Francisco Javier CaÃ±ada

List of Publications by Year
in descending order

220	9,353	41323	54882
papers	citations	49 h-index	84 g-index

231	231	231	8980
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Fungal Versatile GH10 Endoxylanase and Its Glycosynthase Variant: Synthesis of Xylooligosaccharides and Glycosides of Bioactive Phenolic Compounds. International Journal of Molecular Sciences, 2022, 23, 1383.	1.8	3
2	Targeting the CRD Fâ€face of Human Galectinâ€3 and Allosterically Modulating Glycan Binding by Angiostatic PTX008 and a Structurally Optimized Derivative. ChemMedChem, 2021, 16, 713-723.	1.6	8
3	Synthesis and Evaluation of Novel Iminosugars Prepared from Natural Amino Acids. Molecules, 2021, 26, 394.	1.7	1
4	Structural basis for recognition of bacterial cell wall teichoic acid by pseudo-symmetric SH3b-like repeats of a viral peptidoglycan hydrolase. Chemical Science, 2021, 12, 576-589.	3.7	11
5	Crystal Structure of the Carbohydrate Recognition Domain of the Human Macrophage Galactose C-Type Lectin Bound to GalNAc and the Tumor-Associated Tn Antigen. Biochemistry, 2021, 60, 1327-1336.	1.2	20
6	Galectin-4 N-Terminal Domain: Binding Preferences Toward A and B Antigens With Different Peripheral Core Presentations. Frontiers in Chemistry, 2021, 9, 664097.	1.8	6
7	Molecular bases for the association of FHR-1 with atypical hemolytic uremic syndrome and other diseases. Blood, 2021, 137, 3484-3494.	0.6	17
8	Conformational and Structural characterization of carbohydrates and their interactions studied by NMR. Current Medicinal Chemistry, 2021, 28, .	1.2	2
9	Thioglycoligase derived from fungal GH3 Î²-xylosidase is a multi-glycoligase with broad acceptor tolerance. Nature Communications, 2020, 11, 4864.	5.8	21
10	Fluorinated Carbohydrates as Lectin Ligands: Simultaneous Screening of a Monosaccharide Library and Chemical Mapping by ¹⁹F NMR Spectroscopy. Journal of Organic Chemistry, 2020, 85, 16072-16081.	1.7	24
11	Amino Acid-Based Synthesis and Glycosidase Inhibition of Cyclopropane-Containing Iminosugars. ACS Omega, 2020, 5, 31821-31830.	1.6	4
12	The Interaction of Fluorinated Glycomimetics with DC-SIGN: Multiple Binding Modes Disentangled by the Combination of NMR Methods and MD Simulations. Pharmaceuticals, 2020, 13, 179.	1.7	12
13	Molecular Recognition in Câ€Type Lectins: The Cases of DCâ€SIGN, Langerin, MGL, and Lâ€Sectin. ChemBioChem, 2020, 21, 2999-3025.	1.3	49
14	A glucotolerant Î²-glucosidase from the fungus Talaromyces amestolkiae and its conversion into a glycosynthase for glycosylation of phenolic compounds. Microbial Cell Factories, 2020, 19, 127.	1.9	25
15	Amoxicillin Inactivation by Thiol-Catalyzed Cyclization Reduces Protein Haptenation and Antibacterial Potency. Frontiers in Pharmacology, 2020, 11, 189.	1.6	13
16	Dissecting the Essential Role of Anomeric Î²-Triflates in Glycosylation Reactions. Journal of the American Chemical Society, 2020, 142, 12501-12514.	6.6	52
17	A top-down chemo-enzymatic approach towards N-acetylglucosamine-N-acetylmuramic oligosaccharides: Chitosan as a reliable template. Carbohydrate Polymers, 2019, 224, 115133.	5.1	7
18	Unraveling Sugar Binding Modes to DC-SIGN by Employing Fluorinated Carbohydrates. Molecules, 2019, 24, 2337.	1.7	34

