

Jesus Jimenez-Barbero

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.

608
papers

18,429
citations

65
h-index

97
g-index

649
ext. papers

20,271
ext. citations

6
avg, IF

6.51
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 608 | Atomic and Specificity Details of Mucin 1 -Glycosylation Process by Multiple Polypeptide GalNAc-Transferase Isoforms Unveiled by NMR and Molecular Modeling.. <i>Jacs Au</i> , 2022 , 2, 631-645 | | 1 |
| 607 | The SARS-CoV-2 Spike Glycoprotein Directly Binds Exogeneous Sialic Acids: A NMR View.. <i>Angewandte Chemie - International Edition</i> , 2022 , | 16.4 | 3 |
| 606 | Assessing the Mobility of Severe Acute Respiratory Syndrome Coronavirus-2 Spike Protein Glycans by Structural and Computational Methods.. <i>Frontiers in Microbiology</i> , 2022 , 13, 870938 | 5.7 | |
| 605 | Synthesis, conformational analysis and glycosidase inhibition of bicyclic nojirimycin C-glycosides based on an octahydrofuro[3,2-b]pyridine motif.. <i>Carbohydrate Research</i> , 2021 , 511, 108491 | 2.9 | 0 |
| 604 | The Flexibility of Oligosaccharides Unveiled Through Residual Dipolar Coupling Analysis. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 784318 | 5.6 | 0 |
| 603 | Synthesis and chelation study of a fluoroionophore and a glycopeptide based on an aza crown iminosugar structure. <i>Carbohydrate Research</i> , 2021 , 501, 108258 | 2.9 | |
| 602 | Galectin-4 N-Terminal Domain: Binding Preferences Toward A and B Antigens With Different Peripheral Core Presentations. <i>Frontiers in Chemistry</i> , 2021 , 9, 664097 | 5 | 2 |
| 601 | Minimal epitope for Mannitou IgM on paucimannose-carrying glycoproteins. <i>Glycobiology</i> , 2021 , 31, 1005-1017 | 5.8 | 0 |
| 600 | Glycosyl Oxocarbenium Ions: Structure, Conformation, Reactivity, and Interactions. <i>Accounts of Chemical Research</i> , 2021 , 54, 2552-2564 | 24.3 | 8 |
| 599 | Exploration of Galectin Ligands Displayed on Gram-Negative Respiratory Bacterial Pathogens with Different Cell Surface Architectures. <i>Biomolecules</i> , 2021 , 11, | 5.9 | 2 |
| 598 | Structural Insights into the Molecular Recognition Mechanism of the Cancer and Pathogenic Epitope, LacdiNAc by Immune-Related Lectins. <i>Chemistry - A European Journal</i> , 2021 , 27, 7951-7958 | 4.8 | 0 |
| 597 | Trimethylamine -oxide is a new plant molecule that promotes abiotic stress tolerance. <i>Science Advances</i> , 2021 , 7, | 14.3 | 1 |
| 596 | Hypoxia reduces cell attachment of SARS-CoV-2 spike protein by modulating the expression of ACE2, neuropilin-1, syndecan-1 and cellular heparan sulfate. <i>Emerging Microbes and Infections</i> , 2021 , 10, 1065-1076 | 18.9 | 8 |
| 595 | Enzymatic Synthesis of Phloretin β -Glucosides Using a Sucrose Phosphorylase Mutant and its Effect on Solubility, Antioxidant Properties and Skin Absorption. <i>Advanced Synthesis and Catalysis</i> , 2021 , 363, 3079-3089 | 5.6 | 0 |
| 594 | Cross-Linking Effects Dictate the Preference of Galectins to Bind LacNAc-Decorated HPMA Copolymers. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 1 |
| 593 | Selective ^{13}C -Labels on Repeating Glycan Oligomers to Reveal Protein Binding Epitopes through NMR: Polylactosamine Binding to Galectins. <i>Angewandte Chemie</i> , 2021 , 133, 18925-18930 | 3.6 | 1 |
| 592 | Selective ^{13}C -Labels on Repeating Glycan Oligomers to Reveal Protein Binding Epitopes through NMR: Polylactosamine Binding to Galectins. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 18777-18782 | 16.4 | 3 |

