

Peter H Seeberger

List of Publications by Year in descending order

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Version: 2024-02-01

559
papers

33,212
citations

3325

91
h-index

8370

147
g-index

598
all docs

598
docs citations

598
times ranked

22840
citing authors

#	ARTICLE	IF	CITATIONS
1	Artemisinin inhibits NRas palmitoylation by targeting the protein acyltransferase ZDHHC6. <i>Cell Chemical Biology</i> , 2022, 29, 530-537.e7.	2.5	14
2	Automated Synthesis of Chondroitin Sulfate Oligosaccharides. <i>Methods in Molecular Biology</i> , 2022, 2303, 319-327.	0.4	2
3	Druggable Allosteric Sites in β -Propeller Lectins. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202109339.	7.2	12
4	Druggable Allosteric sites in β -propeller lectins. <i>Angewandte Chemie</i> , 2022, 134, e202109339.	1.6	0
5	Glycan Microarrays Containing Synthetic <i>Streptococcus pneumoniae</i> CPS Fragments and Their Application to Vaccine Development. <i>Methods in Molecular Biology</i> , 2022, 2460, 193-206.	0.4	1
6	Expedited synthesis of mannose-6-phosphate containing oligosaccharides. <i>Carbohydrate Research</i> , 2022, 511, 108489.	1.1	9
7	On resin synthesis of sulfated oligosaccharides. <i>Chemical Science</i> , 2022, 13, 2115-2120.	3.7	23
8	Towards a Systematic Understanding of the Influence of Temperature on Glycosylation Reactions. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	19
9	A semisynthetic glycoconjugate provides expanded cross-serotype protection against <i>Streptococcus pneumoniae</i> . <i>Vaccine</i> , 2022, 40, 1038-1046.	1.7	2
10	Sialylated N-glycans mediate monocyte uptake of extracellular vesicles secreted from <i>Plasmodium falciparum</i> -infected red blood cells. , 2022, 1, .		6
11	Genome-wide CRISPR screen reveals CLPTM1L as a lipid scramblase required for efficient glycosylphosphatidylinositol biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2115083119.	3.3	10
12	Synthesis of Oligosaccharides Resembling the <i>Streptococcus suis</i> Serotype 18 Capsular Polysaccharide as a Basis for Glycoconjugate Vaccine Development. <i>Organic Letters</i> , 2022, 24, 2371-2375.	2.4	8
13	Neighboring Group Participation of Benzoyl Protecting Groups in C3- and C6-Fluorinated Glucose. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	10
14	Synthetic Glyconanoparticles Modulate Innate Immunity but Not the Complement System. <i>ACS Applied Bio Materials</i> , 2022, 5, 2185-2192.	2.3	4
15	Targeting undruggable carbohydrate recognition sites through focused fragment library design. <i>Communications Chemistry</i> , 2022, 5, .	2.0	9
16	Generation of glycan-specific nanobodies. <i>Cell Chemical Biology</i> , 2022, , .	2.5	8
17	Bottom-Up Approach to Understand Chirality Transfer across Scales in Cellulose Assemblies. <i>Journal of the American Chemical Society</i> , 2022, 144, 12469-12475.	6.6	21
18	Synthetic phosphoethanolamine-modified oligosaccharides reveal the importance of glycan length and substitution in biofilm-inspired assemblies. <i>Nature Communications</i> , 2022, 13, .	5.8	5