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19	Molecular Insights into DC-SIGN Binding to Self-Antigens: The Interaction with the Blood Group A/B Antigens. ACS Chemical Biology, 2019, 14, 1660-1671.	1.6	37
20	Exploiting xylan as sugar donor for the synthesis of an antiproliferative xyloside using an enzyme cascade. Microbial Cell Factories, 2019, 18, 174.	1.9	7
21	Peptidoglycan Recognition by Wheat Germ Agglutinin. A View by NMR. Natural Product Communications, 2019, 14, 1934578X1984924.	0.2	6
22	Complete oxidation of hydroxymethylfurfural to furandicarboxylic acid by aryl-alcohol oxidase. Biotechnology for Biofuels, 2019, 12, 217.	6.2	50
23	Glycosylated Cellâ€Penetrating Peptides (GCPPs). ChemBioChem, 2019, 20, 1400-1409.	1.3	19
24	Insights into real-time chemical processes in a calcium sensor protein-directed dynamic library. Nature Communications, 2019, 10, 2798.	5.8	16
25	Transglycosylation products generated by Talaromyces amestolkiae GH3 Î²-glucosidases: effect of hydroxytyrosol, vanillin and its glucosides on breast cancer cells. Microbial Cell Factories, 2019, 18, 97.	1.9	28
26	Minimizing the Entropy Penalty for Ligand Binding: Lessons from the Molecular Recognition of the Histo Bloodâ€Group Antigens by Human Galectinâ€3. Angewandte Chemie, 2019, 131, 7346-7350.	1.6	12
27	A Novel Redox-Sensing Histidine Kinase That Controls Carbon Catabolite Repression in Azoarcus sp. CIB. MBio, 2019, 10, .	1.8	4
28	Minimizing the Entropy Penalty for Ligand Binding: Lessons from the Molecular Recognition of the Histo Bloodâ€Group Antigens by Human Galectinâ€3. Angewandte Chemie - International Edition, 2019, 58, 7268-7272.	7.2	56
29	Increase of Redox Potential during the Evolution of Enzymes Degrading Recalcitrant Lignin. Chemistry - A European Journal, 2019, 25, 2708-2712.	1.7	16
30	Chameleon-like behavior of indolylpiperidines in complex with cholinesterases targets: Potent butyrylcholinesterase inhibitors. European Journal of Medicinal Chemistry, 2018, 145, 431-444.	2.6	18
31	Differential recognition of Haemophilus influenzae whole bacterial cells and isolated lipooligosaccharides by galactose-specific lectins. Scientific Reports, 2018, 8, 16292.	1.6	10
32	Avenues to Characterize the Interactions of Extended Nâ€Glycans with Proteins by NMR Spectroscopy: The Influenza Hemagglutinin Case. Angewandte Chemie, 2018, 130, 15271-15275.	1.6	10
33	Avenues to Characterize the Interactions of Extended Nâ€Glycans with Proteins by NMR Spectroscopy: The Influenza Hemagglutinin Case. Angewandte Chemie - International Edition, 2018, 57, 15051-15055.	7.2	23
34	Deciphering the Inhibition of the Neuronal Calcium Sensor 1 and the Guanine Exchange Factor Ric8a with a Small Phenothiazine Molecule for the Rational Generation of Therapeutic Synapse Function Regulators. Journal of Medicinal Chemistry, 2018, 61, 5910-5921.	2.9	10
35	Structure and N-acetylglucosamine binding of the distal domain of mouse adenovirus 2 fibre. Journal of General Virology, 2018, 99, 1494-1508.	1.3	8
36	Fluoroacetamide Moieties as NMR Spectroscopy Probes for the Molecular Recognition of GlcNAcâ€Containing Sugars: Modulation of the CHâ€“Ï€ Stacking Interactions by Different Fluorination Patterns. Chemistry - A European Journal, 2017, 23, 3957-3965.	1.7	33

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37	NMR and Molecular Recognition of N-Glycans: Remote Modifications of the Saccharide Chain Modulate Binding Features. ACS Chemical Biology, 2017, 12, 1104-1112.	1.6	35