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| 591 | Targeting the CRD F-face of Human Galectin-3 and Allosterically Modulating Glycan Binding by Angiostatic PTX008 and a Structurally Optimized Derivative. <i>ChemMedChem</i> , 2021 , 16, 713-723 | 3.7 | 3 |
| 590 | Insight into the Ferrier Rearrangement by Combining Flash Chemistry and Superacids. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2036-2041 | 16.4 | 6 |
| 589 | Single-Step Glycosylations with C-Labelled Sulfoxide Donors: A Low-Temperature NMR Cartography of the Distinguishing Mechanistic Intermediates. <i>Chemistry - A European Journal</i> , 2021 , 27, 2030-2042 | 4.8 | 4 |
| 588 | Insight into the Ferrier Rearrangement by Combining Flash Chemistry and Superacids. <i>Angewandte Chemie</i> , 2021 , 133, 2064-2069 | 3.6 | 0 |
| 587 | NMR of glycoproteins: profiling, structure, conformation and interactions. <i>Current Opinion in Structural Biology</i> , 2021 , 68, 9-17 | 8.1 | 3 |
| 586 | Nuclear Magnetic Resonance Techniques for the Study of Glycan Interactions 2021 , 329-345 | | 0 |
| 585 | The two domains of human galectin-8 bind sialyl- and fucose-containing oligosaccharides in an independent manner. A 3D view by using NMR. <i>RSC Chemical Biology</i> , 2021 , 2, 932-941 | 3 | 3 |
| 584 | Epitope Recognition of a Monoclonal Antibody Raised against a Synthetic Glycerol Phosphate Based Teichoic Acid. <i>ACS Chemical Biology</i> , 2021 , 16, 1344-1349 | 4.9 | 1 |
| 583 | Iminosugar C-Glycosides Work as Pharmacological Chaperones of NAGLU, a Glycosidase Involved in MPS IIIB Rare Disease*. <i>Chemistry - A European Journal</i> , 2021 , 27, 11291-11297 | 4.8 | 2 |
| 582 | Al β Decreases Neprilysin-Mediated Alzheimer β Amyloid β Peptide Degradation. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 3708-3718 | 5.7 | 0 |
| 581 | Sulfation Code and Conformational Plasticity of l-Iduronic Acid Homo-Oligosaccharides Mimic the Biological Functions of Heparan Sulfate. <i>ACS Chemical Biology</i> , 2021 , 16, 2481-2489 | 4.9 | 3 |
| 580 | Kinetic Studies of Acetyl Group Migration between the Saccharide Units in an Oligomannoside Trisaccharide Model Compound and a Native Galactoglucomannan Polysaccharide. <i>ChemBioChem</i> , 2021 , 22, 2986-2995 | 3.8 | 1 |
| 579 | Targeting transthyretin in Alzheimer β disease: Drug discovery of small-molecule chaperones as disease-modifying drug candidates for Alzheimer β disease. <i>European Journal of Medicinal Chemistry</i> , 2021 , 226, 113847 | 6.8 | 2 |
| 578 | Structure of a protective epitope reveals the importance of acetylation of serogroup A capsular polysaccharide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 29795-29802 | 11.5 | 12 |
| 577 | Molecular Recognition in C-Type Lectins: The Cases of DC-SIGN, Langerin, MGL, and L-Sectin. <i>ChemBioChem</i> , 2020 , 21, 2999-3025 | 3.8 | 21 |
| 576 | Fluorinated carbohydrates as chemical probes for molecular recognition studies. Current status and perspectives. <i>Chemical Society Reviews</i> , 2020 , 49, 3863-3888 | 58.5 | 36 |
| 575 | Synthesis, Conformational Analysis, and Complexation Study of an Iminosugar-Aza-Crown, a Sweet Chiral Cyclam Analog. <i>Organic Letters</i> , 2020 , 22, 2344-2349 | 6.2 | 7 |
| 574 | Calorimetric Studies of Binary and Ternary Molecular Interactions between Transthyretin, Al β Peptides, and Small-Molecule Chaperones toward an Alternative Strategy for Alzheimer β Disease Drug Discovery. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 3205-3214 | 8.3 | 12 |