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19	Systematic Structural Characterization of Chitooligosaccharides Enabled by Automated Glycan Assembly. <i>Chemistry - A European Journal</i> , 2021, 27, 2321-2325.	1.7	17
20	<i>In vivo</i> dual fluorescence imaging of mucin 1 and its glycoform in tumor cells. <i>Nanoscale</i> , 2021, 13, 15067-15073.	2.8	7
21	Predicting glycosylation stereoselectivity using machine learning. <i>Chemical Science</i> , 2021, 12, 2931-2939.	3.7	37
22	Visible-Light-Mediated Oxidative Debenzylation Enables the Use of Benzyl Ethers as Temporary Protecting Groups. <i>Organic Letters</i> , 2021, 23, 514-518.	2.4	36
23	Combining radial and continuous flow synthesis to optimize and scale-up the production of medicines. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 220-224.	1.9	15
24	Non-toxic Glycosylated Gold Nanoparticle-Amphotericin B Conjugates Reduce Biofilms and Intracellular Burden of Fungi and Parasites. <i>Advanced Therapeutics</i> , 2021, 4, 2000293.	1.6	7
25	Analysis of Synthetic Monodisperse Polysaccharides by Wide Mass Range Ultrahigh-Resolution MALDI Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 4666-4675.	3.2	19
26	Zwitterionic Character and Lipid Composition Determine the Behaviour of Glycosylphosphatidylinositol Fragments in Monolayers. <i>ChemPhysChem</i> , 2021, 22, 757-763.	1.0	1
27	Longitudinal Development of Antibody Responses in COVID-19 Patients of Different Severity with ELISA, Peptide, and Glycan Arrays: An Immunological Case Series. <i>Pathogens</i> , 2021, 10, 438.	1.2	21
28	Discovery of Semi- and Fully-Synthetic Carbohydrate Vaccines Against Bacterial Infections Using a Medicinal Chemistry Approach. <i>Chemical Reviews</i> , 2021, 121, 3598-3626.	23.0	91
29	Discovery of Oligosaccharide Antigens for Semi-Synthetic Glycoconjugate Vaccine Leads against <i>Streptococcus suis</i> Serotypes 2, 3, 9 and ...14**. <i>Angewandte Chemie</i> , 2021, 133, 14800-14813.	1.6	4
30	Automated Glycan Assembly of Oligogalactofuranosides Reveals the Influence of Protecting Groups on Oligosaccharide Stability. <i>Journal of Organic Chemistry</i> , 2021, 86, 7280-7287.	1.7	6
31	Discovery of Oligosaccharide Antigens for Semi-Synthetic Glycoconjugate Vaccine Leads against <i>Streptococcus suis</i> Serotypes 2, 3, 9 and ...14**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14679-14692.	7.2	17
32	Noncovalent microarrays from synthetic amino-terminating glycans: Implications in expanding glycan microarray diversity and platform comparison. <i>Glycobiology</i> , 2021, 31, 931-946.	1.3	6
33	Automated Glycan Assembly of ¹⁹ F-labeled Glycan Probes Enables High-Throughput NMR Studies of Protein-Glycan Interactions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13302-13309.	7.2	21
34	Automatisierte Glykan-Assemblierung 19 F-markierter Glykansonden ermöglicht Hochdurchsatz-NMR-Untersuchungen von Protein-Glykan-Interaktionen. <i>Angewandte Chemie</i> , 2021, 133, 13414-13421.	1.6	4
35	Microwave-Assisted Automated Glycan Assembly. <i>Journal of the American Chemical Society</i> , 2021, 143, 8893-8901.	6.6	22
36	Defining the Qualities of High-Quality Palladium on Carbon Catalysts for Hydrogenolysis. <i>Organic Process Research and Development</i> , 2021, 25, 1573-1578.	1.3	25

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37	Identifying the origin of local flexibility in a carbohydrate polymer. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	27
38	Automated Assembly of Starch and Glycogen Polysaccharides. Journal of the American Chemical Society, 2021, 143, 9758-9768.	6.6	54
39	In vitro efficacy of artemisinin-based treatments against SARS-CoV-2. Scientific Reports, 2021, 11, 14571.	1.6	53
40	Unveiling the Sugary Secrets of Plasmodium Parasites. Frontiers in Microbiology, 2021, 12, 712538.	1.5	12
41	Lectin-Mediated Bacterial Modulation by the Intestinal Nematode Ascaris suum. International Journal of Molecular Sciences, 2021, 22, 8739.	1.8	2
42	Targeted Chemical Modifications Identify Key Features of Carbohydrate Assemblies and Generate Tailored Carbohydrate Materials. Chemistry - A European Journal, 2021, 27, 13139-13143.	1.7	9
43	Evaluation of Multivalent Sialylated Polyglycerols for Resistance Induction in and Broad Antiviral Activity against Influenza A Viruses. Journal of Medicinal Chemistry, 2021, 64, 12774-12789.	2.9	11
44	In vitro efficacy of Artemisia extracts against SARS-CoV-2. Virology Journal, 2021, 18, 182.	1.4	39
45	Semi- and fully synthetic carbohydrate vaccines against pathogenic bacteria: recent developments. Biochemical Society Transactions, 2021, 49, 2411-2429.	1.6	11
46	Comparative structural, biophysical, and receptor binding study of true type and wild type AAV2. Journal of Structural Biology, 2021, 213, 107795.	1.3	3
47	Automated Oligosaccharide Synthesis: The Past, Present, and Future. , 2021, , 561-601.		3
48	Automated glycan assembly of peptidoglycan backbone fragments. Organic and Biomolecular Chemistry, 2021, 19, 9829-9832.	1.5	3
49	Probing Multivalent Carbohydrate-Protein Interactions With On-Chip Synthesized Glycopeptides Using Different Functionalized Surfaces. Frontiers in Chemistry, 2021, 9, 766932.	1.8	6
50	Position Matters: Fluorescent Positional Isomers for Reliable Multichannel Encryption Devices. Chemistry - A European Journal, 2021, 27, 16098-16102.	1.7	6
51	Rescue of Glycosylphosphatidylinositol-Anchored Protein Biosynthesis Using Synthetic Glycosylphosphatidylinositol Oligosaccharides. ACS Chemical Biology, 2021, 16, 2297-2306.	1.6	13
52	Total Syntheses of Conjugation-Ready Repeating Units of <i>Acinetobacter baumannii</i> AB5075 for Glycoconjugate Vaccine Development. Chemistry - A European Journal, 2021, 27, 17444-17451.	1.7	11
53	A Remote Secondary Binding Pocket Promotes Heteromultivalent Targeting of DC-SIGN. Journal of the American Chemical Society, 2021, 143, 18977-18988.	6.6	15
54	Click, Zoom, Explore: Interactive 3D (i-3D) Figures in Standard Teaching Materials (PDFs). Journal of Chemical Education, 2021, 98, 3470-3475.	1.1	0

