

Martina Lahmann

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,623
citations

279798

23
h-index

206112

48
g-index

52
all docs

52
docs citations

52
times ranked

3505
citing authors

#	ARTICLE	IF	CITATIONS
1	Multivalent glycoconjugates as anti-pathogenic agents. <i>Chemical Society Reviews</i> , 2013, 42, 4709-4727.	38.1	464
2	Functional Adaptation of BabA, the <i>H. pylori</i> ABO Blood Group Antigen Binding Adhesin. <i>Science</i> , 2004, 305, 519-522.	12.6	368
3	The Fucose-binding Lectin from <i>Ralstonia solanacearum</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 27839-27849.	3.4	160
4	Gold nanoparticles as carriers for a synthetic <i>Streptococcus pneumoniae</i> type 14 conjugate vaccine. <i>Nanomedicine</i> , 2012, 7, 651-662.	3.3	158
5	Identification of the Smallest Structure Capable of Evoking Opsonophagocytic Antibodies against <i>Streptococcus pneumoniae</i> Type 14. <i>Infection and Immunity</i> , 2008, 76, 4615-4623.	2.2	95
6	The fimbrial adhesin F17 of enterotoxigenic <i>Escherichia coli</i> has an immunoglobulin-like lectin domain that binds N-acetylglucosamine. <i>Molecular Microbiology</i> , 2003, 49, 705-715.	2.5	89
7	Structural Insights into Polymorphic ABO Glycan Binding by <i>Helicobacter pylori</i> . <i>Cell Host and Microbe</i> , 2016, 19, 55-66.	11.0	88
8	A Soluble Fucose-Specific Lectin from <i>Aspergillus fumigatus</i> Conidia - Structure, Specificity and Possible Role in Fungal Pathogenicity. <i>PLoS ONE</i> , 2013, 8, e83077.	2.5	87
9	Ethyl 2-acetamido-4,6-di-O-benzyl-2,3-N,O-carbonyl-2-deoxy-1-thio- β -D-glycopyranoside as a versatile GlcNAc donor. <i>Chemical Communications</i> , 2005, , 3044.	4.1	81
10	β -Propeller Crystal Structure of <i>Psathyrella velutina</i> Lectin: An Integrin-like Fungal Protein Interacting with Monosaccharides and Calcium. <i>Journal of Molecular Biology</i> , 2006, 357, 1575-1591.	4.2	77
11	A TNF-like Trimeric Lectin Domain from <i>Burkholderia cenocepacia</i> with Specificity for Fucosylated Human Histo-Blood Group Antigens. <i>Structure</i> , 2010, 18, 59-72.	3.3	76
12	Investigations of Glycosylation Reactions with 2-N-Acetyl-2N,3O-oxazolidinone-Protected Glucosamine Donors. <i>Journal of Organic Chemistry</i> , 2008, 73, 7181-7188.	3.2	72
13	Sml2/Water/Amine Mediates Cleavage of Allyl Ether Protected Alcohols: Application in Carbohydrate Synthesis and Mechanistic Considerations. <i>Organic Letters</i> , 2003, 5, 4085-4088.	4.6	70
14	The Tyrosine Gate as a Potential Entropic Lever in the Receptor-Binding Site of the Bacterial Adhesin FimH. <i>Biochemistry</i> , 2012, 51, 4790-4799.	2.5	67
15	Preparation and immunogenicity of gold glyco-nanoparticles as antipneumococcal vaccine model. <i>Nanomedicine</i> , 2017, 12, 13-23.	3.3	66
16	One-Pot Oligosaccharide Synthesis Exploiting Solvent Reactivity Effects. <i>Organic Letters</i> , 2000, 2, 3881-3882.	4.6	51
17	Investigation of the reactivity difference between thioglycoside donors with variant aglycon parts. <i>Canadian Journal of Chemistry</i> , 2002, 80, 889-893.	1.1	49
18	Ligands of the asialoglycoprotein receptor for targeted gene delivery, part 1: Synthesis of and binding studies with biotinylated cluster glycosides containing N-acetylgalactosamine. <i>Glycoconjugate Journal</i> , 2004, 21, 227-241.	2.7	35

