

Francisco Javier Cañada

List of Publications by Year in descending order

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220
papers

9,353
citations

41344

49
h-index

54911

84
g-index

231
all docs

231
docs citations

231
times ranked

8980
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary flavonoid and isoflavone glycosides are hydrolysed by the lactase site of lactase phlorizin hydrolase. <i>FEBS Letters</i> , 2000, 468, 166-170.	2.8	663
2	Carbohydrate- π -Aromatic Interactions. <i>Accounts of Chemical Research</i> , 2013, 46, 946-954.	15.6	394
3	Gold Glyconanoparticles as Water-Soluble Polyvalent Models To Study Carbohydrate Interactions. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2257-2261.	13.8	354
4	15-Deoxy- Δ^2 ,14-prostaglandin J ₂ Inhibition of NF- κ B-DNA Binding through Covalent Modification of the p50 Subunit. <i>Journal of Biological Chemistry</i> , 2001, 276, 35530-35536.	3.4	274
5	Molecular Recognition of Saccharides by Proteins. Insights on the Origin of the Carbohydrate- π -Aromatic Interactions. <i>Journal of the American Chemical Society</i> , 2005, 127, 7379-7386.	13.7	214
6	Methylation and demethylation reactions of guanine nucleotide-binding proteins of retinal rod outer segments.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 3043-3046.	7.1	208
7	The gamma subunit of transducin is farnesylated.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 7673-7677.	7.1	188
8	Membranes as the energy source in the endergonic transformation of vitamin A to 11-cis-retinol. <i>Science</i> , 1989, 244, 968-971.	12.6	175
9	Structural basis for chitin recognition by defense proteins: GlcNAc residues are bound in a multivalent fashion by extended binding sites in hevein domains. <i>Chemistry and Biology</i> , 2000, 7, 529-543.	6.0	131
10	The cyclopentenone 15-deoxy- Δ^2 ,14-prostaglandin J ₂ binds to and activates H-Ras. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 4772-4777.	7.1	124
11	Molecular Basis for the Direct Inhibition of AP-1 DNA Binding by 15-Deoxy- Δ^2 ,14-prostaglandin J ₂ . <i>Journal of Biological Chemistry</i> , 2003, 278, 51251-51260.	3.4	123
12	Free and protein-bound carbohydrate structures. <i>Current Opinion in Structural Biology</i> , 1999, 9, 549-555.	5.7	119
13	Vimentin filament organization and stress sensing depend on its single cysteine residue and zinc binding. <i>Nature Communications</i> , 2015, 6, 7287.	12.8	111
14	On the Importance of Carbohydrate-Aromatic Interactions for the Molecular Recognition of Oligosaccharides by Proteins: NMR Studies of the Structure and Binding Affinity of AcAMP2-like Peptides with Non-Natural Naphthyl and Fluoroaromatic Residues. <i>Chemistry - A European Journal</i> , 2005, 11, 7060-7074.	3.3	110
15	Protein-Carbohydrate Interactions Studied by NMR: From Molecular Recognition to Drug Design. <i>Current Protein and Peptide Science</i> , 2012, 13, 816-830.	1.4	107
16	Crystal Structures of <i>Paenibacillus polymyxa</i> β -Glucosidase B Complexes Reveal the Molecular Basis of Substrate Specificity and Give New Insights into the Catalytic Machinery of Family I Glycosidases. <i>Journal of Molecular Biology</i> , 2007, 371, 1204-1218.	4.2	106
17	The Interaction of Hevein with N-acetylglucosamine-containing Oligosaccharides. Solution Structure of Hevein Complexed to Chitobiose. <i>FEBS Journal</i> , 1995, 230, 621-633.	0.2	99
18	<i>Escherichia coli</i> β -Galactosidase Recognizes a High-Energy Conformation of C-Lactose, a Nonhydrolyzable Substrate Analogue. NMR and Modeling Studies of the Molecular Complex. <i>Journal of the American Chemical Society</i> , 1998, 120, 1309-1318.	13.7	98