38	Breaking the Limits in Analyzing Carbohydrate Recognition by NMR Spectroscopy: Resolving Branchâ€Selective Interaction of a Tetraâ€Antennary Nâ€Glycan with Lectins. Angewandte Chemie - International Edition, 2017, 56, 14987-14991.	7.2	47
39	Breaking the Limits in Analyzing Carbohydrate Recognition by NMR Spectroscopy: Resolving Branchâ€Selective Interaction of a Tetraâ€Antennary Nâ€Glycan with Lectins. Angewandte Chemie, 2017, 129, 15183-15187.	1.6	8
40	Mite allergoids coupled to nonoxidized mannan from Saccharomyces cerevisae efficiently target canine dendritic cells for novel allergy immunotherapy in veterinary medicine. Veterinary Immunology and Immunopathology, 2017, 190, 65-72.	0.5	15
41	From dual binding site acetylcholinesterase inhibitors to allosteric modulators: A new avenue for disease-modifying drugs in Alzheimer's disease. European Journal of Medicinal Chemistry, 2017, 139, 773-791.	2.6	46
42	Drawbacks of Dialysis Procedures for Removal of EDTA. PLoS ONE, 2017, 12, e0169843.	1.1	25
43	Enzymatic fine-tuning for 2-(6-hydroxynaphthyl) Î²-d-xylopyranoside synthesis catalyzed by the recombinant Î²-xylosidase BxTW1 from Talaromyces amestolkiae. Microbial Cell Factories, 2016, 15, 171.	1.9	13
44	Chemometric Analysis of Bacterial Peptidoglycan Reveals Atypical Modifications That Empower the Cell Wall against Predatory Enzymes and Fly Innate Immunity. Journal of the American Chemical Society, 2016, 138, 9193-9204.	6.6	56
45	The Y9P Variant of the Titin I27 Module: Structural Determinants of Its Revisited Nanomechanics. Structure, 2016, 24, 606-616.	1.6	10
46	Novel vaccines targeting dendritic cells by coupling allergoids to nonoxidized mannan enhance allergen uptake and induce functional regulatory TÂcells through programmed death ligand 1. Journal of Allergy and Clinical Immunology, 2016, 138, 558-567.e11.	1.5	91
47	Finding the Right Candidate for the Right Position: A Fast NMR-Assisted Combinatorial Method for Optimizing Nucleic Acids Binders. Journal of the American Chemical Society, 2016, 138, 6463-6474.	6.6	5
48	Structural and Biochemical Characterization of the Interaction of Tubulin with Potent Natural Analogues of Podophyllotoxin. Journal of Natural Products, 2016, 79, 2113-2121.	1.5	26
49	Diastereomeric Glycosyl Sulfoxides Display Different Recognition Features versus E. coli Î²â€Galactosidase. European Journal of Organic Chemistry, 2016, 2016, 5117-5122.	1.2	9
50	Detailed Investigation of the Immunodominant Role of Oâ€Antigen Stoichiometric Oâ€Acetylation as Revealed by Chemical Synthesis, Immunochemistry, Solution Conformation and STDâ€NMR Spectroscopy for Shigella flexneriâ€…3a. Chemistry - A European Journal, 2016, 22, 10892-10911.	1.7	26
51	Intra- and intermolecular interactions of human galectin-3: assessment by full-assignment-based NMR. Glycobiology, 2016, 26, 888-903.	1.3	66
52	Structural studies of novel glycoconjugates from polymerized allergens (allergoids) and mannans as allergy vaccines. Glycoconjugate Journal, 2016, 33, 93-101.	1.4	21
53	A Murine Monoclonal Antibody to Glycogen: Characterization of Epitopeâ€Fine Specificity by Saturation Transfer Difference (STD) NMR Spectroscopy and Its Use in Mycobacterial Capsular Î±â€Glucan Research. ChemBioChem, 2015, 16, 977-989.	1.3	9
