Tom Wennekes

List of Publications by Year
in descending order

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58	3,045	218677	161849
papers	citations	26 h-index	54 g-index

68	68	68	4195
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sweet impersonators: Molecular mimicry of host glycans by bacteria. Glycobiology, 2022, 32, 11-22.	2.5	9
2	Detection of Bacterial Î±-l-Fucosidases with an Ortho-Quinone Methide-Based Probe and Mapping of the Probe-Protein Adducts. Molecules, 2022, 27, 1615.	3.8	9
3	Outer membrane permeabilization by the membrane attack complex sensitizes Gram-negative bacteria to antimicrobial proteins in serum and phagocytes. PLoS Pathogens, 2021, 17, e1009227.	4.7	20
4	From the freezer to the clinic. EMBO Reports, 2021, 22, e52162.	4.5	20
5	Analysis of the Evolution of Pandemic Influenza A(H1N1) Virus Neuraminidase Reveals Entanglement of Different Phenotypic Characteristics. MBio, 2021, 12, .	4.1	11
6	Metabolic Labeling of Legionaminic Acid in Flagellin Glycosylation of Campylobacter jejuni Identifies Maf4 as a Putative Legionaminyl Transferase. Angewandte Chemie, 2021, 133, 25015-25020.	2.0	0
7	Metabolic Labeling of Legionaminic Acid in Flagellin Glycosylation of Campylobacter jejuni Identifies Maf4 as a Putative Legionaminyl Transferase. Angewandte Chemie - International Edition, 2021, 60, 24811-24816.	13.8	12
8	Development of a 1,2-difluorofucoside activity-based probe for profiling GH29 fucosidases. Organic and Biomolecular Chemistry, 2021, 19, 2968-2977.	2.8	11
9	<scp> Bacteroides fragilis </scp> fucosidases facilitate growth and invasion of Campylobacter jejuni in the presence of mucins. Cellular Microbiology, 2020, 22, e13252.	2.1	19
10	N-Glycolylneuraminic Acid as a Receptor for Influenza A Viruses. Cell Reports, 2019, 27, 3284-3294.e6.	6.4	78
11	Ten years of CAZypedia: a living encyclopedia of carbohydrate-active enzymes. Glycobiology, 2018, 28, 3-8.	2.5	175
12	A Fluorescence Polarization Activity-Based Protein Profiling Assay in the Discovery of Potent, Selective Inhibitors for Human Nonlysosomal Glucosylceramidase. Journal of the American Chemical Society, 2017, 139, 14192-14197.	13.7	50
13	Facile functionalization of peptide nucleic acids (PNAs) for antisense and single nucleotide polymorphism detection. Organic and Biomolecular Chemistry, 2017, 15, 6710-6714.	2.8	6
14	A plant-based chemical genomics screen for the identification of flowering inducers. Plant Methods, 2017, 13, 78.	4.3	6
15	Direct imaging of glycans in Arabidopsis roots via click labeling of metabolically incorporated azido-monosaccharides. BMC Plant Biology, 2016, 16, 220.	3.6	26
16	Clickable Polylactic Acids by Fast Organocatalytic Ring-Opening Polymerization in Continuous Flow. Macromolecules, 2016, 49, 2054-2062.	4.8	35
17	Synthesis and evaluation of locostatin-based chemical probes towards PEBP-proteins. Tetrahedron Letters, 2016, 57, 2406-2409.	1.4	3
18	Exploring the Chemistry of Bicyclic Isoxazolidines for the Multicomponent Synthesis of Glycomimetic Building Blocks. Journal of Organic Chemistry, 2016, 81, 8826-8836.	3.2	11