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19	Bovine Heart Galectin-1 Selects a Unique (Syn) Conformation of C-Lactose, a Flexible Lactose Analogue. <i>Journal of the American Chemical Society</i> , 1999, 121, 8995-9000.	13.7	93
20	Recent Developments in Synthetic Carbohydrate-Based Diagnostics, Vaccines, and Therapeutics. <i>Chemistry - A European Journal</i> , 2015, 21, 10616-10628.	3.3	92
21	1D Saturation Transfer Difference NMR Experiments on Living Cells: The DC-SIGN/Oligomannose Interaction. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 296-298.	13.8	91
22	Novel vaccines targeting dendritic cells by coupling allergoids to nonoxidized mannan enhance allergen uptake and induce functional regulatory T cells through programmed death ligand 1. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 558-567.e11.	2.9	91
23	Conformational Selection of Glycomimetics at Enzyme Catalytic Sites: Experimental Demonstration of the Binding of Distinct High-Energy Distorted Conformations of C-, S-, and O-Glycosides by E. Coli β -Galactosidases. <i>Journal of the American Chemical Society</i> , 2002, 124, 4804-4810.	13.7	85
24	Experimental Evidence of Conformational Differences between C-Glycosides and O-Glycosides in Solution and in the Protein-Bound State: The C-Lactose/O-Lactose Case. <i>Journal of the American Chemical Society</i> , 1996, 118, 10862-10871.	13.7	84
25	Conformational Differences Between O- and C-Glycosides: The O-Man-(1 \rightarrow 1)- β -Gal/ \pm -C-Man-(1 \rightarrow 1)- β -Gal Case- A Decisive Demonstration of the Importance of the exo-Anomeric Effect on the Conformation of Glycosides. <i>Chemistry - A European Journal</i> , 2000, 6, 1035-1041.	3.3	83
26	Carbohydrate-Protein Interactions: A 3D View by NMR. <i>ChemBioChem</i> , 2011, 12, 990-1005.	2.6	76
27	Inhibitors of retinyl ester formation also prevent the biosynthesis of 11-cis-retinol. <i>Biochemistry</i> , 1990, 29, 309-312.	2.5	75
28	NMR investigations of protein-carbohydrate interactions: refined three-dimensional structure of the complex between hevein and methyl α -chitobioside. <i>Glycobiology</i> , 1998, 8, 569-577.	2.5	75
29	NMR and Modeling Studies of Protein-Carbohydrate Interactions: Synthesis, Three-Dimensional Structure, and Recognition Properties of a Minimum Hevein Domain with Binding Affinity for Chitooligosaccharides. <i>ChemBioChem</i> , 2004, 5, 1245-1255.	2.6	75
30	Aromatic Carbohydrate Interactions: An NMR and Computational Study of Model Systems. <i>Chemistry - A European Journal</i> , 2008, 14, 7570-7578.	3.3	75
31	Diffusion ordered spectroscopy as a complement to size exclusion chromatography in oligosaccharide analysis. <i>Glycobiology</i> , 2004, 14, 451-456.	2.5	73
32	Breaking Pseudo-Symmetry in Multiantennary Complex N-Glycans Using Lanthanide Binding Tags and NMR Pseudo-Contact Shifts. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13789-13793.	13.8	71
33	Intramolecular Carbohydrate-Aromatic Interactions and Intermolecular van der Waals Interactions Enhance the Molecular Recognition Ability of GM1 Glycomimetics for Cholera Toxin. <i>Chemistry - A European Journal</i> , 2004, 10, 4395-4406.	3.3	69
34	Intra- and intermolecular interactions of human galectin-3: assessment by full-assignment-based NMR. <i>Glycobiology</i> , 2016, 26, 888-903.	2.5	66
35	Generalized Anomeric Effect in Action: Synthesis and Evaluation of Stable Reducing Indolizidine Glycomimetics as Glycosidase Inhibitors. <i>Journal of Organic Chemistry</i> , 2000, 65, 136-143.	3.2	65
36	Tetrafluorination of Sugars as Strategy for Enhancing Protein Carbohydrate Affinity: Application to UDP-Galactose 4-Epimerase Inhibition. <i>Chemistry - A European Journal</i> , 2014, 20, 106-112.	3.3	64