54	Structural Insights into the Binding of Sugar Receptors (Lectins) to a Synthetic Tricyclic Tn Mimetic and Its Glycopeptide Version. European Journal of Organic Chemistry, 2015, 2015, 6823-6831.	1.2	9

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55	<scp>D</scp>â€•and <scp>L</scp>â€Mannoseâ€Containing glycoâ€ÂOligoamides Show Distinct Recognition Properties When Interacting with DNA. European Journal of Organic Chemistry, 2015, 2015, 6180-6193.	1.2	9
56	Monitoring Glycanâ€“Protein Interactions by NMR Spectroscopic Analysis: A Simple Chemical Tag That Mimics Natural CHâ€“Ï€ Interactions. Chemistry - A European Journal, 2015, 21, 11408-11416.	1.7	17
57	Glycans in Medicinal Chemistry: An Underexploited Resource. ChemMedChem, 2015, 10, 1291-1295.	1.6	19
58	Recent Developments in Synthetic Carbohydrateâ€Based Diagnostics, Vaccines, and Therapeutics. Chemistry - A European Journal, 2015, 21, 10616-10628.	1.7	92
59	Conformational Plasticity in Glycomimetics: Fluorocarbamethylâ€<scp>L</scp>â€idopyranosides Mimic the Intrinsic Dynamic Behaviour of Natural Idose Rings. Chemistry - A European Journal, 2015, 21, 10513-10521.	1.7	16
60	Fluorinated Carbohydrates as Lectin Ligands: 19F-Based Direct STD Monitoring for Detection of Anomeric Selectivity. Biomolecules, 2015, 5, 3177-3192.	1.8	28
61	Structure and Sialyllactose Binding of the Carboxy-Terminal Head Domain of the Fibre from a Siadenovirus, Turkey Adenovirus 3. PLoS ONE, 2015, 10, e0139339.	1.1	25
62	Advanced NMR Techniques: Defining Carbohydrate Structures and Ligandâ€“Receptor Interactions. , 2015, , 121-146.		0
63	Vimentin filament organization and stress sensing depend on its single cysteine residue and zinc binding. Nature Communications, 2015, 6, 7287.	5.8	111
64	Beyond a Fluorescent Probe: Inhibition of Cell Division Protein FtsZ by mant-GTP Elucidated by NMR and Biochemical Approaches. ACS Chemical Biology, 2015, 10, 2382-2392.	1.6	9
65	The Quest for Anticancer Vaccines: Deciphering the Fine-Epitope Specificity of Cancer-Related Monoclonal Antibodies by Combining Microarray Screening and Saturation Transfer Difference NMR. Journal of the American Chemical Society, 2015, 137, 12438-12441.	6.6	35
66	1H, 13C, and 15N backbone and side-chain chemical shift assignments for the 36 proline-containing, full length 29ÂkDa human chimera-type galectin-3. Biomolecular NMR Assignments, 2015, 9, 59-63.	0.4	20
67	Solution Conformation of Carbohydrates: A View by Using NMR Assisted by Modeling. Methods in Molecular Biology, 2015, 1273, 261-287.	0.4	7
68	Structure and Function of Prokaryotic UDP-Glucose Pyrophosphorylase, A Drug Target Candidate. Current Medicinal Chemistry, 2015, 22, 1687-1697.	1.2	34
69	Delineating Binding Modes of Gal/GalNAc and Structural Elements of the Molecular Recognition of Tumorâ€Associated Mucin Glycopeptides by the Human Macrophage Galactoseâ€Type Lectin. Chemistry - A European Journal, 2014, 20, 16147-16155.	1.7	46
70	Peptides derived from human galectin-3 N-terminal tail interact with its carbohydrate recognition domain in a phosphorylation-dependent manner. Biochemical and Biophysical Research Communications, 2014, 443, 126-131.	1.0	24
71	Synthesis and conformational analysis of phosphorylated Î²-(1â†'2) linked mannosides. Carbohydrate Research, 2014, 383, 58-68.	1.1	13
