

Bas R Leeflang

List of Publications by Year in descending order

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41
papers

1,833
citations

257450

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276875

41
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43
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docs citations

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1830
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygenated Metabolites of Anandamide and 2-Arachidonoylglycerol: Conformational Analysis and Interaction with Cannabinoid Receptors, Membrane Transporter, and Fatty Acid Amide Hydrolase. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 3709-3720.	6.4	136
2	Structural characterisation of the exopolysaccharide produced by <i>Lactobacillus delbrückii</i> subspecies <i>bulgaricus</i> rr grown in skimmed milk. <i>Carbohydrate Research</i> , 1993, 239, 209-226.	2.3	128
3	EUROCarbDB: An open-access platform for glycoinformatics. <i>Glycobiology</i> , 2011, 21, 493-502.	2.5	116
4	A ¹ H-NMR and MD study of intramolecular hydrogen bonds in methyl β ² -cellobioside. <i>Carbohydrate Research</i> , 1992, 230, 41-61.	2.3	102
5	Characterisation by ¹ H-n.m.r. spectroscopy of oligosaccharides, derived from arabinoxylans of white latex or ¹ H ⁺ . <i>Carbohydrate Research</i> , 1991, 221, 63-81.	2.3	101
6	Development of a ¹ H NMR structural-reporter-group concept for the primary structural characterisation of β ¹ -d-glucans. <i>Carbohydrate Research</i> , 2008, 343, 1114-1119.	2.3	100
7	Curcacycline A - a novel cyclic octapeptide isolated from the latex of <i>Jatropha curcas</i> L. <i>FEBS Letters</i> , 1995, 358, 215-218.	2.8	98
8	The <i>Giardia intestinalis</i> filamentous cyst wall contains a novel β ¹ (1-3)-N-acetyl-D-galactosamine polymer: a structural and conformational study. <i>Glycobiology</i> , 2002, 12, 499-505.	2.5	95
9	Structure of the exopolysaccharide produced by <i>Lactococcus lactis</i> subspecies <i>cremoris</i> H414 grown in a defined medium or skimmed milk. <i>Carbohydrate Research</i> , 1992, 231, 273-291.	2.3	87
10	NMR Studies of the Free α Subunit of Human Chorionic Gonadotropin. Structural Influences of N-Glycosylation and the β Subunit on the Conformation of the α Subunit. <i>FEBS Journal</i> , 1996, 241, 229-242.	0.2	75
11	CROSREL: Full relaxation matrix analysis for NOESY and ROESY NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 1992, 2, 495-518.	2.8	71
12	Conformational studies on the N-linked carbohydrate chain of bromelain. <i>FEBS Journal</i> , 1990, 190, 113-122.	0.2	58
13	Mobilities of the Inner Three Core Residues and the Man ₆ Branch of the Glycan at Asn78 of the β ¹ -Subunit of Human Chorionic Gonadotropin Are Restricted by the Protein. <i>Biochemistry</i> , 1998, 37, 1933-1940.	2.5	51
14	Conformational analysis of methyl β ² -cellobioside by ROESY NMR spectroscopy and MD simulations in combination with the CROSREL method. <i>Carbohydrate Research</i> , 1993, 245, 21-42.	2.3	50
15	Conformational analysis of the α-L-arabinofuranosides present in wheat arabinoxylans from proton-proton coupling constants. <i>Journal of the American Chemical Society</i> , 1992, 114, 3710-3714.	13.7	40
16	Conformational Studies on Five Octasaccharides Isolated from Chondroitin Sulfate Using NMR Spectroscopy and Molecular Modeling. <i>Biochemistry</i> , 2007, 46, 1167-1175.	2.5	38
17	Cyclogossine A: A Novel Cyclic Heptapeptide Isolated from the Latex of <i>Jatropha gossypifolia</i> . <i>Planta Medica</i> , 1996, 62, 46-50.	1.3	36
18	Podacycline A and B, two cyclic peptides in the latex of <i>Jatropha podagrica</i> . <i>Phytochemistry</i> , 1996, 42, 129-133.	2.9	35

