Vincent Ferrires

List of Publications by Citations

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	Recent knowledge and innovations related to hexofuranosides: structure, synthesis and applications. *Carbohydrate Research*, **2008**, 343, 1897-923	2.9	129
87	Molecular Interactions of β(1-3)-Glucans with Their Receptors. *Molecules*, **2015**, 20, 9745-66	4.8	89
86	A new synthesis of O-glycosides from totally O-unprotected glycosyl donors. *Tetrahedron Letters*, **1995**, 36, 2749-2752	2	73
85	1,2,3-Triazoles and related glycoconjugates as new glycosidase inhibitors. *Tetrahedron*, **2005**, 61, 9118-9128	2.9	68
84	Glucan-like synthetic oligosaccharides: iterative synthesis of linear oligo-beta-(1,3)-glucans and immunostimulatory effects. *Glycobiology*, **2005**, 15, 393-407	5.8	67
83	A convenient synthesis of alkyl d-glycofuranosiduronic acids and alkyl d-glycofuranosides from unprotected carbohydrates. *Carbohydrate Research*, **1998**, 311, 25-35	2.9	59
82	A single UDP-galactofuranose transporter is required for galactofuranosylation in Aspergillus fumigatus. *Journal of Biological Chemistry*, **2009**, 284, 33859-68	5.4	49
81	Synthetic UDP-furanoses as potent inhibitors of mycobacterial galactan biogenesis. *Chemistry and Biology*, **2010**, 17, 1356-66		41
80	A General and Diastereoselective Synthesis of 1,2-cis-Hexofuranosides from 1,2-trans-Thiofuranosyl Donors. *European Journal of Organic Chemistry*, **2000**, 2000, 1423-1431	3.2	38
79	Natural glycans and glycoconjugates as immunomodulating agents. *Natural Product Reports*, **2011**, 28, 937-52	15.1	37
78	A new synthesis of D-glycosiduronates from unprotected D-uronic acids. *Journal of the Chemical Society Chemical Communications*, **1995**, 1391-1393		36
77	Amphitropic liquid-crystalline properties of some novel alkyl furanosides. *Journal of Materials Chemistry*, **1995**, 5, 2209-2220		35
76	Specific and non-specific enzymes for furanosyl-containing conjugates: biosynthesis, metabolism, and chemo-enzymatic synthesis. *Carbohydrate Research*, **2012**, 356, 44-61	2.9	34
75	General one-step synthesis of free hexofuranosyl 1-phosphates using unprotected 1-thioimidoyl hexofuranosides. *Journal of Organic Chemistry*, **2005**, 70, 847-55	4.2	33
74	Recent progress in the field of beta-(1,3)-glucans and new applications. *Mini-Reviews in Medicinal Chemistry*, **2006**, 6, 1341-9	3.2	32
73	A novel synthesis of D-galactofuranosyl, D-glucofuranosyl and D-mannofuranosyl 1-phosphates based on remote activation of new and free hexofuranosyl donors. *Bioorganic and Medicinal Chemistry Letters*, **2002**, 12, 3515-8	2.9	32
72	Cationic lipids derived from glycine betaine promote efficient and non-toxic gene transfection in cultured hepatocytes. *Journal of Gene Medicine*, **2002**, 4, 415-27	3.5	31

71	New biocompatible cationic amphiphiles derivative from glycine betaine: a novel family of efficient nonviral gene transfer agents. *Biochemical and Biophysical Research Communications*, **1998**, 251, 360-5	3.4	31
70	Leishmania cell wall as a potent target for antiparasitic drugs. A focus on the glycoconjugates. *Organic and Biomolecular Chemistry*, **2015**, 13, 8393-404	3.9	30
69	Probing UDP-galactopyranose mutase binding pocket: a dramatic effect on substitution of the 6-position of UDP-galactofuranose. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 814-6	2.9	30
68	An efficient route to per-O-acetylated hexofuranoses. *Carbohydrate Research*, **1998**, 314, 79-83	2.9	30
67	Versatile synthesis of rare nucleotide furanoses. *Organic Letters*, **2007**, 9, 5227-30	6.2	30
