

Peter H Seeberger

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.

556
papers

26,790
citations

82
h-index

135
g-index

598
ext. papers

30,176
ext. citations

8.8
avg, IF

7.63
L-index

#	Paper	IF	Citations
556	On resin synthesis of sulfated oligosaccharides.. <i>Chemical Science</i> , 2022 , 13, 2115-2120	9.4	3
555	A semisynthetic glycoconjugate provides expanded cross-serotype protection against <i>Streptococcus pneumoniae</i> .. <i>Vaccine</i> , 2022 , 40, 1038-1038	4.1	
554	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	1.4	1
553	Automated Synthesis of Chondroitin Sulfate Oligosaccharides. <i>Methods in Molecular Biology</i> , 2022 , 2303, 319-327	1.4	1
552	Allosterische, Wirkstoff-zugängliche Bindestellen in Propeller-Lektinen. <i>Angewandte Chemie</i> , 2022 , 134, e202109339	3.6	
551	Sialylated N -glycans mediate monocyte uptake of extracellular vesicles secreted from <i>Plasmodium falciparum</i> -infected red blood cells 2022 , 1,		0
550	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	11.5	1
549	Expedited synthesis of mannose-6-phosphate containing oligosaccharides.. <i>Carbohydrate Research</i> , 2021 , 511, 108489	2.9	1
548	A Remote Secondary Binding Pocket Promotes Heteromultivalent Targeting of DC-SIGN. <i>Journal of the American Chemical Society</i> , 2021 , 143, 18977-18988	16.4	2
547	Click, Zoom, Explore: Interactive 3D (i-3D) Figures in Standard Teaching Materials (PDFs). <i>Journal of Chemical Education</i> , 2021 , 98, 3470-3475	2.4	
546	The Flexibility of Oligosaccharides Unveiled Through Residual Dipolar Coupling Analysis. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 784318	5.6	0
545	Targeting the Central Pocket of the <i>Pseudomonas aeruginosa</i> Lectin LecA. <i>ChemBioChem</i> , 2021 ,	3.8	2
544	Automated glycan assembly of peptidoglycan backbone fragments. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 9829-9832	3.9	2
543	Probing Multivalent Carbohydrate-Protein Interactions With On-Chip Synthesized Glycopeptides Using Different Functionalized Surfaces. <i>Frontiers in Chemistry</i> , 2021 , 9, 766932	5	0
542	Position Matters: Fluorescent Positional Isomers for Reliable Multichannel Encryption Devices. <i>Chemistry - A European Journal</i> , 2021 , 27, 16098-16102	4.8	2
541	Rescue of Glycosylphosphatidylinositol-Anchored Protein Biosynthesis Using Synthetic Glycosylphosphatidylinositol Oligosaccharides. <i>ACS Chemical Biology</i> , 2021 , 16, 2297-2306	4.9	2
540	Total Syntheses of Conjugation-Ready Repeating Units of <i>Acinetobacter baumannii</i> AB5075 for Glycoconjugate Vaccine Development. <i>Chemistry - A European Journal</i> , 2021 , 27, 17444-17451	4.8	1