#	ARTICLE	IF	CITATIONS
55	The Flexibility of Oligosaccharides Unveiled Through Residual Dipolar Coupling Analysis. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 784318.	1.6	7
56	Targeting the Central Pocket of the <i>Pseudomonas aeruginosa</i> Lectin LecA. <i>ChemBioChem</i> , 2021, , .	1.3	12
57	Helical polysaccharides. <i>Peptide Science</i> , 2020, 112, e24124.	1.0	34
58	Structural Studies Using Unnatural Oligosaccharides: Toward Sugar Foldamers. <i>Biomacromolecules</i> , 2020, 21, 18-29.	2.6	24
59	Immunological Evaluation of Synthetic Glycosylphosphatidylinositol Glycoconjugates as Vaccine Candidates against Malaria. <i>ACS Chemical Biology</i> , 2020, 15, 171-178.	1.6	9
60	Photochemical Strategies for Carbon-Heteroatom Bond Formation. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1379-1392.	1.2	44
61	Thermodynamic and Structural Behavior of Galactosylceramide and C6-Functionalized GalCer in 2D Layers at the Air-Liquid Interface. <i>ChemBioChem</i> , 2020, 21, 241-247.	1.3	2
62	Targeted photodynamic therapy with a novel photosensitizer cercosporin encapsulated multifunctional copolymer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 585, 124136.	2.3	8
63	Total synthesis of the <i>Helicobacter pylori</i> serotype O2 O-antigen (1-2)- and (1-3)-linked oligoglucosides. <i>Chemical Communications</i> , 2020, 56, 344-347.	2.2	29
64	Synthesis of <i>Streptococcus pneumoniae</i> serotype 9V oligosaccharide antigens. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1693-1699.	1.3	4
65	Semisynthesis of Functional Glycosylphosphatidylinositol-Anchored Proteins. <i>Angewandte Chemie</i> , 2020, 132, 12133-12138.	1.6	2
66	The Impact of Leaving Group Anomericity on the Structure of Glycosyl Cations of Protected Galactosides. <i>ChemPhysChem</i> , 2020, 21, 1905-1907.	1.0	15
67	Gut microbiota-specific IgA ⁺ B cells traffic to the CNS in active multiple sclerosis. <i>Science Immunology</i> , 2020, 5, .	5.6	132
68	Exploring the Molecular Conformation Space by Soft Molecule-Surface Collision. <i>Journal of the American Chemical Society</i> , 2020, 142, 21420-21427.	6.6	41
69	Glycoconjugates for glucose transporter-mediated cancer-specific targeting and treatment. <i>Carbohydrate Research</i> , 2020, 498, 108195.	1.1	33
70	Total synthesis of D-glycero-D-manno-heptose 1,7-bisphosphate with 3-O-allyl amine linker and its monophosphate derivative. <i>Chinese Journal of Natural Medicines</i> , 2020, 18, 628-632.	0.7	7
71	Chemical Synthesis Elucidates the Key Antigenic Epitope of the Autism-Related Bacterium <i>Clostridium botulinum</i> Capsular Octadecasaccharide. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20529-20537.	7.2	26
72	Chemical synthesis of the <i>Pseudomonas aeruginosa</i> O11 O-antigen trisaccharide based on neighboring electron-donating effect. <i>Journal of Carbohydrate Chemistry</i> , 2020, 39, 374-397.	0.4	6