66	First Intramolecular Aglycon Delivery onto a D-Fucofuranosyl Entity for the Synthesis of -D-Fucofuranose-Containing Disaccharides. *European Journal of Organic Chemistry*, **2003**, 2003, 1285-1293	3.2	30
65	Structural and biochemical characterization of the laminarinase ZgLamCGH16 from Zobellia galactanivorans suggests preferred recognition of branched laminarin. *Acta Crystallographica Section D: Biological Crystallography*, **2015**, 71, 173-84		29
64	Enzyme-catalyzed synthesis of furanosyl nucleotides. *Organic Letters*, **2008**, 10, 161-3	6.2	29
63	Enzymatic synthesis of oligo-D-galactofuranosides and l-arabinofuranosides: from molecular dynamics to immunological assays. *Organic and Biomolecular Chemistry*, **2010**, 8, 2092-102	3.9	28
62	Synthesis of the glycosyl phosphatidyl inositol anchor of rat brain Thy-1. *Tetrahedron Letters*, **1999**, 40, 679-682	2	27
61	New oligo-beta-(1,3)-glucan derivatives as immunostimulating agents. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 348-57	3.4	25
60	Two-step synthesis of per-O-acetylfuranoses: optimization and rationalization. *Journal of Organic Chemistry*, **2012**, 77, 1301-7	4.2	22
59	Probing (1-3)-D-glucans interactions with recombinant human receptors using high-resolution NMR studies. *Carbohydrate Research*, **2011**, 346, 1490-4	2.9	22
58	Semi-rational approach for converting a GH36 -glycosidase into an -transglycosidase. *Glycobiology*, **2015**, 25, 420-7	5.8	21
57	Exploring the synthetic potency of the first furanothioglycoligase through original remote activation. *Organic and Biomolecular Chemistry*, **2011**, 9, 8371-8	3.9	20
56	Engineering ribonucleoside triphosphate specificity in a thymidylyltransferase. *Biochemistry*, **2008**, 47, 8719-25	3.2	20
55	Synthesis of galactofuranose-containing disaccharides using thioimidoyl-type donors. *Carbohydrate Research*, **2006**, 341, 2759-68	2.9	19
54	Diastereospecific synthesis and amphiphilic properties of new alkyl -D-fructopyranosides. *Journal of the Chemical Society Perkin Transactions II*, **1999**, 951-960		19

53	A Chemoenzymatic Approach for the Synthesis of Unnatural Disaccharides Containing D-Galacto- or D-Fucofuranosides. *European Journal of Organic Chemistry*, **2005**, 2005, 4860-4869	3.2	18
52	A new synthesis of the oligosaccharide domain of acarbose. *Carbohydrate Research*, **2003**, 338, 2779-92	2.9	17
51	Efficient gene transfer into human epithelial cell lines using glycosylated cationic carriers and neutral glycosylated co-lipids. *Blood Cells, Molecules, and Diseases*, **2004**, 32, 271-82	2.1	17
50	A step further in Peer Instruction: Using the Stepladder technique to improve learning. *Computers and Education*, **2015**, 91, 1-13	9.5	16
49	Influencing the regioselectivity of lipase-catalyzed hydrolysis with [bmim]PF6. *Tetrahedron Letters*, **2009**, 50, 2083-2085	2	16
48	New 4-deoxy-(1-β)-D-glucan-based oligosaccharides and their immunostimulating potential. *Carbohydrate Research*, **2011**, 346, 2213-21	2.9	15
47	Studies of a furanoside as antimycobacterial agent loaded into a biodegradable PBAT/sodium caseinate support. *Carbohydrate Research*, **2011**, 346, 1541-5	2.9	14
46	First o-glycosylation from unprotected 1-thioimidoyl hexofuranosides assisted by divalent cations. *Journal of Organic Chemistry*, **2007**, 72, 5743-7	4.2	14
45	A NEW APPROACH TO A DISACCHARIDIC HAPTEN CONTAINING A GALACTOFURANOSYL ENTITY1-2. *Journal of Carbohydrate Chemistry*, **2001**, 20, 855-865	1.7	14