539	Druggable Allosteric Sites in EPropeller Lectins. <i>Angewandte Chemie - International Edition</i> , 2021 , 61, e202109339	16.4	2
538	Advances in the Chemical Synthesis of Carbohydrates and Glycoconjugates. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2021 , 175, 201-230	1.7	0
537	Analysis of Synthetic Monodisperse Polysaccharides by Wide Mass Range Ultrahigh-Resolution MALDI Mass Spectrometry. <i>Analytical Chemistry</i> , 2021 , 93, 4666-4675	7.8	7
536	Zwitterionic Character and Lipid Composition Determine the Behaviour of Glycosylphosphatidylinositol Fragments in Monolayers. <i>ChemPhysChem</i> , 2021 , 22, 757-763	3.2	
535	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,	4.5	8
534	Discovery of Semi- and Fully-Synthetic Carbohydrate Vaccines Against Bacterial Infections Using a Medicinal Chemistry Approach. <i>Chemical Reviews</i> , 2021 , 121, 3598-3626	68.1	19
533	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	3.6	2
532	Automated Glycan Assembly of Oligogalactofuranosides Reveals the Influence of Protecting Groups on Oligosaccharide Stability. <i>Journal of Organic Chemistry</i> , 2021 , 86, 7280-7287	4.2	1
531	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	16.4	8
530	Noncovalent microarrays from synthetic amino-terminating glycans: Implications in expanding glycan microarray diversity and platform comparison. <i>Glycobiology</i> , 2021 , 31, 931-946	5.8	2
529	Automated Glycan Assembly of F-labeled Glycan Probes Enables High-Throughput NMR Studies of Protein-Glycan Interactions. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13302-13309	16.4	6
528	Automatisierte Glykan-Assemblierung 19F-markierter Glykansonen ermöglicht Hochdurchsatz-NMR-Untersuchungen von Protein-Glykan-Interaktionen. <i>Angewandte Chemie</i> , 2021 , 133, 13414-13421	3.6	2
527	Microwave-Assisted Automated Glycan Assembly. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8893-8901	16.4	5
526	Defining the Qualities of High-Quality Palladium on Carbon Catalysts for Hydrogenolysis. <i>Organic Process Research and Development</i> , 2021 , 25, 1573-1578	3.9	7
525	Identifying the origin of local flexibility in a carbohydrate polymer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	12
524	Automated Assembly of Starch and Glycogen Polysaccharides. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9758-9768	16.4	10
523	In vitro efficacy of artemisinin-based treatments against SARS-CoV-2. <i>Scientific Reports</i> , 2021 , 11, 14571	4.9	18
522	Systematic Structural Characterization of Chitooligosaccharides Enabled by Automated Glycan Assembly. <i>Chemistry - A European Journal</i> , 2021 , 27, 2321-2325	4.8	7

521	dual fluorescence imaging of mucin 1 and its glycoform in tumor cells. <i>Nanoscale</i> , 2021 , 13, 15067-15073	7.7	2
520	Visible-Light-Mediated Oxidative Debenzylation Enables the Use of Benzyl Ethers as Temporary Protecting Groups. <i>Organic Letters</i> , 2021 , 23, 514-518	6.2	15
519	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	4.9	4
518	Non-Toxic Glycosylated Gold Nanoparticle-Amphotericin B Conjugates Reduce Biofilms and Intracellular Burden of Fungi and Parasites. <i>Advanced Therapeutics</i> , 2021 , 4, 2000293	4.9	2
517	Unveiling the Sugary Secrets of Parasites. <i>Frontiers in Microbiology</i> , 2021 , 12, 712538	5.7	3
516	Targeted Chemical Modifications Identify Key Features of Carbohydrate Assemblies and Generate Tailored Carbohydrate Materials. <i>Chemistry - A European Journal</i> , 2021 , 27, 13139-13143	4.8	4
515	Artemisinin inhibits NRas palmitoylation by targeting the protein acyltransferase ZDHHC6. <i>Cell Chemical Biology</i> , 2021 ,	8.2	2
514	Evaluation of Multivalent Sialylated Polyglycerols for Resistance Induction in and Broad Antiviral Activity against Influenza A Viruses. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 12774-12789	8.3	1
513	In vitro efficacy of Artemisia extracts against SARS-CoV-2. <i>Virology Journal</i> , 2021 , 18, 182	6.1	10
512	Semi- and fully synthetic carbohydrate vaccines against pathogenic bacteria: recent developments. <i>Biochemical Society Transactions</i> , 2021 , 49, 2411-2429	5.1	2
511	Comparative structural, biophysical, and receptor binding study of true type and wild type AAV2. <i>Journal of Structural Biology</i> , 2021 , 213, 107795	3.4	0
510	Automated Oligosaccharide Synthesis: The Past, Present, and Future 2021 , 561-601		0
509	Direct Experimental Characterization of the Ferrier Glycosyl Cation in the Gas Phase. <i>Organic Letters</i> , 2020 , 22, 8916-8919	6.2	9
508	How to approach flow chemistry. <i>Chemical Society Reviews</i> , 2020 , 49, 8910-8932	58.5	46
507	Chemical Synthesis and Immunological Evaluation of Helicobacter pylori Serotype O6 Tridecasaccharide O-Antigen Containing a dd-Heptoglycan. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13362-13370	16.4	13
506	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	11.5	19
505	Automated Glycan Assembly in a Variable-Bed Flow Reactor Provides Insights into Oligosaccharide-Resin Interactions. <i>Organic Letters</i> , 2020 , 22, 4213-4216	6.2	4
504	Glycan-dependent cell adhesion mechanism of Tc toxins. <i>Nature Communications</i> , 2020 , 11, 2694	17.4	6