72	Immobilization of thermostable Î²-galactosidase on epoxy support and its use for lactose hydrolysis and galactooligosaccharides biosynthesis. World Journal of Microbiology and Biotechnology, 2014, 30, 989-998.	1.7	36

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73	Systematic Dissection of an Aminopyrrolic Cage Receptor for Î²â€Glucopyranosides Reveals the Essentials for Effective Recognition. Chemistry - A European Journal, 2014, 20, 6081-6091.	1.7	38
74	Lanthanide-Chelating Carbohydrate Conjugates Are Useful Tools To Characterize Carbohydrate Conformation in Solution and Sensitive Sensors to Detect Carbohydrateâ€“Protein Interactions. Journal of the American Chemical Society, 2014, 136, 8011-8017.	6.6	51
75	NMR and molecular recognition. The application of ligand-based NMR methods to monitor molecular interactions. MedChemComm, 2014, 5, 1280-1289.	3.5	43
76	Tetrafluorination of Sugars as Strategy for Enhancing Proteinâ€“Carbohydrate Affinity: Application to UDPâ€Galp Mutase Inhibition. Chemistry - A European Journal, 2014, 20, 106-112.	1.7	64
77	Study of Protein Haptenation by Amoxicillin Through the Use of a Biotinylated Antibiotic. PLoS ONE, 2014, 9, e90891.	1.1	40
78	Carbohydrateâ€“Aromatic Interactions. Accounts of Chemical Research, 2013, 46, 946-954.	7.6	394
79	Exploring NMR methods as a tool to select suitable fluorescent nucleotide analogues. Organic and Biomolecular Chemistry, 2013, 11, 5332.	1.5	6
80	Heparin Modulates the Mitogenic Activity of Fibroblast Growth Factor by Inducing Dimerization of its Receptor. A 3D View by Using NMR. ChemBioChem, 2013, 14, 1732-1744.	1.3	40
81	Conformational Selection in Glycomimetics: Human Galectinâ€1 Only Recognizes synâ€Î¨â€Type Conformations of Î²â€1,3â€Linked Lactose and Its Câ€Glycosyl Derivative. Chemistry - A European Journal, 2013, 19, 14581-14590.	1.7	19
82	CHAPTER 1. New Applications of Highâ€Resolution NMR in Drug Discovery and Development. New Developments in NMR, 2013, , 7-42.	0.1	2
83	Molecular Recognition of Complex-Type Biantennary N-Glycans by Protein Receptors: a Three-Dimensional View on Epitope Selection by NMR. Journal of the American Chemical Society, 2013, 135, 2667-2675.	6.6	37
84	Escherichia coli Î²â€Galactosidase Inhibitors through Modifications at the Aglyconic Moiety: Experimental Evidence of Conformational Distortion in the Molecular Recognition Process. Chemistry - A European Journal, 2013, 19, 4262-4270.	1.7	20
85	Molecular Recognition of Rosmarinic Acid from Salviaâ€...sclareoides Extracts by Acetylcholinesterase: A New Binding Site Detected by NMR Spectroscopy. Chemistry - A European Journal, 2013, 19, 6641-6649.	1.7	34
86	Interactions of Bacterial Cell Division Protein FtsZ with C8-Substituted Guanine Nucleotide Inhibitors. A Combined NMR, Biochemical and Molecular Modeling Perspective. Journal of the American Chemical Society, 2013, 135, 16418-16428.	6.6	28
87	Lactose binding to human galectin-7 (p53-induced gene 1) induces long-range effects through the protein resulting in increased dimer stability and evidence for positive cooperativity. Glycobiology, 2013, 23, 508-523.	1.3	42
88	Breaking Pseudoâ€Symmetry in Multiantennary Complex Nâ€Glycans Using Lanthanideâ€Binding Tags and NMR Pseudoâ€Contact Shifts. Angewandte Chemie - International Edition, 2013, 52, 13789-13793.	7.2	71
89	Recent advances on the application of NMR methods to study the conformation and recognition properties of carbohydrates. Carbohydrate Chemistry, 2012, , 192-214.	0.3	4
