

Ana Ardã;

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,717
citations

279798

23
h-index

289244

40
g-index

50
all docs

50
docs citations

50
times ranked

2206
citing authors

#	ARTICLE	IF	CITATIONS
1	Oligosaccharide Presentation Modulates the Molecular Recognition of Glycolipids by Galectins on Membrane Surfaces. <i>Pharmaceuticals</i> , 2022, 15, 145.	3.8	4
2	The SARS-CoV-2 Spike Glycoprotein Directly Binds Exogeneous Sialic Acids: A NMR View. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	25
3	Insight into the Ferrier Rearrangement by Combining Flash Chemistry and Superacids. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2036-2041.	13.8	24
4	NMR of glycoproteins: profiling, structure, conformation and interactions. <i>Current Opinion in Structural Biology</i> , 2021, 68, 9-17.	5.7	13
5	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.	4.1	8
6	Synthesis and chelation study of a fluoroionophore and a glycopeptide based on an aza crown iminosugar structure. <i>Carbohydrate Research</i> , 2021, 501, 108258.	2.3	1
7	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.	3.6	6
8	Glycosyl Oxocarbenium Ions: Structure, Conformation, Reactivity, and Interactions. <i>Accounts of Chemical Research</i> , 2021, 54, 2552-2564.	15.6	46
9	Exploration of Galectin Ligands Displayed on Gram-Negative Respiratory Bacterial Pathogens with Different Cell Surface Architectures. <i>Biomolecules</i> , 2021, 11, 595.	4.0	4
10	Cross-Linking Effects Dictate the Preference of Galectins to Bind LacNAc-Decorated HPMA Copolymers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6000.	4.1	7
11	Chemoenzymatic Synthesis of Complex N-Glycans of the Parasite <i>S. mansoni</i> to Examine the Importance of Epitope Presentation on DC-SIGN recognition. <i>Angewandte Chemie</i> , 2021, 133, 19436-19445.	2.0	1
12	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.	2.0	3
13	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.	13.8	14
14	Chemoenzymatic Synthesis of Complex N-Glycans of the Parasite <i>S. mansoni</i> to Examine the Importance of Epitope Presentation on DC-SIGN recognition. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19287-19296.	13.8	12
15	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.	2.6	4
16	Glycan structures and their interactions with proteins. A NMR view. <i>Current Opinion in Structural Biology</i> , 2020, 62, 22-30.	5.7	65
17	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.	2.0	9
18	Targeting Galectins With Glycomimetics. <i>Frontiers in Chemistry</i> , 2020, 8, 593.	3.6	43

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19	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.	3.3	22
20	Bacterial polysaccharides: conformation, dynamics and molecular recognition by antibodies. <i>Drug Discovery Today: Technologies</i> , 2020, 35-36, 1-11.	4.0	5
21	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, 179.	3.8	12
22	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.	13.8	81
23	Structure of a protective epitope reveals the importance of acetylation of <i>Neisseria meningitidis</i> serogroup A capsular polysaccharide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29795-29802.	7.1	19
24	Molecular Recognition in C-type Lectins: The Cases of DC-SIGN, Langerin, MGL, and Lectin. <i>ChemBioChem</i> , 2020, 21, 2999-3025.	2.6	49
25	Synthesis and Structural Analysis of <i>Aspergillus fumigatus</i> Galactosaminogalactans Featuring β -Galactose, β -Galactosamine and β -N-Acetyl Galactosamine Linkages. <i>Angewandte Chemie</i> , 2020, 132, 2.0 12846-12850.		4
26	Fluorinated carbohydrates as chemical probes for molecular recognition studies. Current status and perspectives. <i>Chemical Society Reviews</i> , 2020, 49, 3863-3888.	38.1	77
27	Synthesis, Conformational Analysis, and Complexation Study of an Iminosugar-Aza-Crown, a Sweet Chiral Cyclam Analog. <i>Organic Letters</i> , 2020, 22, 2344-2349.	4.6	10
28	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.	3.3	8
29	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.	13.8	28
30	Glycoprofile Analysis of an Intact Glycoprotein As Inferred by NMR Spectroscopy. <i>ACS Central Science</i> , 2019, 5, 1554-1561.	11.3	31
31	Structural and Computational Analysis of Halogeno-Glycosyl Cations in the Presence of a Superacid: An Expansive Platform. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13758-13762.	13.8	41
32	Glycans in drug discovery. <i>MedChemComm</i> , 2019, 10, 1678-1691.	3.4	62
33	Unraveling Sugar Binding Modes to DC-SIGN by Employing Fluorinated Carbohydrates. <i>Molecules</i> , 2019, 24, 2337.	3.8	34
34	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
35	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.	3.3	15
36	Novel NMR Avenues to Explore the Conformation and Interactions of Glycans. <i>ACS Omega</i> , 2019, 4, 13618-13630.	3.5	52