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37	Modification and Activation of Ras Proteins by Electrophilic Prostanoids with Different Structure are Site-Selective. <i>Biochemistry</i> , 2007, 46, 6607-6616.	2.5	62
38	Studies of the Bound Conformations of Methyl alpha-Lactoside and Methyl beta-Allolactoside to Ricin B Chain Using Transferred NOE Experiments in the Laboratory and Rotating Frames, Assisted by Molecular Mechanics and Dynamics Calculations. <i>FEBS Journal</i> , 1995, 233, 618-630.	0.2	60
39	Fluorinated Carbohydrates as Lectin Ligands: Versatile Sensors in ¹⁹ F-Detected Saturation Transfer Difference NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2009, 15, 5666-5668.	3.3	60
40	NMR investigations of protein-carbohydrate interactions: Studies on the relevance of Trp/Tyr variations in lectin binding sites as deduced from titration microcalorimetry and NMR studies on hevein domains. Determination of the NMR structure of the complex between pseudohevein and N,N',N''-triacetylchitotriose. , 2000, 40, 218-236.		59
41	The conformation of C-glycosyl compounds. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2000, 56, 235-284.	0.9	59
42	Conformational Behavior of Aza-C-Glycosides: An Experimental Demonstration of the Relative Role of the exo-anomeric Effect and 1,3-Type Interactions in Controlling the Conformation of Regular Glycosides. <i>Journal of the American Chemical Society</i> , 1999, 121, 11318-11329.	13.7	58
43	Conformational Differences of O- and C-Glycosides in the Protein-Bound State: Different Conformations of C-Lactose and Its O-Analogue are Recognized by Ricin B, a Galactose-Binding Protein. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 303-306.	4.4	56
44	Chemometric Analysis of Bacterial Peptidoglycan Reveals Atypical Modifications That Empower the Cell Wall against Predatory Enzymes and Fly Innate Immunity. <i>Journal of the American Chemical Society</i> , 2016, 138, 9193-9204.	13.7	56
45	Minimizing the Entropy Penalty for Ligand Binding: Lessons from the Molecular Recognition of the Histo Blood Group Antigens by Human Galectin-3. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7268-7272.	13.8	56
46	Hevein Domains: An Attractive Model to Study Carbohydrate-Protein Interactions at Atomic Resolution. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2006, 60, 303-354.	0.9	55
47	The Conformational Behaviour of Non-Hydrolyzable Lactose Analogues: The Thioglycoside, Carboglycoside, and Carba-Iminoglycoside Cases. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 1945-1952.	2.4	52
48	Dissecting the Essential Role of Anomeric ¹² C-Triflates in Glycosylation Reactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 12501-12514.	13.7	52
49	N-Thiocarbonyl azasugars: a new family of carbohydrate mimics with controlled anomeric configuration. <i>Chemical Communications</i> , 1997, , 1969.	4.1	51
50	Lanthanide-Chelating Carbohydrate Conjugates Are Useful Tools To Characterize Carbohydrate Conformation in Solution and Sensitive Sensors to Detect Carbohydrate-Protein Interactions. <i>Journal of the American Chemical Society</i> , 2014, 136, 8011-8017.	13.7	51
51	Substrate specificities and mechanism in the enzymic processing of vitamin A into 11-cis-retinol. <i>Biochemistry</i> , 1990, 29, 9690-9697.	2.5	50
52	A Simple Structural-Based Approach to Prevent Aminoglycoside Inactivation by Bacterial Defense Proteins. Conformational Restriction Provides Effective Protection against Neomycin-B Nucleotidylation by ANT4. <i>Journal of the American Chemical Society</i> , 2005, 127, 8278-8279.	13.7	50
53	A Chiral Pyrrolic Tripodal Receptor Enantioselectively Recognizes ¹² C-Mannose and ¹² C-Mannosides. <i>Chemistry - A European Journal</i> , 2010, 16, 414-418.	3.3	50
54	Complete oxidation of hydroxymethylfurfural to furandicarboxylic acid by aryl-alcohol oxidase. <i>Biotechnology for Biofuels</i> , 2019, 12, 217.	6.2	50