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19	Application of 2D and 3D NMR experiments to the conformational study of a diantennary oligosaccharide. <i>Journal of Biomolecular NMR</i> , 1992, 2, 211-226.	2.8	34
20	Characterization of the N-linked oligosaccharides from human chorionic gonadotropin expressed in the methylotrophic yeast <i>Pichia pastoris</i> . <i>Glycoconjugate Journal</i> , 2006, 24, 33-47.	2.7	33
21	The crystal and molecular structure of an intensely sweet chlorodeoxysucrose; 4,1,6-trichloro-4,6-trideoxy-galacto-sucrose. <i>Carbohydrate Research</i> , 1988, 180, 175-182.	2.3	30
22	High-level expression of biologically active glycoprotein hormones in <i>Pichia pastoris</i> strains—selection of strain GS115, and not X-33, for the production of biologically active N-glycosylated ¹⁵ N-labeled phCG. <i>Glycoconjugate Journal</i> , 2008, 25, 245-257.	2.7	28
23	Intramolecular versus intermolecular hydrogen bonding in solution. <i>Journal of Molecular Structure</i> , 1994, 322, 27-31.	3.6	27
24	A Force Field for Phosphoric Acid: A Comparison of Simulated with Experimental Data in the Solid and Liquid State. <i>Journal of Physical Chemistry A</i> , 2000, 104, 7333-7338.	2.5	27
25	Structure elucidation of glycoprotein glycans and of polysaccharides by NMR spectroscopy. <i>Journal of Biotechnology</i> , 2000, 77, 115-122.	3.8	26
26	The European Lipidomics Initiative: Enabling Technologies. <i>Methods in Enzymology</i> , 2007, 432, 213-232.	1.0	25
27	NMR spectroscopy of nystose. <i>Carbohydrate Research</i> , 1993, 243, 379-384.	2.3	20
28	N-glycans of recombinant human acid α -glucosidase expressed in the milk of transgenic rabbits. <i>Glycobiology</i> , 2007, 17, 600-619.	2.5	20
29	Ion trap multiple-stage tandem mass spectrometry as a pre-NMR tool in the structure elucidation of saponins. <i>Phytochemical Analysis</i> , 2000, 11, 190-198.	2.4	18
30	The Structural Basis of the Difference in Sensitivity for PNGase F in the De-N-glycosylation of the Native Bovine Pancreatic Ribonucleases B and BS. <i>Biochemistry</i> , 2008, 47, 3435-3446.	2.5	18
31	C-Mannosylation Enhances the Structural Stability of Human RNase 2. <i>IScience</i> , 2020, 23, 101371.	4.1	17
32	MD Calculations on Nystose Combined with NMR Spectroscopy on Inulin Related Oligosaccharides. <i>Journal of Carbohydrate Chemistry</i> , 1993, 12, 969-979.	1.1	16
33	Insights into the Dynamics and Molecular Recognition Features of Glycopeptides by Protein Receptors: The 3D Solution Structure of Hevein Bound to the Trisaccharide Core of N-Glycoproteins. <i>Chemistry - A European Journal</i> , 2010, 16, 10715-10726.	3.3	16
34	NMR in the SPINE Structural Proteomics project. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006, 62, 1150-1161.	2.5	12
35	¹ H-N.m.r. spectroscopy of O-carboxymethyl derivatives of d-glucose. <i>Carbohydrate Research</i> , 1992, 228, 433-437.	2.3	10
36	Conformational aspects of malic acid: A multidisciplinary approach. <i>Journal of Molecular Structure</i> , 1988, 189, 65-80.	3.6	8

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37	ROESY studies and HSEA calculations on xylose-containing oligosaccharides related to N-glycoproteins. Carbohydrate Research, 1990, 208, 117-126.	2.3	8
38	Conformational analysis in aqueous solution and estimation of the persistence length of exopolysaccharides produced by Lactobacillus helveticus Lh59 and Streptococcus macedonicus Sc136. Canadian Journal of Chemistry, 2006, 84, 730-742.	1.1	7
39	Conformational analysis of the Sd(a) determinant-containing tetrasaccharide and two mimics in aqueous solution by using ¹ H NMR ROESY spectroscopy in combination with MD simulations. Journal of Biomolecular NMR, 2000, 16, 59-77.	2.8	6
40	Oligosaccharides and Cellulose Crystal Surfaces: Computer Simulations. ACS Symposium Series, 2006, , 133-155.	0.5	5
41	Relayed NOE experiments for discrimination of exchange effects of overlapping labile protons. Journal of Magnetic Resonance, 1990, 89, 615-619.	0.5	3