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19	Getting a grip on glycans: A current overview of the metabolic oligosaccharide engineering toolbox. Carbohydrate Research, 2016, 435, 121-141.	2.3	48
20	Synthesis and Evaluation of Hybrid Structures Composed of Two Glucosylceramide Synthase Inhibitors. ChemMedChem, 2015, 10, 2042-2062.	3.2	10
21	Versatile (Bio)Functionalization of Bromo-Terminated Phosphonate-Modified Porous Aluminum Oxide. Langmuir, 2015, 31, 5633-5644.	3.5	10
22	Versatile Scope of a Masked Aldehyde Nitrone in 1,3-Dipolar Cycloadditions. Organic Letters, 2015, 17, 5550-5553.	4.6	26
23	Continuous-Flow Alcohol Protection and Deprotection Reactions Catalyzed by Silica-Supported Sulfonic Acid. Journal of Flow Chemistry, 2015, 5, 95-100.	1.9	3
24	Clickable Mesoporous Silica via Functionalization with 1,Ï‰â€Alkenes. Advanced Materials Interfaces, 2014, 1, 1300061.	3.7	4
25	Innentitelbild: A Protein-Based Pentavalent Inhibitor of the Cholera Toxin B-Subunit (Angew. Chem.) Tj ETQq1 1 0.784314 rgBT /Overl	2.0	0
26	A Proteinâ€Based Pentavalent Inhibitor of the Cholera Toxin Bâ€Subunit. Angewandte Chemie - International Edition, 2014, 53, 8323-8327.	13.8	57
27	Mechanism-Based Inhibitors of Glycosidases. Advances in Carbohydrate Chemistry and Biochemistry, 2014, 71, 297-338.	0.9	32
28	Hydrolytic and Thermal Stability of Organic Monolayers on Various Inorganic Substrates. Langmuir, 2014, 30, 5829-5839.	3.5	86
29	Stability of (Bio)Functionalized Porous Aluminum Oxide. Langmuir, 2014, 30, 1311-1320.	3.5	38
30	Ambient Surface Analysis of Organic Monolayers using Direct Analysis in Real Time Orbitrap Mass Spectrometry. Analytical Chemistry, 2014, 86, 2403-2411.	6.5	28
31	Identification and Development of Biphenyl Substituted Iminosugars as Improved Dual Glucosylceramide Synthase/Neutral Glucosylceramidase Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 9096-9104.	6.4	43
32	Microwave-Assisted Formation of Organic Monolayers from 1-Alkenes on Silicon Carbide. Langmuir, 2014, 30, 10562-10565.	3.5	7
33	Multivalent glycoconjugates as anti-pathogenic agents. Chemical Society Reviews, 2013, 42, 4709-4727.	38.1	464
34	Mechanism-Based Covalent Neuraminidase Inhibitors with Broad-Spectrum Influenza Antiviral Activity. Science, 2013, 340, 71-75.	12.6	175
35	Electronic Effects versus Distortion Energies During Strainâ€Promoted Alkyneâ€Azide Cycloadditions: A Theoretical Tool to Predict Reaction Kinetics. European Journal of Organic Chemistry, 2013, 2013, 3712-3720.	2.4	24
36	Nanomolar cholera toxininhibitors based on symmetrical pentavalent ganglioside GM1os-sym-corannulenes. Organic and Biomolecular Chemistry, 2013, 11, 4333-4339.	2.8	27