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| 573 | Mono- and Di-Fucosylated Glycans of the Parasitic Worm <i>S. mansoni</i> are Recognized Differently by the Innate Immune Receptor DC-SIGN. <i>Chemistry - A European Journal</i> , 2020 , 26, 15605-15612 | 4.8 | 8 |
| 572 | Dissecting the Essential Role of Anomeric β -Triflates in Glycosylation Reactions. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12501-12514 | 16.4 | 20 |
| 571 | Structure-Guided Design of a Group B Streptococcus Type III Synthetic Glycan-Conjugate Vaccine. <i>Chemistry - A European Journal</i> , 2020 , 26, 7018-7025 | 4.8 | 10 |
| 570 | Chemoenzymatic synthesis of 3-deoxy-3-fluoro-l-fucose and its enzymatic incorporation into glycoconjugates. <i>Chemical Communications</i> , 2020 , 56, 6408-6411 | 5.8 | 5 |
| 569 | Synthesis and Structural Analysis of <i>Aspergillus fumigatus</i> Galactosaminogalactans Featuring β -Galactose, β -Galactosamine and β -N-Acetyl Galactosamine Linkages. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12746-12750 | 16.4 | 14 |
| 568 | Synthesis of long-chain alkyl glucosides via reverse hydrolysis reactions catalyzed by an engineered β -glucosidase. <i>Enzyme and Microbial Technology</i> , 2020 , 140, 109591 | 3.8 | 2 |
| 567 | Exploiting structure-activity relationships of QS-21 in the design and synthesis of streamlined saponin vaccine adjuvants. <i>Chemical Communications</i> , 2020 , 56, 719-722 | 5.8 | 9 |
| 566 | Discovering Biomolecules with Activity: Designed Repeat Proteins as Biocatalysts for (3 + 2) Cycloadditions. <i>Journal of the American Chemical Society</i> , 2020 , 142, 762-776 | 16.4 | 6 |
| 565 | Glycan structures and their interactions with proteins. A NMR view. <i>Current Opinion in Structural Biology</i> , 2020 , 62, 22-30 | 8.1 | 40 |
| 564 | Structural Basis of Noscapine Activation for Tubulin Binding. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 8495-8501 | 8.3 | 17 |
| 563 | Structural Characterization of N-Linked Glycans in the Receptor Binding Domain of the SARS-CoV-2 Spike Protein and their Interactions with Human Lectins. <i>Angewandte Chemie</i> , 2020 , 132, 23971-23979 | 3.6 | 6 |
| 562 | Fluorinated Carbohydrates as Lectin Ligands: Simultaneous Screening of a Monosaccharide Library and Chemical Mapping by F NMR Spectroscopy. <i>Journal of Organic Chemistry</i> , 2020 , 85, 16072-16081 | 4.2 | 12 |
| 561 | Targeting Galectins With Glycomimetics. <i>Frontiers in Chemistry</i> , 2020 , 8, 593 | 5 | 24 |
| 560 | Unravelling the Time Scale of Conformational Plasticity and Allostery in Glycan Recognition by Human Galectin-1. <i>Chemistry - A European Journal</i> , 2020 , 26, 15643-15653 | 4.8 | 9 |
| 559 | An Assay for Screening Potential Drug Candidates for Alzheimer's Disease That Act as Chaperones of the Transthyretin and Amyloid- β Peptides Interaction. <i>Chemistry - A European Journal</i> , 2020 , 26, 17462-17469 | 4.8 | 3 |
| 558 | Bacterial polysaccharides: conformation, dynamics and molecular recognition by antibodies. <i>Drug Discovery Today: Technologies</i> , 2020 , 35-36, 1-11 | 7.1 | 3 |
| 557 | The Interaction of Fluorinated Glycomimetics with DC-SIGN: Multiple Binding Modes Disentangled by the Combination of NMR Methods and MD Simulations. <i>Pharmaceuticals</i> , 2020 , 13, | 5.2 | 2 |
| 556 | Structural Characterization of N-Linked Glycans in the Receptor Binding Domain of the SARS-CoV-2 Spike Protein and their Interactions with Human Lectins. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23763-23771 | 16.4 | 40 |