90	Protein-Carbohydrate Interactions Studied by NMR: From Molecular Recognition to Drug Design. Current Protein and Peptide Science, 2012, 13, 816-830.	0.7	107

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91	1H, 13C, and 15N backbone and side-chain chemical shift assignments for the 31ÂkDa human galectin-7 (p53-induced gene 1) homodimer, a pro-apoptotic lectin. Biomolecular NMR Assignments, 2012, 6, 127-129.	0.4	15
92	Î±-N-Linked glycopeptides: conformational analysis and bioactivity as lectin ligands. Organic and Biomolecular Chemistry, 2012, 10, 5916.	1.5	10
93	Conformational analysis of seven-membered 1-N-iminosugars by NMR and molecular modelling. New Journal of Chemistry, 2012, 36, 1008.	1.4	10
94	Fluorinated Carbohydrates as Lectin Ligands: Biorelevant Sensors with Capacity to Monitor Anomer Affinity in ¹⁹Fâ€NMRâ€Based Inhibitor Screening. European Journal of Organic Chemistry, 2012, 2012, 4354-4364.	1.2	20
95	The Interaction of Saccharides with Antibodies. A 3D View by Using NMR. , 2012, , 385-402.		3
96	Symmetric dithiodigalactoside: strategic combination of binding studies and detection of selectivity between a plant toxin and human lectins. Organic and Biomolecular Chemistry, 2011, 9, 5445.	1.5	47
97	Application of NMR methods to the study of the interaction of natural products with biomolecular receptors. Natural Product Reports, 2011, 28, 1118.	5.2	31
98	The interaction of La3+ complexes of DOTA/DTPA glycoconjugates with the RCA120 lectin: a saturation transfer difference NMR spectroscopic study. Journal of Biological Inorganic Chemistry, 2011, 16, 725-734.	1.1	5
99	Towards sugar derivatives as toxin-blocking pharmaceuticals: STD NMR spectroscopy as versatile tool for affinity assessment in drug development. Comptes Rendus Chimie, 2011, 14, 96-101.	0.2	3
100	Chiral Diaminopyrrolic Receptors for Selective Recognition of Mannosides, Part 2: A 3D View of the Recognition Modes by Xâ€ray, NMR Spectroscopy, and Molecular Modeling. Chemistry - A European Journal, 2011, 17, 4821-4829.	1.7	35
101	New Cathepsin Inhibitors to Explore the Fluorophilic Properties of the S² Pocket of Cathepsin B: Design, Synthesis, and Biological Evaluation. Chemistry - A European Journal, 2011, 17, 5256-5260.	1.7	13
102	Carbohydrateâ€“Protein Interactions: A 3D View by NMR. ChemBioChem, 2011, 12, 990-1005.	1.3	76
103	Structural aspects of binding of Î±-linked digalactosides to human galectin-1. Glycobiology, 2011, 21, 1627-1641.	1.3	43
104	NMR and molecular modeling reveal key structural features of synthetic nodulation factors. Glycobiology, 2011, 21, 824-833.	1.3	10
105	Synthesis, Conformational Analysis, and Evaluation as Glycosidase Inhibitors of Two Ether-Bridged Iminosugars. Journal of Carbohydrate Chemistry, 2011, 30, 641-654.	0.4	14
106	Effect of a serine-to-aspartate replacement on the recognition of chitin oligosaccharides by truncated hevein. A 3D view by using NMR. Carbohydrate Research, 2010, 345, 1461-1468.	1.1	22
107	Lectinâ€Based Drug Design: Combined Strategy to Identify Lead Compounds using STD NMR Spectroscopy, Solidâ€Phase Assays and Cell Binding for a Plant Toxin Model. ChemMedChem, 2010, 5, 415-419.	1.6	30
108	Selective Recognition of Î²â€Mannosides by Synthetic Tripodal Receptors: A 3D View of the Recognition Mode by NMR. European Journal of Organic Chemistry, 2010, 2010, 64-71.	1.2	23