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37	Minimizing the Entropy Penalty for Ligand Binding: Lessons from the Molecular Recognition of the Histo Bloodâ€Group Antigens by Human Galectinâ€3. <i>Angewandte Chemie</i> , 2019, 131, 7346-7350.	2.0	12
38	Minimizing the Entropy Penalty for Ligand Binding: Lessons from the Molecular Recognition of the Histo Bloodâ€Group Antigens by Human Galectinâ€3. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7268-7272.	13.8	56
39	Novel Dextranâ€Supported Biological Probes Decorated with Disaccharide Entities for Investigating the Carbohydrateâ€Protein Interactions of Galâ€3. <i>ChemBioChem</i> , 2019, 20, 203-209.	2.6	11
40	The recognition of glycans by protein receptors. Insights from NMR spectroscopy. <i>Chemical Communications</i> , 2018, 54, 4761-4769.	4.1	86
41	Environmental Effects Determine the Structure of Potential Î²â€Amino Acid Based Foldamers. <i>Chemistry - A European Journal</i> , 2018, 24, 10625-10629.	3.3	6
42	Fluoroacetamide Moieties as NMR Spectroscopy Probes for the Molecular Recognition of GlcNAcâ€Containing Sugars: Modulation of the CHâ€Î€ Stacking Interactions by Different Fluorination Patterns. <i>Chemistry - A European Journal</i> , 2017, 23, 3957-3965.	3.3	33
43	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
44	â€Rules of Engagementâ€of Protein-Glycoconjugate Interactions: A Molecular View Achievable by using NMR Spectroscopy and Molecular Modeling. <i>ChemistryOpen</i> , 2016, 5, 274-296.	1.9	62
45	Monitoring Glycanâ€Protein Interactions by NMR Spectroscopic Analysis: A Simple Chemical Tag That Mimics Natural CHâ€Î€ Interactions. <i>Chemistry - A European Journal</i> , 2015, 21, 11408-11416.	3.3	17
46	Selectfluor and NFSI <i>exo</i>â€Glycal Fluorination Strategies Applied to the Enhancement of the Binding Affinity of Galactofuranosyltransferase Gl<i>f</i>T2 Inhibitors. <i>Chemistry - A European Journal</i> , 2014, 20, 15208-15215.	3.3	27
47	Tetrafluorination of Sugars as Strategy for Enhancing Proteinâ€Carbohydrate Affinity: Application to UDPâ€Gal<i>p</i> Mutase Inhibition. <i>Chemistry - A European Journal</i> , 2014, 20, 106-112.	3.3	64
48	Carbohydrateâ€Aromatic Interactions. <i>Accounts of Chemical Research</i> , 2013, 46, 946-954.	15.6	394
49	Molecular Recognition of Complex-Type Biantennary <i>N</i>-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
50	The SARSâ€CoVâ€2 Spike Glycoprotein Directly Binds Exogeneous Sialic Acids: A NMR View. <i>Angewandte Chemie</i> , 0, , .	2.0	1