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73	Supramolecular Assembly and Chirality of Synthetic Carbohydrate Materials. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22577-22583.	7.2	23
74	Targeting and Inhibiting <i>Plasmodium falciparum</i> Using Ultra-small Gold Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43380-43387.	4.0	31
75	Sequential Linkage of Carbohydrate Antigens to Mimic Capsular Polysaccharides: Toward Semisynthetic Glycoconjugate Vaccine Candidates against <i>Streptococcus pneumoniae</i> Serotype 14. <i>ACS Chemical Biology</i> , 2020, 15, 2395-2405.	1.6	11
76	Supramolecular Assembly and Chirality of Synthetic Carbohydrate Materials. <i>Angewandte Chemie</i> , 2020, 132, 22766-22772.	1.6	12
77	Chemical Synthesis Elucidates the Key Antigenic Epitope of the Autism-Related Bacterium <i>Clostridium botteae</i> Capsular Octadecasaccharide. <i>Angewandte Chemie</i> , 2020, 132, 20710-20718.	1.6	2
78	Advances in the Chemical Synthesis of Carbohydrates and Glycoconjugates. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2020, 175, 201-230.	0.6	4
79	Direct Experimental Characterization of the Ferrier Glycosyl Cation in the Gas Phase. <i>Organic Letters</i> , 2020, 22, 8916-8919.	2.4	21
80	How to approach flow chemistry. <i>Chemical Society Reviews</i> , 2020, 49, 8910-8932.	18.7	131
81	Chemical Synthesis and Immunological Evaluation of <i>Helicobacter pylori</i> Serotype O6 Tridecasaccharide O-Antigen Containing a d-Heptoglycan. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13362-13370.	7.2	31
82	Nanovesicles displaying functional linear and branched oligomannose self-assembled from sequence-defined Janus glycodendrimers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11931-11939.	3.3	37
83	Automated Glycan Assembly in a Variable-Bed Flow Reactor Provides Insights into Oligosaccharide-Resin Interactions. <i>Organic Letters</i> , 2020, 22, 4213-4216.	2.4	10
84	Glycan-dependent cell adhesion mechanism of Tc toxins. <i>Nature Communications</i> , 2020, 11, 2694.	5.8	24
85	Chemical Synthesis and Immunological Evaluation of <i>Helicobacter pylori</i> Serotype O6 Tridecasaccharide O-Antigen Containing a d-Heptoglycan. <i>Angewandte Chemie</i> , 2020, 132, 13464-13472.	1.6	4
86	Evidence for Photocatalyst Involvement in Oxidative Additions of Nickel-Catalyzed Carboxylate <i>O</i> -Arylations. <i>Journal of the American Chemical Society</i> , 2020, 142, 11042-11049.	6.6	46
87	Imaging single glycans. <i>Nature</i> , 2020, 582, 375-378.	13.7	72
88	Materials science based on synthetic polysaccharides. <i>Materials Horizons</i> , 2020, 7, 963-969.	6.4	15
89	Automated radial synthesis of organic molecules. <i>Nature</i> , 2020, 579, 379-384.	13.7	140
90	Fabrication of Glyco-Metal-Organic Frameworks for Targeted Interventional Photodynamic/Chemotherapy for Hepatocellular Carcinoma through Percutaneous Transperitoneal Puncture. <i>Advanced Functional Materials</i> , 2020, 30, 1910084.	7.8	52