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109	A Chiral Pyrrolic Tripodal Receptor Enantioselectively Recognizes Î²â€Mannose and Î²â€Mannosides. Chemistry - A European Journal, 2010, 16, 414-418.	1.7	50
110	Mimicking Chitin: Chemical Synthesis, Conformational Analysis, and Molecular Recognition of the Î²(1â†'3) Nâ€Acetylchitopentaose Analogue. Chemistry - A European Journal, 2010, 16, 4239-4249.	1.7	7
111	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 Nâ€Glycoproteins. Chemistry - A European Journal, 2010, 16, 10715-10726.	1.7	16
112	Diffusion nuclear magnetic resonance spectroscopy detects substoichiometric concentrations of small molecules in protein samples. Analytical Biochemistry, 2010, 396, 117-123.	1.1	8
113	Insights on the conformational properties of hyaluronic acid by using NMR residual dipolar couplings and MD simulations. Glycobiology, 2010, 20, 1208-1216.	1.3	25
114	N-domain of human adhesion/growth-regulatory galectin-9: Preference for distinct conformers and non-sialylated N-glycans and detection of ligand-induced structural changes in crystal and solution. International Journal of Biochemistry and Cell Biology, 2010, 42, 1019-1029.	1.2	47
115	Characterization of caged compounds binding to proteins by NMR spectroscopy. Biochemical and Biophysical Research Communications, 2010, 400, 447-451.	1.0	2
116	Binding of Î²-<scp>d</scp>-Glucosides and Î²-<scp>d</scp>-Mannosides by Rice and Barley Î²-<scp>d</scp>-Glycosidases with Distinct Substrate Specificities. Biochemistry, 2010, 49, 8779-8793.	1.2	15
117	Fluorinated Carbohydrates as Lectin Ligands: Versatile Sensors in ¹⁹Fâ€Detected Saturation Transfer Difference NMR Spectroscopy. Chemistry - A European Journal, 2009, 15, 5666-5668.	1.7	60
118	Î±â€Oâ€Linked Glycopeptide Mimetics: Synthesis, Conformation Analysis, and Interactions with Viscumin, a Galactoseâ€Binding Model Lectin. Chemistry - A European Journal, 2009, 15, 10423-10431.	1.7	39
119	Assessing Carbohydrateâ€“Carbohydrate Interactions by NMR Spectroscopy: The Trisaccharide Epitope from the Marine Sponge Microciona prolifera. ChemBioChem, 2009, 10, 511-519.	1.3	32
120	Modulating glycosidase degradation and lectin recognition of gold glyconanoparticles. Carbohydrate Research, 2009, 344, 1474-1478.	1.1	36
121	Glycan Tagging to Produce Bioactive Ligands for a Surface Plasmon Resonance (SPR) Study via Immobilization on Different Surfaces. Bioconjugate Chemistry, 2009, 20, 673-682.	1.8	9
122	Conformational Analysis of a Dermatan Sulfateâ€Derived Tetrasaccharide by NMR, Molecular Modeling, and Residual Dipolar Couplings. ChemBioChem, 2008, 9, 240-252.	1.3	34
123	Aromaticâ€“Carbohydrate Interactions: An NMR and Computational Study of Model Systems. Chemistry - A European Journal, 2008, 14, 7570-7578.	1.7	75
124	Competitive Inhibitors of Helicobacter pylori Typeâ€…II Dehydroquinase: Synthesis, Biological Evaluation, and NMR Studies. ChemMedChem, 2008, 3, 756-770.	1.6	30
125	Solution Conformation and Dynamics of the Oâ€Antigen of the Major Lipopolysaccharide from Sinorhizobium fredii SMH12. European Journal of Organic Chemistry, 2008, 2008, 3469-3473.	1.2	3
126	A Combined NMR, Computational, and HPLC Study of the Inclusion of Aromatic and Fluoroaromatic Compounds in Cyclodextrins as a Model for Studying Carbohydrateâ€“Aromatic Interactions. European Journal of Organic Chemistry, 2008, 2008, 5891-5898.	1.2	14