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55	A New Combined Computational and NMR-Spectroscopical Strategy for the Identification of Additional Conformational Constraints of the Bound Ligand in an Aprotic Solvent. <i>ChemBioChem</i> , 2000, 1, 181-195.	2.6	49
56	Molecular Recognition in C ₂ -Type Lectins: The Cases of DC ₆ SIGN, Langerin, MGL, and L ₆ Sectin. <i>ChemBioChem</i> , 2020, 21, 2999-3025.	2.6	49
57	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. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 1019-1029.	2.8	47
58	Symmetric dithiodigalactoside: strategic combination of binding studies and detection of selectivity between a plant toxin and human lectins. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5445.	2.8	47
59	Breaking the Limits in Analyzing Carbohydrate Recognition by NMR Spectroscopy: Resolving Branch ^{ed} Selective Interaction of a Tetra ^{antennary} N-Glycan with Lectins. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14987-14991.	13.8	47
60	NMR investigations of protein-carbohydrate interactions. <i>FEBS Journal</i> , 2000, 267, 3965-3978.	0.2	46
61	Delineating Binding Modes of Gal/GalNAc and Structural Elements of the Molecular Recognition of Tumor ^{associated} Mucin Glycopeptides by the Human Macrophage Galactose ^{type} Lectin. <i>Chemistry - A European Journal</i> , 2014, 20, 16147-16155.	3.3	46
62	From dual binding site acetylcholinesterase inhibitors to allosteric modulators: A new avenue for disease-modifying drugs in Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2017, 139, 773-791.	5.5	46
63	Structural aspects of binding of β -linked digalactosides to human galectin-1. <i>Glycobiology</i> , 2011, 21, 1627-1641.	2.5	43
64	NMR and molecular recognition. The application of ligand-based NMR methods to monitor molecular interactions. <i>MedChemComm</i> , 2014, 5, 1280-1289.	3.4	43
65	Substrate specificity of small-intestinal lactase. Assessment of the role of the substrate hydroxyl groups. <i>FEBS Journal</i> , 1992, 209, 415-422.	0.2	42
66	NMR studies of the conformation of thiocellobiose bound to a β -glucosidase from <i>Streptomyces</i> sp. <i>FEBS Letters</i> , 1998, 421, 243-248.	2.8	42
67	Differential mechanism-based labeling and unequivocal activity assignment of the two active sites of intestinal lactase/phlorizin hydrolase. <i>FEBS Journal</i> , 2000, 267, 6996-7005.	0.2	42
68	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. <i>Glycobiology</i> , 2013, 23, 508-523.	2.5	42
69	Regioselective Acetylations of Alkyl β -D-Xylopyranosides by Use of Lipase PS in Organic Solvents and Application to the Chemoenzymic Synthesis of Oligosaccharides. <i>Journal of Organic Chemistry</i> , 1994, 59, 7027-7032.	3.2	41
70	Heparin Modulates the Mitogenic Activity of Fibroblast Growth Factor by Inducing Dimerization of its Receptor. A 3D View by Using NMR. <i>ChemBioChem</i> , 2013, 14, 1732-1744.	2.6	40
71	Study of Protein Haptenation by Amoxicillin Through the Use of a Biotinylated Antibiotic. <i>PLoS ONE</i> , 2014, 9, e90891.	2.5	40
72	Role of Tetrahydrobiopterin Availability in the Regulation of Nitric-oxide Synthase Expression in Human Mesangial Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 14290-14295.	3.4	39