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37	Picomolar inhibition of cholera toxin by a pentavalent ganglioside GM1os-calix[5]arene. Organic and Biomolecular Chemistry, 2013, 11, 4340-4349.	2.8	50
38	Structural and mechanistic insight into N-glycan processing by endo-Î±-mannosidase. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 781-786.	7.1	74
39	The Development of an Azaâ€Câ€Glycoside Library Based on a Tandem Staudinger/Azaâ€Wittig/Ugi Threeâ€Component Reaction. European Journal of Organic Chemistry, 2012, 2012, 6420-6454.	2.4	26
40	Assessment of Partially Deoxygenated Deoxynojirimycin Derivatives as Glucosylceramide Synthase Inhibitors. ACS Medicinal Chemistry Letters, 2011, 2, 519-522.	2.8	23
41	The cytosolic Î²-glucosidase GBA3 does not influence type 1 Gaucher disease manifestation. Blood Cells, Molecules, and Diseases, 2011, 46, 19-26.	1.4	45
42	Chemoenzymatic synthesis of biotin-appended analogues of gangliosides GM2, GM1, GD1a and GalNAc-GD1a for solid-phase applications and improved ELISA tests. Organic and Biomolecular Chemistry, 2011, 9, 5809.	2.8	8
43	Glycosphingolipids and Insulin Resistance. Advances in Experimental Medicine and Biology, 2011, 721, 99-119.	1.6	48
44	Synthesis and Evaluation of Lipophilic Azaâ€Câ€glycosides as Inhibitors of Glucosylceramide Metabolism. European Journal of Organic Chemistry, 2010, 2010, 1258-1283.	2.4	43
45	A Preparative Synthesis of Human Chitinase Fluorogenic Substrate (4â€²â€Deoxychitobiosyl)â€4â€methylumbelliferone. European Journal of Organic Chemistry, 2010, 2010, 2565-2570.	2.4	5
46	Getting lucky in the lysosome. Nature Chemical Biology, 2010, 6, 881-883.	8.0	2
47	Dual-Action Lipophilic Iminosugar Improves Glycemic Control in Obese Rodents by Reduction of Visceral Glycosphingolipids and Buffering of Carbohydrate Assimilation. Journal of Medicinal Chemistry, 2010, 53, 689-698.	6.4	90
48	Glycosphingolipidsâ€”Nature, Function, and Pharmacological Modulation. Angewandte Chemie - International Edition, 2009, 48, 8848-8869.	13.8	245
49	Synthesis and evaluation of dimeric lipophilic iminosugars as inhibitors of glucosylceramide metabolism. Tetrahedron: Asymmetry, 2009, 20, 836-846.	1.8	36
50	The Effect of Lewis Acids on the Stereochemistry in the Ugi Threeâ€Component Reaction with <scp>D</scp>â€lyxoâ€Pyrroline. European Journal of Organic Chemistry, 2008, 2008, 3678-3688.	2.4	50
51	Large-Scale Synthesis of the Glucosylceramide Synthase Inhibitor N-[5-(Adamantan-1-yl-methoxy)-pentyl]-1-deoxynojirimycin. Organic Process Research and Development, 2008, 12, 414-423.	2.7	42
52	Identification of the Non-lysosomal Glucosylceramidase as Î²-Glucosidase 2. Journal of Biological Chemistry, 2007, 282, 1305-1312.	3.4	156
53	Pharmacological Inhibition of Glucosylceramide Synthase Enhances Insulin Sensitivity. Diabetes, 2007, 56, 1341-1349.	0.6	280
54	N-Azidoacetylmannosamine-mediated chemical tagging of gangliosides. Journal of Lipid Research, 2007, 48, 1417-1421.	4.2	23

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55	Development of Adamantan-1-yl-methoxy-Functionalized 1-Deoxynojirimycin Derivatives as Selective Inhibitors of Glucosylceramide Metabolism in Man. Journal of Organic Chemistry, 2007, 72, 1088-1097.	3.2	124
56	Transformation of Carbohydrate Derived 4-Azidopentanals Into Highly Functionalized PyrrolidinesVia a Tandem Staudinger/aza-Wittig/Ugi Multicomponent Reaction. QSAR and Combinatorial Science, 2006, 25, 491-503.	1.4	27
57	Glycosylation of Cyclitols: Synthesis of Neamine-Type Aminoglycosides. European Journal of Organic Chemistry, 2004, 2004, 2404-2410.	2.4	8
58	Synthesis of orthogonally protected 2-deoxystreptamine stereoisomers. Tetrahedron, 2004, 60, 2813-2822.	1.9	21