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91	Fernpartizipation in Glykosylierungen von Galaktose-Bausteinen: Direktnachweis durch kryogene Schwingungsspektroskopie. <i>Angewandte Chemie</i> , 2020, 132, 6224-6229.	1.6	17
92	Chimeric oligosaccharide conjugate induces opsonic antibodies against <i>Streptococcus pneumoniae</i> serotypes 19A and 19F. <i>Chemical Science</i> , 2020, 11, 7401-7407.	3.7	10
93	Peptide Engineering Meeting 8. <i>Peptide Science</i> , 2020, 112, e24146.	1.0	0
94	Remote Participation during Glycosylation Reactions of Galactose Building Blocks: Direct Evidence from Cryogenic Vibrational Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6166-6171.	7.2	76
95	Automated access to well-defined ionic oligosaccharides. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 1349-1353.	1.5	14
96	Visible-light mediated oxidative ring expansion of anellated cyclopropanes to fused endoperoxides with antimalarial activity. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1789-1795.	2.3	21
97	Total Synthesis of Polysaccharides by Automated Glycan Assembly. <i>Journal of the American Chemical Society</i> , 2020, 142, 8561-8564.	6.6	137
98	Discrimination of β -1,4- and β -1,3-Linkages in Native Oligosaccharides via Charge Transfer Dissociation Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1249-1259.	1.2	19
99	Semisynthesis of Functional Glycosylphosphatidylinositol-Anchored Proteins. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12035-12040.	7.2	15
100	On-Chip Neo-Glycopeptide Synthesis for Multivalent Glycan Presentation. <i>Chemistry - A European Journal</i> , 2020, 26, 9954-9963.	1.7	18
101	Combination therapy with amphotericin B and doxorubicin encapsulated in mannosylated nanomicelles for visceral leishmaniasis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 598, 124804.	2.3	10
102	Energy-Efficient Solar Photochemistry with Luminescent Solar Concentrator Based Photomicroreactors. <i>Angewandte Chemie</i> , 2019, 131, 14512-14516.	1.6	18
103	Advancing Solutions to the Carbohydrate Sequencing Challenge. <i>Journal of the American Chemical Society</i> , 2019, 141, 14463-14479.	6.6	108
104	Detection of Anti-Toxoplasma gondii Antibodies in Human Sera Using Synthetic Glycosylphosphatidylinositol Glycans on a Bead-Based Multiplex Assay. <i>Analytical Chemistry</i> , 2019, 91, 11215-11222.	3.2	9
105	Systematic Hydrogen-Bond Manipulations To Establish Polysaccharide Structure-Property Correlations. <i>Angewandte Chemie</i> , 2019, 131, 13261-13266.	1.6	35
106	Energy-Efficient Solar Photochemistry with Luminescent Solar Concentrator Based Photomicroreactors. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14374-14378.	7.2	80
107	Multivalent glycan arrays. <i>Faraday Discussions</i> , 2019, 219, 9-32.	1.6	26
108	Systematic Hydrogen-Bond Manipulations To Establish Polysaccharide Structure-Property Correlations. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13127-13132.	7.2	76

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109	The C-type Lectin Receptor CLEC12A Recognizes Plasmodial Hemozoin and Contributes to Cerebral Malaria Development. <i>Cell Reports</i> , 2019, 28, 30-38.e5.	2.9	39
110	Mucins and Pathogenic Mucin-Like Molecules Are Immunomodulators During Infection and Targets for Diagnostics and Vaccines. <i>Frontiers in Chemistry</i> , 2019, 7, 710.	1.8	38
111	Synthetic Oligosaccharide-Based Vaccines Protect Mice from <i>Clostridioides difficile</i> Infections. <i>ACS Chemical Biology</i> , 2019, 14, 2720-2728.	1.6	16
112	Microbe-focused glycan array screening platform. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1958-1967.	3.3	71
113	MAIT cells as attractive vaccine targets. <i>FEBS Letters</i> , 2019, 593, 1627-1640.	1.3	27
114	Practical considerations for printing high-density glycan microarrays to study weak carbohydrate-protein interactions. <i>Carbohydrate Research</i> , 2019, 481, 31-35.	1.1	10
115	Semiheterogeneous Dual Nickel/Photocatalytic (Thio)etherification Using Carbon Nitrides. <i>Organic Letters</i> , 2019, 21, 5331-5334.	2.4	92
116	Carbohydrate-based nanomaterials for biomedical applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2019, 11, e1558.	3.3	58
117	Traceless Photolabile Linker Expedites the Chemical Synthesis of Complex Oligosaccharides by Automated Glycan Assembly. <i>Journal of the American Chemical Society</i> , 2019, 141, 9079-9086.	6.6	41
118	Semiheterogene duale Nickel/Photokatalyse mit Kohlenstoffnitriden: Veresterung von Carbonsäuren mit Arylhalogeniden. <i>Angewandte Chemie</i> , 2019, 131, 9676-9681.	1.6	20
119	Semiheterogeneous Dual Nickel/Photocatalysis using Carbon Nitrides: Esterification of Carboxylic Acids with Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9575-9580.	7.2	108
120	Automated glycan assembly of Lewis type I and II oligosaccharide antigens. <i>Chemical Science</i> , 2019, 10, 5634-5640.	3.7	32
121	Automated Glycan Assembly: A Perspective. <i>Journal of the American Chemical Society</i> , 2019, 141, 5581-5592.	6.6	134
122	Oligosaccharides Self-Assemble and Show Intrinsic Optical Properties. <i>Journal of the American Chemical Society</i> , 2019, 141, 4833-4838.	6.6	57
123	Synthesis of photolabile protecting group (PPG) protected uronic acid building blocks: applications in carbohydrate synthesis with the assistance of a continuous flow photoreactor. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3859-3863.	2.3	11
124	Symbionts exploit complex signaling to educate the immune system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26157-26166.	3.3	88
125	Safe and Scalable Continuous Flow Azidophenylselenylation of Galactal to Prepare Galactosamine Building Blocks. <i>Organic Process Research and Development</i> , 2019, 23, 2764-2770.	1.3	12
126	Automated glycan assembly of arabinomannan oligosaccharides from <i>Mycobacterium tuberculosis</i> . <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2936-2940.	1.3	14