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| 555 | Complete Dynamic Reconstruction of C, C, and (CN) Encapsulation into an Adaptable Supramolecular Nanocapsule. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16051-16063 | 16.4 | 20 |
| 554 | Oral Treatment with Iododiflunisal Delays Hippocampal Amyloid- β Formation in a Transgenic Mouse Model of Alzheimer's Disease: A Longitudinal in vivo Molecular Imaging Study. <i>Journal of Alzheimer's Disease</i> , 2020 , 77, 99-112 | 4.3 | 4 |
| 553 | Current Status on Therapeutic Molecules Targeting Siglec Receptors. <i>Cells</i> , 2020 , 9, | 7.9 | 11 |
| 552 | An Epoxide Intermediate in Glycosidase Catalysis. <i>ACS Central Science</i> , 2020 , 6, 760-770 | 16.8 | 20 |
| 551 | Selective Synthesis of Galactooligosaccharides Containing $\alpha(1\rightarrow3)$ Linkages with β -Galactosidase from (<i>Sapheira</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 4930-4938 | 5.7 | 15 |
| 550 | Efficient production of isomelezitose by a glucosyltransferase activity in <i>Metschnikowia reukaufii</i> cell extracts. <i>Microbial Biotechnology</i> , 2019 , 12, 1274-1285 | 6.3 | 8 |
| 549 | Novel NMR Avenues to Explore the Conformation and Interactions of Glycans. <i>ACS Omega</i> , 2019 , 4, 13618-13630 | 13.9 | 30 |
| 548 | Peptidoglycan Recognition by Wheat Germ Agglutinin. A View by NMR. <i>Natural Product Communications</i> , 2019 , 14, 1934578X1984924 | 0.9 | 3 |
| 547 | Experimental and theoretical study of the role of CH/ π interactions in the aminolysis reaction of acetyl galactoside. <i>Carbohydrate Research</i> , 2019 , 486, 107821 | 2.9 | 4 |
| 546 | Radiochemical examination of transthyretin (TTR) brain penetration assisted by iododiflunisal, a TTR tetramer stabilizer and a new candidate drug for AD. <i>Scientific Reports</i> , 2019 , 9, 13672 | 4.9 | 10 |
| 545 | Novel carboxylate-based glycolipids: TLR4 antagonism, MD-2 binding and self-assembly properties. <i>Scientific Reports</i> , 2019 , 9, 919 | 4.9 | 16 |
| 544 | Insights into real-time chemical processes in a calcium sensor protein-directed dynamic library. <i>Nature Communications</i> , 2019 , 10, 2798 | 17.4 | 7 |
| 543 | Conformational Behavior of d-Lyxose in Gas and Solution Phases by Rotational and NMR Spectroscopies. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3339-3345 | 6.4 | 6 |
| 542 | Discovery of processive catalysis by an exo-hydrolase with a pocket-shaped active site. <i>Nature Communications</i> , 2019 , 10, 2222 | 17.4 | 8 |
| 541 | 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</i> , 2019 , 131, 7346-7350 | 3.6 | 11 |
| 540 | Synthesis, Profiling, and Bioactive Conformation of trans-Cyclopropyl Epothilones. <i>Helvetica Chimica Acta</i> , 2019 , 102, e1900078 | 2 | 1 |
| 539 | 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 | 16.4 | 38 |
| 538 | Structure-Based Design of Potent Tumor-Associated Antigens: Modulation of Peptide Presentation by Single-Atom O/S or O/Se Substitutions at the Glycosidic Linkage. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4063-4072 | 16.4 | 30 |

