the regioselectivity of lipase-catalyzed hydrolysis with [bmim]PF ₆ . <i>Tetrahedron Letters</i> , 2009 , 50, 2083-2085	2	16
34	Enzyme-catalyzed synthesis of furanosyl nucleotides. <i>Organic Letters</i> , 2008 , 10, 161-3	6.2	29
33	Engineering ribonucleoside triphosphate specificity in a thymidyltransferase. <i>Biochemistry</i> , 2008 , 47, 8719-25	3.2	20
32	Stereoselective Chemoenzymatic Synthesis of UDP-1,2-cis-furanoses from β -Furanosyl 1-Phosphates. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 5988-5994	3.2	13
31	Recent knowledge and innovations related to hexofuranosides: structure, synthesis and applications. <i>Carbohydrate Research</i> , 2008 , 343, 1897-923	2.9	129
30	4-Nitro-phenyl β -rhamnopyran-oxide hemihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o379		
29	First o-glycosylation from unprotected 1-thioimidoyl hexofuranosides assisted by divalent cations. <i>Journal of Organic Chemistry</i> , 2007 , 72, 5743-7	4.2	14
28	Thioimidoyl furanosides as first inhibitors of the alpha-L-arabinofuranosidase AbfD3. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 434-8	2.9	5
27	Benzyl 4,6-di-O-acetyl-2-O-benzoyl- β -D-glucopyranoside. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, o2286-o2288		
26	Versatile synthesis of rare nucleotide furanoses. <i>Organic Letters</i> , 2007 , 9, 5227-30	6.2	30
25	Recent progress in the field of beta-(1,3)-glucans and new applications. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006 , 6, 1341-9	3.2	32
24	Synthesis of galactofuranose-containing disaccharides using thioimidoyl-type donors. <i>Carbohydrate Research</i> , 2006 , 341, 2759-68	2.9	19
23	General one-step synthesis of free hexofuranosyl 1-phosphates using unprotected 1-thioimidoyl hexofuranosides. <i>Journal of Organic Chemistry</i> , 2005 , 70, 847-55	4.2	33
22	1,2,3-Triazoles and related glycoconjugates as new glycosidase inhibitors. <i>Tetrahedron</i> , 2005 , 61, 9118-9128	3.2	68
21	A Chemoenzymatic Approach for the Synthesis of Unnatural Disaccharides Containing D-Galacto- or D-Fucofuranosides. <i>European Journal of Organic Chemistry</i> , 2005 , 2005, 4860-4869	3.2	18
20	Glucan-like synthetic oligosaccharides: iterative synthesis of linear oligo-beta-(1,3)-glucans and immunostimulatory effects. <i>Glycobiology</i> , 2005 , 15, 393-407	5.8	67
19	Efficient gene transfer into human epithelial cell lines using glycosylated cationic carriers and neutral glycosylated co-lipids. <i>Blood Cells, Molecules, and Diseases</i> , 2004 , 32, 271-82	2.1	17
18	First Intramolecular Aglycon Delivery onto a D-Fucofuranosyl Entity for the Synthesis of β -D-Fucofuranose-Containing Disaccharides. <i>European Journal of Organic Chemistry</i> , 2003 , 2003, 1285-1293 ²	3.2	30

17	A new synthesis of the oligosaccharide domain of acarbose. <i>Carbohydrate Research</i> , 2003 , 338, 2779-92	2.9	17
16	Cationic lipids derived from glycine betaine promote efficient and non-toxic gene transfection in cultured hepatocytes. <i>Journal of Gene Medicine</i> , 2002 , 4, 415-27	3.5	31
15	A novel synthesis of D-galactofuranosyl, D-glucofuranosyl and D-mannofuranosyl 1-phosphates based on remote activation of new and free hexofuranosyl donors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002 , 12, 3515-8	2.9	32
14	Synthesis of 4-Methylumbellifer-7-yl-alpha-D-Mannopyranoside: An Introduction to Modern Glycosylation Reactions. <i>Journal of Chemical Education</i> , 2002 , 79, 1353	2.4	5
13	Unexpected fluorous solvent effect on oxidation of 1-thioglycosides. <i>Tetrahedron: Asymmetry</i> , 2001 , 12, 2389-2393		8
12	A NEW APPROACH TO A DISACCHARIDIC HAPTEN CONTAINING A GALACTOFURANOSYL ENTITY1-2. <i>Journal of Carbohydrate Chemistry</i> , 2001 , 20, 855-865	1.7	14
11	Epoxidation of allylic alcohols in aqueous solutions of non surfactant amphiphilic sugars. <i>Chemical Communications</i> , 2001 , 2460-1	5.8	13
10	A General and Diastereoselective Synthesis of 1,2-cis-Hexofuranosides from 1,2-trans-Thiofuranosyl Donors. <i>European Journal of Organic Chemistry</i> , 2000 , 2000, 1423-1431	3.2	38
9	Sulfur atom configuration of sulfinyl galactofuranosides determines different reactivities in glycosylation reactions. <i>Tetrahedron Letters</i> , 2000 , 41, 5515-5519	2	13
8	Synthesis of the glycosyl phosphatidyl inositol anchor of rat brain Thy-1. <i>Tetrahedron Letters</i> , 1999 , 40, 679-682	2	27
7	Diastereospecific synthesis and amphiphilic properties of new alkyl D-fructopyranosides. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999 , 951-960		19
6	A convenient synthesis of alkyl d-glycofuranosiduronic acids and alkyl d-glycofuranosides from unprotected carbohydrates. <i>Carbohydrate Research</i> , 1998 , 311, 25-35	2.9	59
5	An efficient route to per-O-acetylated hexofuranoses. <i>Carbohydrate Research</i> , 1998 , 314, 79-83	2.9	30
4	New biocompatible cationic amphiphiles derivative from glycine betaine: a novel family of efficient nonviral gene transfer agents. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 251, 360-5	3.4	31
3	A new synthesis of O-glycosides from totally O-unprotected glycosyl donors. <i>Tetrahedron Letters</i> , 1995 , 36, 2749-2752	2	73
2	A new synthesis of D-glycosiduronates from unprotected D-uronic acids. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 1391-1393		36
1	Amphitropic liquid-crystalline properties of some novel alkyl furanosides. <i>Journal of Materials Chemistry</i> , 1995 , 5, 2209-2220		35