503	Chemical Synthesis and Immunological Evaluation of Helicobacter pylori Serotype O6 Tridecasaccharide O-Antigen Containing a dd-Heptoglycan. <i>Angewandte Chemie</i> , 2020 , 132, 13464-13472	3.6	2
502	Evidence for Photocatalyst Involvement in Oxidative Additions of Nickel-Catalyzed Carboxylate α -Arylations. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11042-11049	16.4	16
501	Imaging single glycans. <i>Nature</i> , 2020 , 582, 375-378	50.4	38
500	Materials science based on synthetic polysaccharides. <i>Materials Horizons</i> , 2020 , 7, 963-969	14.4	5
499	Automated radial synthesis of organic molecules. <i>Nature</i> , 2020 , 579, 379-384	50.4	60
498	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	15.6	25
497	Fernpartizipation in Glykosylierungen von Galaktose-Bausteinen: Direktnachweis durch kryogene Schwingungsspektroskopie. <i>Angewandte Chemie</i> , 2020 , 132, 6224-6229	3.6	12
496	Chimeric oligosaccharide conjugate induces opsonic antibodies against serotypes 19A and 19F. <i>Chemical Science</i> , 2020 , 11, 7401-7407	9.4	5
495	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	16.4	43
494	Automated access to well-defined ionic oligosaccharides. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 1349-1353	3.9	9
493	Visible-light mediated oxidative ring expansion of anellated cyclopropanes to fused endoperoxides with antimalarial activity. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 1789-1795	5.2	12
492	Total Synthesis of Polysaccharides by Automated Glycan Assembly. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8561-8564	16.4	60
491	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	3.5	11
490	Photochemical Strategies for Carbon-Heteroatom Bond Formation. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 1379-1392	3.2	21
489	Thermodynamic and Structural Behavior of β Galactosylceramide and C6-Functionalized β GalCer in 2D Layers at the Air-Liquid Interface. <i>ChemBioChem</i> , 2020 , 21, 241-247	3.8	2
488	Targeted photodynamic therapy with a novel photosensitizer cercosporin encapsulated multifunctional copolymer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 585, 124136	5.1	6
487	Total synthesis of the Helicobacter pylori serotype O2 O-antigen β (1- β 2)- and β (1- β 3)-linked oligoglucosides. <i>Chemical Communications</i> , 2020 , 56, 344-347	5.8	18
486	Synthesis of serotype 9V oligosaccharide antigens. <i>Beilstein Journal of Organic Chemistry</i> , 2020 , 16, 16932-16939	16.99	4