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| 537 | The -glycan structures of the antigenic variants of chlorovirus PBCV-1 major capsid protein help to identify the virus-encoded glycosyltransferases. <i>Journal of Biological Chemistry</i> , 2019 , 294, 5688-5699 | 5.4 | 8 |
| 536 | Impact of Aromatic Stacking on Glycoside Reactivity: Balancing CH/π and Cation/π Interactions for the Stabilization of Glycosyl-Oxocarbenium Ions. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13372-13384 | 16.4 | 17 |
| 535 | The Plasticity of the Carbohydrate Recognition Domain Dictates the Exquisite Mechanism of Binding of Human Macrophage Galactose-Type Lectin. <i>Chemistry - A European Journal</i> , 2019 , 25, 13945-13955 | 4.8 | 16 |
| 534 | Synthetic, Zwitterionic Sp1 Oligosaccharides Adopt a Helical Structure Crucial for Antibody Interaction. <i>ACS Central Science</i> , 2019 , 5, 1407-1416 | 16.8 | 33 |
| 533 | Glycoprofile Analysis of an Intact Glycoprotein As Inferred by NMR Spectroscopy. <i>ACS Central Science</i> , 2019 , 5, 1554-1561 | 16.8 | 18 |
| 532 | Structural and Computational Analysis of 2-Halogeno-Glycosyl Cations in the Presence of a Superacid: An Expansive Platform. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13758-13762 | 16.4 | 21 |
| 531 | Structural and Computational Analysis of 2-Halogeno-Glycosyl Cations in the Presence of a Superacid: An Expansive Platform. <i>Angewandte Chemie</i> , 2019 , 131, 13896-13900 | 3.6 | 5 |
| 530 | Glycans in drug discovery. <i>MedChemComm</i> , 2019 , 10, 1678-1691 | 5 | 39 |
| 529 | Unraveling Sugar Binding Modes to DC-SIGN by Employing Fluorinated Carbohydrates. <i>Molecules</i> , 2019 , 24, | 4.8 | 24 |
| 528 | 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 | 4.9 | 26 |
| 527 | Regioselective Glycosylation Strategies for the Synthesis of Group Ia and Ib Streptococcus Related Glycans Enable Elucidating Unique Conformations of the Capsular Polysaccharides. <i>Chemistry - A European Journal</i> , 2019 , 25, 16277-16287 | 4.8 | 9 |
| 526 | Novel Dextran-Supported Biological Probes Decorated with Disaccharide Entities for Investigating the Carbohydrate-Protein Interactions of Gal-3. <i>ChemBioChem</i> , 2019 , 20, 203-209 | 3.8 | 9 |
| 525 | Structural Analysis of a GalNAc-T2 Mutant Reveals an Induced-Fit Catalytic Mechanism for GalNAc-Ts. <i>Chemistry - A European Journal</i> , 2018 , 24, 8382-8392 | 4.8 | 13 |
| 524 | Well-Defined Oligo- and Polysaccharides as Ideal Probes for Structural Studies. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5421-5426 | 16.4 | 54 |
| 523 | The recognition of glycans by protein receptors. Insights from NMR spectroscopy. <i>Chemical Communications</i> , 2018 , 54, 4761-4769 | 5.8 | 64 |
| 522 | Exploring the Role of Solvent on Carbohydrate-Aryl Interactions by Diffusion NMR-Based Studies. <i>ACS Omega</i> , 2018 , 3, 536-543 | 3.9 | 2 |
| 521 | Co-administration of Antimicrobial Peptides Enhances Toll-like Receptor 4 Antagonist Activity of a Synthetic Glycolipid. <i>ChemMedChem</i> , 2018 , 13, 280-287 | 3.7 | 4 |
| 520 | Enzymatic Synthesis of a Novel Pterostilbene β-Glucoside by the Combination of Cyclodextrin Glucanotransferase and Amyloglucosidase. <i>Molecules</i> , 2018 , 23, | 4.8 | 15 |