44	An ethoxylated surfactant enhances the penetration of the sulfated laminarin through leaf cuticle and stomata, leading to increased induced resistance against grapevine downy mildew. *Physiologia Plantarum*, **2016**, 156, 338-50	4.6	14
43	Alkyl galactofuranosides strongly interact with Leishmania donovani membrane and provide antileishmanial activity. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 2156-66	5.9	13
42	Stereoselective Chemoenzymatic Synthesis of UDP-1,2-cis-furanoses from Furanosyl 1-Phosphates. *European Journal of Organic Chemistry*, **2008**, 2008, 5988-5994	3.2	13
41	Sulfur atom configuration of sulfinyl galactofuranosides determines different reactivities in glycosylation reactions. *Tetrahedron Letters*, **2000**, 41, 5515-5519	2	13
40	Epoxidation of allylic alcohols in aqueous solutions of non surfactant amphiphilic sugars. *Chemical Communications*, **2001**, 2460-1	5.8	13
39	Biological properties of (1 -β)-D-glucan-based synthetic oligosaccharides. *Journal of Medicinal Food*, **2011**, 14, 369-76	2.8	12
38	Oligo-(1 -β)-glucans: impact of thio-bridges on immunostimulating activities and the development of cancer stem cells. *Journal of Medicinal Chemistry*, **2014**, 57, 8280-92	8.3	11
37	Double diastereoselection explains limitations in synthesizing mannose-containing beta-(1,3)-glucans. *Carbohydrate Research*, **2010**, 345, 1366-70	2.9	11
36	Identification of three elicitins and a galactan-based complex polysaccharide from a concentrated culture filtrate of Phytophthora infestans efficient against Pectobacterium atrosepticum. *Molecules* , **2014**, 19, 15374-90	4.8	9

35	Synthetic UDP-furanoses inhibit the growth of the parasite Leishmania. *Carbohydrate Research*, **2010**, 345, 1299-305	2.9	9
34	Identification and Quantification of Any Isoforms of Carbohydrates by 2D UV-MS Fingerprinting of Cold Ions. *Analytical Chemistry*, **2020**, 92, 14624-14632	7.8	9
33	A fully enzymatic esterification/transesterification sequence for the preparation of symmetrical and unsymmetrical trehalose diacyl conjugates. *Green Chemistry*, **2017**, 19, 987-995	10	8
32	Spectroscopic diagnostic for the ring-size of carbohydrates in the gas phase: furanose and pyranose forms of GalNAc. *Physical Chemistry Chemical Physics*, **2019**, 21, 12460-12467	3.6	8
31	The versatile enzyme Araf51 allowed efficient synthesis of rare pathogen-related □D-galactofuranosyl-pyranoside disaccharides. *Organic and Biomolecular Chemistry*, **2014**, 12, 3080-9	3.9	8
30	From algal polysaccharides to cyclodextrins to stabilize a urease inhibitor. *Carbohydrate Polymers*, **2014**, 112, 145-51	10.3	8
29	Unexpected fluorous solvent effect on oxidation of 1-thioglycosides. *Tetrahedron: Asymmetry*, **2001** , 12, 2389-2393		8
28	Regioselective Galactofuranosylation for the Synthesis of Disaccharide Patterns Found in Pathogenic Microorganisms. *Journal of Organic Chemistry*, **2017**, 82, 7114-7122	4.2	7
27	Synthesis and evaluation of 1,2-trans alkyl galactofuranoside mimetics as mycobacteriostatic agents. *Organic and Biomolecular Chemistry*, **2015**, 13, 4940-52	3.9	7
26	Araf51 with improved transglycosylation activities: one engineered biocatalyst for one specific acceptor. *Carbohydrate Research*, **2015**, 402, 50-5	2.9	7
25	Hydrophobized laminarans as new biocompatible anti-oomycete compounds for grapevine protection. *Carbohydrate Polymers*, **2019**, 225, 115224	10.3	6
24	Biocatalyzed synthesis of difuranosides and their ability to trigger production of TNF-□*Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 1550-1553	2.9	5