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73	Linked Glycopeptide Mimetics: Synthesis, Conformation Analysis, and Interactions with Viscumin, a Galactoside-Binding Model Lectin. <i>Chemistry - A European Journal</i> , 2009, 15, 10423-10431.	3.3	39
74	Click-Saccharide ² -Lactam Hybrids for Lectin Inhibition. <i>Organic Letters</i> , 2008, 10, 2227-2230.	4.6	38
75	Systematic Dissection of an Aminopyrrolic Cage Receptor for Glucopyranosides Reveals the Essentials for Effective Recognition. <i>Chemistry - A European Journal</i> , 2014, 20, 6081-6091.	3.3	38
76	Molecular Recognition of Complex-Type Biantennary N-Glycans by Protein Receptors: a Three-Dimensional View on Epitope Selection by NMR. <i>Journal of the American Chemical Society</i> , 2013, 135, 2667-2675.	13.7	37
77	Molecular Insights into DC-SIGN Binding to Self-Antigens: The Interaction with the Blood Group A/B Antigens. <i>ACS Chemical Biology</i> , 2019, 14, 1660-1671.	3.4	37
78	Modulating glycosidase degradation and lectin recognition of gold glyconanoparticles. <i>Carbohydrate Research</i> , 2009, 344, 1474-1478.	2.3	36
79	Immobilization of thermostable β -galactosidase on epoxy support and its use for lactose hydrolysis and galactooligosaccharides biosynthesis. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 989-998.	3.6	36
80	Chiral Diaminopyrrolic Receptors for Selective Recognition of Mannosides, Part 2: A 3D View of the Recognition Modes by X-ray, NMR Spectroscopy, and Molecular Modeling. <i>Chemistry - A European Journal</i> , 2011, 17, 4821-4829.	3.3	35
81	The Quest for Anticancer Vaccines: Deciphering the Fine-Epitope Specificity of Cancer-Related Monoclonal Antibodies by Combining Microarray Screening and Saturation Transfer Difference NMR. <i>Journal of the American Chemical Society</i> , 2015, 137, 12438-12441.	13.7	35
82	NMR and Molecular Recognition of N-Glycans: Remote Modifications of the Saccharide Chain Modulate Binding Features. <i>ACS Chemical Biology</i> , 2017, 12, 1104-1112.	3.4	35
83	Conformational Analysis of a Dermatan Sulfate-Derived Tetrasaccharide by NMR, Molecular Modeling, and Residual Dipolar Couplings. <i>ChemBioChem</i> , 2008, 9, 240-252.	2.6	34
84	Molecular Recognition of Rosmarinic Acid from <i>Salvia sclareoides</i> Extracts by Acetylcholinesterase: A New Binding Site Detected by NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2013, 19, 6641-6649.	3.3	34
85	Unraveling Sugar Binding Modes to DC-SIGN by Employing Fluorinated Carbohydrates. <i>Molecules</i> , 2019, 24, 2337.	3.8	34
86	Structure and Function of Prokaryotic UDP-Glucose Pyrophosphorylase, A Drug Target Candidate. <i>Current Medicinal Chemistry</i> , 2015, 22, 1687-1697.	2.4	34
87	Contribution of Covalent Protein Modification to the Antiinflammatory Effects of Cyclopentenone Prostaglandins. <i>Annals of the New York Academy of Sciences</i> , 2002, 973, 533-536.	3.8	33
88	Fluoroacetamide Moieties as NMR Spectroscopy Probes for the Molecular Recognition of GlcNAc-Containing Sugars: Modulation of the CH ₂ -F Stacking Interactions by Different Fluorination Patterns. <i>Chemistry - A European Journal</i> , 2017, 23, 3957-3965.	3.3	33
89	1D Saturation Transfer Difference NMR Experiments on Living Cells: The DC-SIGN/Oligomannose Interaction. <i>Angewandte Chemie</i> , 2005, 117, 300-302.	2.0	32
90	Assessing Carbohydrate-Carbohydrate Interactions by NMR Spectroscopy: The Trisaccharide Epitope from the Marine Sponge <i>Microciona prolifera</i> . <i>ChemBioChem</i> , 2009, 10, 511-519.	2.6	32