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19	Synthesis of oligosaccharides corresponding to <i>Vibrio cholerae</i> O139 polysaccharide structures containing dideoxy sugars and a cyclic phosphate. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 1236.	2.8	30
20	Architectures of Multivalent Glycomimetics for Probing Carbohydrate-Lectin Interactions. <i>Topics in Current Chemistry</i> , 2009, 288, 183-165.	4.0	30
21	Synthesis of α -tocopheryl oligosaccharides. <i>Carbohydrate Research</i> , 1997, 299, 23-31.	2.3	28
22	Antiprotozoal Effect of Saponins in the Rumen Can Be Enhanced by Chemical Modifications in Their Structure. <i>Frontiers in Microbiology</i> , 2017, 08, 399.	3.5	27
23	Architecture and Evolution of Blade Assembly in β -propeller Lectins. <i>Structure</i> , 2019, 27, 764-775.e3.	3.3	27
24	Block Synthesis of <i>Streptococcus pneumoniae</i> Type 14 Capsular Polysaccharide Structures*. <i>Journal of Carbohydrate Chemistry</i> , 2005, 24, 379-391.	1.1	24
25	Glycocluster Design for Improved Avidity and Selectivity in Blocking Human Lectin/Plant Toxin Binding to Glycoproteins and Cells. <i>Molecular Pharmaceutics</i> , 2010, 7, 2270-2279.	4.6	24
26	Isolation and characterisation of 13 pterosins and pterosides from bracken (<i>Pteridium aquilinum</i> (L.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.9	24
27	Solving the phase problem for carbohydrate-binding proteins using selenium derivatives of their ligands: a case study involving the bacterial F17-G adhesin. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 1012-1015.	2.5	21
28	A facile approach to diosgenin and furostan type saponins bearing a β -chacotriose moiety. <i>Carbohydrate Research</i> , 2002, 337, 2153-2159.	2.3	20
29	Lactosamine from lactulose via the Heyns rearrangement: a practical protocol. <i>Tetrahedron Letters</i> , 2013, 54, 3960-3961.	1.4	19
30	Synthesis of the tetrasaccharide α -d-Glcp-(1 \rightarrow 3)- α -d-Manp-(1 \rightarrow 2)- α -d-Manp-(1 \rightarrow 2)- α -d-Manp recognized by Calreticulin/Calnexin. <i>Carbohydrate Research</i> , 2005, 340, 2558-2562.	2.3	17
31	Improving the antiprotozoal effect of saponins in the rumen by combination with glycosidase inhibiting iminosugars or by modification of their chemical structure. <i>PLoS ONE</i> , 2017, 12, e0184517.	2.5	16
32	Atomic Mapping of the Sugar Interactions in One-Site and Two-Site Mutants of Cyanovirin-N by NMR Spectroscopy. <i>Biochemistry</i> , 2008, 47, 3625-3635.	2.5	15
33	Synthesis of Dihydrodiosgenin Glycosides as Mimetics of Bidesmosidic Steroidal Saponins. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 4003-4011.	2.4	14
34	Synthesis of the Lewis b hexasaccharide and HSA-conjugates thereof. <i>Glycoconjugate Journal</i> , 2004, 21, 251-256.	2.7	14
35	Design and synthesis of HIV-1 protease inhibitors. Novel tetrahydrofuran P2/P2 α -groups interacting with Asp29/30 of the HIV-1 protease. Determination of binding from X-ray crystal structure of inhibitor protease complex. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 1107-1115.	3.0	13
36	NMR study of hydroxy protons of di- and trimannosides, substructures of Man α 9. <i>Magnetic Resonance in Chemistry</i> , 2007, 45, 1076-1080.	1.9	13

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37	Synthesis of urine drug metabolites: glucuronic acid glycosides of phenol intermediates. Carbohydrate Research, 2007, 342, 970-974.	2.3	13
38	An investigation of the antileishmanial properties of semi-synthetic saponins. RSC Medicinal Chemistry, 2020, 11, 833-842.	3.9	13
39	Synthesis of a polyphosphorylated GPI-anchor core structure. Canadian Journal of Chemistry, 2002, 80, 1105-1111.	1.1	11
40	Impact of natural variation in bacterial F17G adhesins on crystallization behaviour. Acta Crystallographica Section D: Biological Crystallography, 2005, 61, 1149-1159.	2.5	10
41	Synthesis of monodeoxy analogues of the trisaccharide α -D-Glc-(1 \rightarrow 3)- α -D-Manp-(1 \rightarrow 2)- α -D-ManpOMe recognised by Calreticulin/Calnexin. Carbohydrate Research, 2006, 341, 1533-1542.	2.3	10
42	Reversible non-covalent derivatisation of carbon nanotubes with glycosides. Soft Matter, 2009, 5, 2713.	2.7	10
43	Synthesis of Urine Drug Metabolites: Glucuronosyl Esters of Carboxymefloquine, Indoprofen, (S)-Naproxen, and Desmethyl (S)-Naproxen. Journal of Carbohydrate Chemistry, 2004, 23, 123-132.	1.1	7
44	Synthesis of 6-PEtN- α -D-GalpNAc-(1 \rightarrow 6)- β -D-Galp-(1 \rightarrow 4)- β -D-GlcNAc-(1 \rightarrow 3)- β -D-Galp-(1 \rightarrow 4)- β -D-Glc, a Haemophilus influenzae lipopolysaccharide structure, and biotin and protein conjugates thereof. Beilstein Journal of Organic Chemistry, 2010, 6, 704-708.	2.2	7
45	Synthesis of the Lewis b pentasaccharide and a HSA-conjugate thereof. Tetrahedron, 2010, 66, 7850-7855.	1.9	5
46	Synthesis of Anemocleomosides A and B, Two Saponins Isolated from <i>Anemoclema glaucifolium</i> . European Journal of Organic Chemistry, 2020, 2020, 7470-7473.	2.4	3
47	Synthesis of type 1 Lewis b hexasaccharide antigen structures featuring flexible incorporation of α -[1 \rightarrow 3]-C ₆ -fucose for NMR binding studies. Organic and Biomolecular Chemistry, 2020, 18, 4452-4458.	2.8	3
48	Transformations of chromanol and tocopherol and synthesis of ascorbate conjugates. Tetrahedron, 2011, 67, 1654-1664.	1.9	2
49	Sml2/Water/Amine Mediates Cleavage of Allyl Ether Protected Alcohols: Application in Carbohydrate Synthesis and Mechanistic Considerations.. ChemInform, 2004, 35, no.	0.0	0
50	Synthesis of Glycosyl Vinyl Sulfones for Bioconjugation. , 2015, , 88-93.		0