23	Pseudomonas aeruginosa resistance of monosaccharide-functionalized glass surfaces. *Colloids and Surfaces B: Biointerfaces*, **2019**, 183, 110383	6	5
22	Thioimidoyl furanosides as first inhibitors of the alpha-L-arabinofuranosidase AbfD3. *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 434-8	2.9	5
21	Synthesis of 4-Methylumbellifer-7-yl-alpha-D-Mannopyranoside: An Introduction to Modern Glycosylation Reactions. *Journal of Chemical Education*, **2002**, 79, 1353	2.4	5
20	Direct access to new □d-galactofuranoconjugates: application to the synthesis of galactofuranosyl-l-cysteine and l-serine. *Tetrahedron Letters*, **2011**, 52, 1121-1123	2	4
19	Regioselective glycosylation: What□s new?. *Carbohydrate Chemistry*, **2017**, 104-134	3	4
18	Chapter 19:How recent knowledge on furano-specific enzymes has renewed interest for the synthesis of glycofuranosyl-containing conjugates. *Carbohydrate Chemistry*, **2014**, 401-417	3	4

17	Distinguishing Galactoside Isomers with Mass Spectrometry and Gas-Phase Infrared Spectroscopy. *Journal of the American Chemical Society*, **2021**, 143, 10509-10513	16.4	4
16	Formation of Amphiphilic Molecules from the Most Common Marine Polysaccharides, toward a Sustainable Alternative?. *Molecules*, **2021**, 26,	4.8	4
15	Arabinogalactan-like Glycoproteins from Ulva lactuca (Chlorophyta) Show Unique Features Compared to Land Plants AGPs. *Journal of Phycology*, **2021**, 57, 619-635	3	3
14	Galactofuranosidase from JHA 19 Streptomyces sp.: subcloning and biochemical characterization. *Carbohydrate Research*, **2019**, 480, 35-41	2.9	2
13	Efficient isomerization of methyl arabinofuranosides into corresponding arabinopyranosides in presence of pyridine. *Carbohydrate Research*, **2016**, 433, 63-6	2.9	2
12	Environmentally benign glycosylation of aryl pyranosides and aryl/alkyl furanosides demonstrating the versatility of thermostable CGTase from Thermoanaerobacterium sp.. *Green Chemistry*, **2014**, 16, 3803-3809	10	2
11	Characterization of biodegradable poly(butylene adipate-co-terephtalate)/sodium caseinate films loaded with an alkyl furanoside as antimicrobial agent. *Journal of Materials Science*, **2012**, 47, 5806-5814	4.3	2
10	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. *Journal of Organic Chemistry*, **2021**, 86, 6390-6405	4.2	2
9	Saponin contents in the starfish Echinaster sepositus: Chemical characterization, qualitative and quantitative distribution. *Biochemical Systematics and Ecology*, **2021**, 96, 104262	1.4	2
8	In vitro and in vivo immunomodulatory properties of octyl-D-galactofuranoside during Leishmania donovani infection. *Parasites and Vectors*, **2019**, 12, 600	4	2
7	Synthesis and biological properties of galactofuranosyl-containing fluorescent dyes. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 152-155	2.9	1
6	6-Deoxy-6-fluoro galactofuranosides: regioselective glycosylation, unexpected reactivity, and anti-leishmanial activity. *Organic and Biomolecular Chemistry*, **2020**, 18, 1462-1475	3.9	1
5	Impact of glycosylation on physicochemical and biological properties of nitrification inhibitors. *Tetrahedron*, **2012**, 68, 7095-7102	2.4	1
4	(1-)-Glucan-mannitol conjugates: scope and amazing results. *Annals of Translational Medicine*, **2014**, 2, 12	3.2	1
3	Benzyl 4,6-di-O-acetyl-2-O-benzoyl-D-glucopyranoside. *Acta Crystallographica Section E: Structure Reports Online*, **2007**, 63, o2286-o2288		
2	4-Nitro-phenyl -rhamnopyran-oside hemihydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2008**, 64, o379		
1	Protecting Group Strategies Toward Glycofuranoses **2019**, 337-370		