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91	NMR investigations of protein-carbohydrate interactions: insights into the topology of the bound conformation of a lactose isomer and β -galactosyl xyloses to mistletoe lectin and galectin-1. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2001, 1568, 225-236.	2.4	31
92	Second-Generation Mimics of Ganglioside GM1 Oligosaccharide: A Three-Dimensional View of Their Interactions with Bacterial Enterotoxins by NMR and Computational Methods. <i>Chemistry - A European Journal</i> , 2002, 8, 4597-4612.	3.3	31
93	Carbohydrate-Based DNA Ligands: Sugar Oligoamides as a Tool to Study Carbohydrate-Nucleic Acid Interactions. <i>Journal of the American Chemical Society</i> , 2005, 127, 9518-9533.	13.7	31
94	Useful applications of DOSY experiments for the study of mushroom polysaccharides. <i>Carbohydrate Research</i> , 2006, 341, 84-89.	2.3	31
95	Application of NMR methods to the study of the interaction of natural products with biomolecular receptors. <i>Natural Product Reports</i> , 2011, 28, 1118.	10.3	31
96	Competitive Inhibitors of <i>Helicobacter pylori</i> Type II Dehydroquinase: Synthesis, Biological Evaluation, and NMR Studies. <i>ChemMedChem</i> , 2008, 3, 756-770.	3.2	30
97	Lectin-Based Drug Design: Combined Strategy to Identify Lead Compounds using STD NMR Spectroscopy, Solid-Phase Assays and Cell Binding for a Plant Toxin Model. <i>ChemMedChem</i> , 2010, 5, 415-419.	3.2	30
98	Synthesis, Conformational Studies and Mannosidase Stability of a Mimic of 1,2-Mannobioside. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 5119-5225.	2.4	29
99	Interactions of Bacterial Cell Division Protein FtsZ with C8-Substituted Guanine Nucleotide Inhibitors. A Combined NMR, Biochemical and Molecular Modeling Perspective. <i>Journal of the American Chemical Society</i> , 2013, 135, 16418-16428.	13.7	28
100	Fluorinated Carbohydrates as Lectin Ligands: ^{19}F -Based Direct STD Monitoring for Detection of Anomeric Selectivity. <i>Biomolecules</i> , 2015, 5, 3177-3192.	4.0	28
101	Transglycosylation products generated by <i>Talaromyces amestolkiae</i> GH3 β -glucosidases: effect of hydroxytyrosol, vanillin and its glucosides on breast cancer cells. <i>Microbial Cell Factories</i> , 2019, 18, 97.	4.0	28
102	The Conformational Behavior of Novel Glycosidase Inhibitors with Substituted Azepan Structures: An NMR and Modeling Study. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 4119-4129.	2.4	27
103	Theoretical Study of Inversion and Topomerization Processes of Substituted Cyclohexanes: The Relevance of the Energy 3D Hypersurface. <i>ChemPhysChem</i> , 2005, 6, 671-680.	2.1	27
104	Temperature dependence of ligand-protein complex formation as reflected by saturation transfer difference NMR experiments. <i>Magnetic Resonance in Chemistry</i> , 2007, 45, 745-748.	1.9	27
105	Synthesis and conformational behavior of the difluoromethylene linked C-glycoside analog of β -galactopyranosyl-(1 \rightarrow 1)- β -mannopyranoside. <i>Carbohydrate Research</i> , 2007, 342, 1624-1635.	2.3	26
106	On the role of aromatic-sugar interactions in the molecular recognition of carbohydrates: A 3D view by using NMR. <i>Pure and Applied Chemistry</i> , 2008, 80, 1827-1835.	1.9	26
107	Structural and Biochemical Characterization of the Interaction of Tubulin with Potent Natural Analogues of Podophyllotoxin. <i>Journal of Natural Products</i> , 2016, 79, 2113-2121.	3.0	26
108	Detailed Investigation of the Immunodominant Role of Antigen Stoichiometric Acetylation as Revealed by Chemical Synthesis, Immunochemistry, Solution Conformation and STD-NMR Spectroscopy for <i>Shigella flexneri</i> . <i>Chemistry - A European Journal</i> , 2016, 22, 10892-10911.	3.3	26