485	Semisynthesis of Functional Glycosylphosphatidylinositol-Anchored Proteins. <i>Angewandte Chemie</i> , 2020 , 132, 12133-12138	3.6	1
484	The Impact of Leaving Group Anomericity on the Structure of Glycosyl Cations of Protected Galactosides. <i>ChemPhysChem</i> , 2020 , 21, 1905-1907	3.2	12
483	Gut microbiota-specific IgA B cells traffic to the CNS in active multiple sclerosis. <i>Science Immunology</i> , 2020 , 5,	28	48
482	Exploring the Molecular Conformation Space by Soft Molecule-Surface Collision. <i>Journal of the American Chemical Society</i> , 2020 , 142, 21420-21427	16.4	18
481	Glycoconjugates for glucose transporter-mediated cancer-specific targeting and treatment. <i>Carbohydrate Research</i> , 2020 , 498, 108195	2.9	12
480	Total synthesis of D-glycero-D-manno-heptose 1- β -bisphosphate with 3-O- <i>acetyl</i> amine linker and its monophosphate derivative. <i>Chinese Journal of Natural Medicines</i> , 2020 , 18, 628-632	2.8	5
479	Chemical Synthesis Elucidates the Key Antigenic Epitope of the Autism-Related Bacterium <i>Clostridium bolteae</i> Capsular Octadecasaccharide. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20529-20537	16.4	7
478	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	1.7	3
477	Supramolecular Assembly and Chirality of Synthetic Carbohydrate Materials. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22577-22583	16.4	8
476	Targeting and Inhibiting Using Ultra-small Gold Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43380-43387	9.5	8
475	Sequential Linkage of Carbohydrate Antigens to Mimic Capsular Polysaccharides: Toward Semisynthetic Glycoconjugate Vaccine Candidates against Serotype 14. <i>ACS Chemical Biology</i> , 2020 , 15, 2395-2405	4.9	5
474	Supramolecular Assembly and Chirality of Synthetic Carbohydrate Materials. <i>Angewandte Chemie</i> , 2020 , 132, 22766-22772	3.6	5
473	Chemical Synthesis Elucidates the Key Antigenic Epitope of the Autism-Related Bacterium <i>Clostridium bolteae</i> Capsular Octadecasaccharide. <i>Angewandte Chemie</i> , 2020 , 132, 20710-20718	3.6	0
472	Helical polysaccharides. <i>Peptide Science</i> , 2020 , 112, e24124	3	19
471	Structural Studies Using Unnatural Oligosaccharides: Toward Sugar Foldamers. <i>Biomacromolecules</i> , 2020 , 21, 18-29	6.9	10
470	Immunological Evaluation of Synthetic Glycosylphosphatidylinositol Glycoconjugates as Vaccine Candidates against Malaria. <i>ACS Chemical Biology</i> , 2020 , 15, 171-178	4.9	4
469	Semisynthesis of Functional Glycosylphosphatidylinositol-Anchored Proteins. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12035-12040	16.4	6
468	On-Chip Neo-Glycopeptide Synthesis for Multivalent Glycan Presentation. <i>Chemistry - A European Journal</i> , 2020 , 26, 9954-9963	4.8	12

467	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	5.1	8
466	Predicting glycosylation stereoselectivity using machine learning. <i>Chemical Science</i> , 2020 , 12, 2931-2939	9.4	10
465	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	11.5	45
464	MAIT cells as attractive vaccine targets. <i>FEBS Letters</i> , 2019 , 593, 1627-1640	3.8	19
463	Practical considerations for printing high-density glycan microarrays to study weak carbohydrate-protein interactions. <i>Carbohydrate Research</i> , 2019 , 481, 31-35	2.9	7
462	Semiheterogeneous Dual Nickel/Photocatalytic (Thio)etherification Using Carbon Nitrides. <i>Organic Letters</i> , 2019 , 21, 5331-5334	6.2	58
461	Carbohydrate-based nanomaterials for biomedical applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2019 , 11, e1558	9.2	28
460	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	16.4	23
459	Semi-heterogene duale Nickel-/Photokatalyse mit Kohlenstoffnitriden: Veresterung von Carbonsäuren mit Arylhalogeniden. <i>Angewandte Chemie</i> , 2019 , 131, 9676-9681	3.6	11
458	Semi-heterogeneous Dual Nickel/Photocatalysis using Carbon Nitrides: Esterification of Carboxylic Acids with Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9575-9580	16.4	66
457	Automated glycan assembly of Lewis type I and II oligosaccharide antigens. <i>Chemical Science</i> , 2019 , 10, 5634-5640	9.4	20
456	Automated Glycan Assembly: A Perspective. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5581-5594	16.4	76
455	Oligosaccharides Self-Assemble and Show Intrinsic Optical Properties. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4833-4838	16.4	32
454	Energy-Efficient Solar Photochemistry with Luminescent Solar Concentrator Based Photomicroreactors. <i>Angewandte Chemie</i> , 2019 , 131, 14512-14516	3.6	11
453	Advancing Solutions to the Carbohydrate Sequencing Challenge. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14463-14479	16.4	55
452	Detection of Anti- Antibodies in Human Sera Using Synthetic Glycosylphosphatidylinositol Glycans on a Bead-Based Multiplex Assay. <i>Analytical Chemistry</i> , 2019 , 91, 11215-11222	7.8	5
451	Systematic Hydrogen-Bond Manipulations To Establish Polysaccharide Structure-Property Correlations. <i>Angewandte Chemie</i> , 2019 , 131, 13261-13266	3.6	17
450	Energy-Efficient Solar Photochemistry with Luminescent Solar Concentrator Based Photomicroreactors. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14374-14378	16.4	51