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| 519 | Water Sculpts the Distinctive Shapes and Dynamics of the Tumor-Associated Carbohydrate Tn Antigens: Implications for Their Molecular Recognition. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9952-9960 | 16.4 | 27 |
| 518 | Molecular Recognition of a Thomsen-Friedenreich Antigen Mimetic Targeting Human Galectin-3. <i>ChemMedChem</i> , 2018 , 13, 2030-2036 | 3.7 | 10 |
| 517 | Breaking the limits in analyzing carbohydrate recognition by NMR: Resolving Branch- Selective Interaction of a Tetraantennary N-Glycan with lectins. <i>FASEB Journal</i> , 2018 , 32, 544.15 | 0.9 | |
| 516 | Structure and N-acetylglucosamine binding of the distal domain of mouse adenovirus 2 fibre. <i>Journal of General Virology</i> , 2018 , 99, 1494-1508 | 4.9 | 7 |
| 515 | The Stabilization of Glycosyl Cations Through Cooperative Noncovalent Interactions: A Theoretical Perspective. <i>ChemPhysChem</i> , 2018 , 19, 659-665 | 3.2 | 4 |
| 514 | Optimization of Regioselective β -Glucosylation of Hesperetin Catalyzed by Cyclodextrin Glucanotransferase. <i>Molecules</i> , 2018 , 23, | 4.8 | 12 |
| 513 | From 1,4-Disaccharide to 1,3-Glycosyl Carbasugar: Synthesis of a Bespoke Inhibitor of Family GH99 Endo- β -mannosidase. <i>Organic Letters</i> , 2018 , 20, 7488-7492 | 6.2 | 5 |
| 512 | Zwitterionic Polysaccharides of <i>Shigella sonnei</i> : Synthetic Study toward a Ready-for-Oligomerization Building Block Made of Two Rare Amino Sugars. <i>Synthesis</i> , 2018 , 50, 4270-4282 | 2.9 | 3 |
| 511 | Avenues to Characterize the Interactions of Extended N-Glycans with Proteins by NMR Spectroscopy: The Influenza Hemagglutinin Case. <i>Angewandte Chemie</i> , 2018 , 130, 15271-15275 | 3.6 | 5 |
| 510 | Fluorinated Carbohydrates as Lectin Ligands: Synthesis of OH/F-Substituted N-Glycan Core Trimannoside and Epitope Mapping by 2D STD-TOCSYref NMR spectroscopy. <i>Chemistry - A European Journal</i> , 2018 , 24, 15761-15765 | 4.8 | 28 |
| 509 | Fructosylation of Hydroxytyrosol by the β -Fructofuranosidase from <i>Xanthophyllomyces dendrorhous</i> : Insights into the Molecular Basis of the Enzyme Specificity. <i>ChemCatChem</i> , 2018 , 10, 4878-4887 | 5.3 | 11 |
| 508 | 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 | 16.4 | 19 |
| 507 | Structural and Mechanistic Insights into the Catalytic-Domain-Mediated Short-Range Glycosylation Preferences of GalNAc-T4. <i>ACS Central Science</i> , 2018 , 4, 1274-1290 | 16.8 | 28 |
| 506 | Environmental Effects Determine the Structure of Potential β -Amino Acid Based Foldamers. <i>Chemistry - A European Journal</i> , 2018 , 24, 10625-10629 | 4.8 | 4 |
| 505 | 2-Acetamido-2-deoxy-l-iminosugar C-Alkyl and C-Aryl Glycosides: Synthesis and Glycosidase Inhibition. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 5477-5488 | 3.2 | 8 |
| 504 | The Conformation of the Mannopyranosyl Phosphate Repeating Unit of the Capsular Polysaccharide of Serogroup A and Its Carba-Mimetic. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 4548-4555 | 3.2 | 15 |
| 503 | Efficient β -Glucosylation of Epigallocatechin Gallate Catalyzed by Cyclodextrin Glucanotransferase from <i>Thermoanaerobacter</i> Species. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 7402-7408 | 5.7 | 14 |
| 502 | Fluoroacetamide Moieties as NMR Spectroscopy Probes for the Molecular Recognition of GlcNAc-Containing Sugars: Modulation of the CH- π Stacking Interactions by Different Fluorination Patterns. <i>Chemistry - A European Journal</i> , 2017 , 23, 3957-3965 | 4.8 | 24 |