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127	Real-time monitoring of solid-phase peptide synthesis using a variable bed flow reactor. <i>Chemical Communications</i> , 2019, 55, 14598-14601.	2.2	36
128	High-density Peptide Arrays Help to Identify Linear Immunogenic B-cell Epitopes in Individuals Naturally Exposed to Malaria Infection. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 642-656.	2.5	29
129	Literally Green Chemical Synthesis of Artemisinin from Plant Extracts. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5525-5528.	7.2	62
130	A Capping Step During Automated Glycan Assembly Enables Access to Complex Glycans in High Yield. <i>Chemistry - A European Journal</i> , 2018, 24, 6075-6078.	1.7	28
131	Fucose Migration in Intact Protonated Glycan Ions: A Universal Phenomenon in Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7440-7443.	7.2	51
132	Flagellin Glycoproteomics of the Periodontitis Associated Pathogen <i>Selenomonas sputigena</i> Reveals Previously Not Described O-glycans and Rhamnose Fragment Rearrangement Occurring on the Glycopeptides. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 721-736.	2.5	16
133	Well-Defined Oligo- and Polysaccharides as Ideal Probes for Structural Studies. <i>Journal of the American Chemical Society</i> , 2018, 140, 5421-5426.	6.6	82
134	Novel, Broadly Reactive Anticapsular Antibodies against Carbapenem-Resistant <i>Klebsiella pneumoniae</i> Protect from Infection. <i>MBio</i> , 2018, 9, .	1.8	44
135	High affinity sugar ligands of C-type lectin receptor langerin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1592-1601.	1.1	26
136	Kontinuierliche heterogene Photokatalyse in seriellen Mikro-Batch-Reaktoren. <i>Angewandte Chemie</i> , 2018, 130, 10127-10131.	1.6	23
137	Total Synthesis of a Densely Functionalized <i>Plesiomonas shigelloides</i> Serotype 51 Aminoglycoside Trisaccharide Antigen. <i>Journal of the American Chemical Society</i> , 2018, 140, 3120-3127.	6.6	61
138	Continuous Heterogeneous Photocatalysis in Serial Micro-Batch Reactors. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9976-9979.	7.2	134
139	Identification of the Minimal Glycotope of <i>Streptococcus pneumoniae</i> 7F Capsular Polysaccharide using Synthetic Oligosaccharides. <i>Chemistry - A European Journal</i> , 2018, 24, 4181-4187.	1.7	17
140	Synergistic Glycosylation as Key to the Chemical Synthesis of an Outer Core Octasaccharide of <i>Helicobacter pylori</i> . <i>Chemistry - A European Journal</i> , 2018, 24, 2868-2872.	1.7	27
141	Synthesis of Galactosylated Glycosylphosphatidylinositol Derivatives from <i>Trypanosoma brucei</i> . <i>Chemistry - A European Journal</i> , 2018, 24, 3271-3282.	1.7	9
142	Automated glycan assembly as an enabling technology. <i>Current Opinion in Chemical Biology</i> , 2018, 46, 48-55.	2.8	48
143	Wirklich grüne Synthese von Artemisinin aus Pflanzenextrakt. <i>Angewandte Chemie</i> , 2018, 130, 5623-5626.	1.6	6
144	Development of an Efficacious, Semisynthetic Glycoconjugate Vaccine Candidate against <i>Streptococcus pneumoniae</i> Serotype 1. <i>ACS Central Science</i> , 2018, 4, 357-361.	5.3	42

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