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127	â€œClickâ€•Saccharide/Î²-Lactam Hybrids for Lectin Inhibition. Organic Letters, 2008, 10, 2227-2230.	2.4	38
128	On the role of aromatic-sugar interactions in the molecular recognition of carbohydrates: A 3D view by using NMR. Pure and Applied Chemistry, 2008, 80, 1827-1835.	0.9	26
129	Crystal Structures of Paenibacillus polymyxa Î²-Glucosidase B Complexes Reveal the Molecular Basis of Substrate Specificity and Give New Insights into the Catalytic Machinery of Family I Glycosidases. Journal of Molecular Biology, 2007, 371, 1204-1218.	2.0	106
130	NMR studies on the conformation of oligomannosides and their interaction with banana lectin. Glycoconjugate Journal, 2007, 24, 449-464.	1.4	15
131	Modification and Activation of Ras Proteins by Electrophilic Prostanoids with Different Structure are Site-Selective. Biochemistry, 2007, 46, 6607-6616.	1.2	62
132	NMR Investigations of Lectinâ€”Carbohydrate Interactions. , 2007, , 51-73.		1
133	NMR Investigation of the Bound Conformation of Natural and Synthetic Oligomannosides to Banana Lectin. European Journal of Organic Chemistry, 2007, 2007, 1577-1585.	1.2	3
134	Temperature dependence of ligandâ€“protein complex formation as reflected by saturation transfer difference NMR experiments. Magnetic Resonance in Chemistry, 2007, 45, 745-748.	1.1	27
135	Optimizing the enzymatic synthesis of Î²-d-galactopyranosyl-d-xyloses for their use in the evaluation of lactase activity in vivo. Bioorganic and Medicinal Chemistry, 2007, 15, 4836-4840.	1.4	15
136	The solution conformation of C-glycosyl analogues of the sialyl-Tn antigen. Carbohydrate Research, 2007, 342, 1974-1982.	1.1	4
137	Synthesis and conformational behavior of the difluoromethylene linked C-glycoside analog of Î²-galactopyranosyl-(1â†”1)-Î±-mannopyranoside. Carbohydrate Research, 2007, 342, 1624-1635.	1.1	26
138	Modification of Proteins by Cyclopentenone Prostaglandins is Differentially Modulated by GSH in Vitro. Annals of the New York Academy of Sciences, 2007, 1096, 78-85.	1.8	21
139	Synthesis of a bicyclic analog of l-iduronic acid adopting the biologically relevant 2 S 0 conformation. Carbohydrate Research, 2007, 342, 1876-1887.	1.1	9
140	The conformation of the C-glycosyl analogue of N-acetyl-lactosamine in the free state and bound to a toxic plant agglutinin and human adhesion/growth-regulatory galectin-1. Carbohydrate Research, 2007, 342, 1918-1928.	1.1	23
141	The conformational behaviour of the C-glycosyl analogue of sulfatide studied by NMR in SDS micelles. Carbohydrate Research, 2007, 342, 1966-1973.	1.1	3
142	Conformational insights on the molecular recognition processes of carbohydrate molecules by proteins and enzymes: A 3D view by using NMR. Biocatalysis and Biotransformation, 2006, 24, 13-22.	1.1	9
143	Interaction between a Minimum Hevein Domain and Chitooligosaccharides Studied by NMR and a Novel Surface Plasmon Resonance Method. , 2006, , 767-768.		0
144	Protein-Carbohydrate Interactions: A Combined Theoretical and NMR Experimental Approach on Carbohydrate-Aromatic Interactions and on Pyranose Ring Distortion. ACS Symposium Series, 2006, , 60-80.	0.5	7

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