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| 501 | 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 | 4.9 | 27 |
| 500 | Insights on the Interaction between Transthyretin and A β in Solution. A Saturation Transfer Difference (STD) NMR Analysis of the Role of Iododiflunisal. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 5749-5758 | 8.3 | 21 |
| 499 | Triazolopyrimidines Are Microtubule-Stabilizing Agents that Bind the Vinca Inhibitor Site of Tubulin. <i>Cell Chemical Biology</i> , 2017 , 24, 737-750.e6 | 8.2 | 43 |
| 498 | Role of the sugar moiety on the opioid receptor binding and conformation of a series of enkephalin neoglycopeptides. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 2260-2265 | 3.4 | 2 |
| 497 | Contribution of Shape and Charge to the Inhibition of a Family GH99 endo- β -1,2-Mannanase. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1089-1097 | 16.4 | 12 |
| 496 | Breaking the Limits in Analyzing Carbohydrate Recognition by NMR Spectroscopy: Resolving Branch-Selective Interaction of a Tetra-Antennary N-Glycan with Lectins. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14987-14991 | 16.4 | 36 |
| 495 | Breaking the Limits in Analyzing Carbohydrate Recognition by NMR Spectroscopy: Resolving Branch-Selective Interaction of a Tetra-Antennary N-Glycan with Lectins. <i>Angewandte Chemie</i> , 2017 , 129, 15183-15187 | 3.6 | 7 |
| 494 | Hidden β -helical propensity segments within disordered regions of the transcriptional activator CHOP. <i>PLoS ONE</i> , 2017 , 12, e0189171 | 3.7 | 6 |
| 493 | Mite allergoids coupled to nonoxidized mannan from <i>Saccharomyces cerevisiae</i> efficiently target canine dendritic cells for novel allergy immunotherapy in veterinary medicine. <i>Veterinary Immunology and Immunopathology</i> , 2017 , 190, 65-72 | 2 | 13 |
| 492 | Mechanistic Insight into the Binding of Multivalent Pyrrolidines to β -Mannosidases. <i>Chemistry - A European Journal</i> , 2017 , 23, 14585-14596 | 4.8 | 21 |
| 491 | The interdomain flexible linker of the polypeptide GalNAc transferases dictates their long-range glycosylation preferences. <i>Nature Communications</i> , 2017 , 8, 1959 | 17.4 | 26 |
| 490 | The Use of Fluoroproline in MUC1 Antigen Enables Efficient Detection of Antibodies in Patients with Prostate Cancer. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18255-18261 | 16.4 | 23 |
| 489 | Enzymatic Synthesis of a Novel Neuroprotective Hydroxytyrosyl Glycoside. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 10526-10533 | 5.7 | 18 |
| 488 | Protein-Glycan Quinary Interactions in Crowding Environment Unveiled by NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2017 , 23, 13213-13220 | 4.8 | 16 |
| 487 | Direct Enzymatic Branch-End Extension of Glycocluster-Presented Glycans: An Effective Strategy for Programming Glycan Bioactivity. <i>Chemistry - A European Journal</i> , 2017 , 23, 1623-1633 | 4.8 | 11 |
| 486 | Development of a Nucleotide Exchange Inhibitor That Impairs Ras Oncogenic Signaling. <i>Chemistry - A European Journal</i> , 2017 , 23, 1676-1685 | 4.8 | 10 |
| 485 | 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 | 6.8 | 35 |
| 484 | Glycans in Infectious Diseases. A Molecular Recognition Perspective. <i>Current Medicinal Chemistry</i> , 2017 , 24, 4057-4080 | 4.3 | 8 |

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|-----|--|------|----|
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| 1 | CHAPTER 5: Lanthanide-Chelating Carbohydrate Conjugates to Detect Carbohydrate-Protein Interactions. <i>New Developments in NMR</i> , 150-160 | 0.9 | 1 |