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109	Substrate specificity of small-intestinal lactase: Study of the steric effects and hydrogen bonds involved in enzyme-substrate interaction. <i>Carbohydrate Research</i> , 1995, 271, 31-42.	2.3	25
110	Protein molecular weight standards can compensate systematic errors in diffusion-ordered spectroscopy. <i>Analytical Biochemistry</i> , 2004, 331, 395-397.	2.4	25
111	Toward the understanding of the structure and dynamics of protein-carbohydrate interactions: molecular dynamics studies of the complexes between hevein and oligosaccharidic ligands. <i>Carbohydrate Research</i> , 2004, 339, 985-994.	2.3	25
112	Insights on the conformational properties of hyaluronic acid by using NMR residual dipolar couplings and MD simulations. <i>Glycobiology</i> , 2010, 20, 1208-1216.	2.5	25
113	Structure and Sialyllactose Binding of the Carboxy-Terminal Head Domain of the Fibre from a Sialadenovirus, Turkey Adenovirus 3. <i>PLoS ONE</i> , 2015, 10, e0139339.	2.5	25
114	A glucotolerant β -glucosidase from the fungus <i>Talaromyces amestolkiae</i> and its conversion into a glycosynthase for glycosylation of phenolic compounds. <i>Microbial Cell Factories</i> , 2020, 19, 127.	4.0	25
115	Drawbacks of Dialysis Procedures for Removal of EDTA. <i>PLoS ONE</i> , 2017, 12, e0169843.	2.5	25
116	Peptides derived from human galectin-3 N-terminal tail interact with its carbohydrate recognition domain in a phosphorylation-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 126-131.	2.1	24
117	Fluorinated Carbohydrates as Lectin Ligands: Simultaneous Screening of a Monosaccharide Library and Chemical Mapping by ^{19}F NMR Spectroscopy. <i>Journal of Organic Chemistry</i> , 2020, 85, 16072-16081.	3.2	24
118	Regioselectivity of the enzymatic transgalactosidation of d- and l-xylose catalysed by β -galactosidases. <i>Carbohydrate Research</i> , 1997, 305, 383-391.	2.3	23
119	Screening by NMR: A New Approach for the Study of Bioactive Natural Products? The Example of <i>Pleurotus ostreatus</i> Hot Water Extract. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 1392-1396.	2.4	23
120	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. <i>Carbohydrate Research</i> , 2007, 342, 1918-1928.	2.3	23
121	Selective Recognition of β -Mannosides by Synthetic Tripodal Receptors: A 3D View of the Recognition Mode by NMR. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 64-71.	2.4	23
122	Avenues to Characterize the Interactions of Extended N-glycans with Proteins by NMR Spectroscopy: The Influenza Hemagglutinin Case. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15051-15055.	13.8	23
123	Experimental Evidence for the Existence of Non-exo-Anomeric Conformations in Branched Oligosaccharides: NMR Analysis of the Structure and Dynamics of Aminoglycosides of the Neomycin Family. <i>Chemistry - A European Journal</i> , 2002, 8, 5228-5240.	3.3	22
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