449	Multivalent glycan arrays. <i>Faraday Discussions</i> , 2019 , 219, 9-32	3.6	17
448	Systematic Hydrogen-Bond Manipulations To Establish Polysaccharide Structure-Property Correlations. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13127-13132	16.4	41
447	The C-type Lectin Receptor CLEC12A Recognizes Plasmodial Hemozoin and Contributes to Cerebral Malaria Development. <i>Cell Reports</i> , 2019 , 28, 30-38.e5	10.6	13
446	Mucins and Pathogenic Mucin-Like Molecules Are Immunomodulators During Infection and Targets for Diagnostics and Vaccines. <i>Frontiers in Chemistry</i> , 2019 , 7, 710	5	15
445	Synthetic Oligosaccharide-Based Vaccines Protect Mice from Infections. <i>ACS Chemical Biology</i> , 2019 , 14, 2720-2728	4.9	12
444	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	5.2	4
443	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 ,	11.5	42
442	Safe and Scalable Continuous Flow Azidophenylselenylation of Galactal to Prepare Galactosamine Building Blocks. <i>Organic Process Research and Development</i> , 2019 , 23, 2764-2770	3.9	6
441	Automated glycan assembly of arabinomannan oligosaccharides from. <i>Beilstein Journal of Organic Chemistry</i> , 2019 , 15, 2936-2940	2.5	7
440	Real-time monitoring of solid-phase peptide synthesis using a variable bed flow reactor. <i>Chemical Communications</i> , 2019 , 55, 14598-14601	5.8	14
439	Orthogonally Protected Building Blocks for Automated Glycan Assembly 2019 , 451-471		
438	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	7.6	18
437	Literally Green Chemical Synthesis of Artemisinin from Plant Extracts. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5525-5528	16.4	46
436	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	4.8	19
435	Fucose Migration in Intact Protonated Glycan Ions: A Universal Phenomenon in Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7440-7443	16.4	36
434	Flagellin Glycoproteomics of the Periodontitis Associated Pathogen Reveals Previously Not Described -glycans and Rhamnose Fragment Rearrangement Occurring on the Glycopeptides. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 721-736	7.6	9
433	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
432	Novel, Broadly Reactive Anticapsular Antibodies against Carbapenem-Resistant <i>Klebsiella pneumoniae</i> Protect from Infection. <i>MBio</i> , 2018 , 9,	7.8	30

431	High affinity sugar ligands of C-type lectin receptor langerin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 1592-1601	4	19
430	Kontinuierliche heterogene Photokatalyse in seriellen Mikro-Batch-Reaktoren. <i>Angewandte Chemie</i> , 2018 , 130, 10127-10131	3.6	16
429	Total Synthesis of a Densely Functionalized Plesiomonas shigelloides Serotype 51 Aminoglycoside Trisaccharide Antigen. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3120-3127	16.4	37
428	Continuous Heterogeneous Photocatalysis in Serial Micro-Batch Reactors. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9976-9979	16.4	90
427	Identification of the Minimal Glycotope of Streptococcus pneumoniae 7F Capsular Polysaccharide using Synthetic Oligosaccharides. <i>Chemistry - A European Journal</i> , 2018 , 24, 4181-4187	4.8	13
426	Synergistic Glycosylation as Key to the Chemical Synthesis of an Outer Core Octasaccharide of Helicobacter pylori. <i>Chemistry - A European Journal</i> , 2018 , 24, 2868-2872	4.8	19
425	Synthesis of Galactosylated Glycosylphosphatidylinositol Derivatives from Trypanosoma brucei. <i>Chemistry - A European Journal</i> , 2018 , 24, 3271-3282	4.8	3
424	Automated glycan assembly as an enabling technology. <i>Current Opinion in Chemical Biology</i> , 2018 , 46, 48-55	9.7	32
423	Wirklich große Synthese von Artemisinin aus Pflanzenextrakt. <i>Angewandte Chemie</i> , 2018 , 130, 5623-5626	3.6	6
422	Development of an Efficacious, Semisynthetic Glycoconjugate Vaccine Candidate against Serotype 1. <i>ACS Central Science</i> , 2018 , 4, 357-361	16.8	30
421	An Integrated Therapeutic Delivery System for Enhanced Treatment of Hepatocellular Carcinoma. <i>Advanced Functional Materials</i> , 2018 , 28, 1706600	15.6	29
420	Alterations of the Human Skin - and -Glycome in Basal Cell Carcinoma and Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , 2018 , 8, 70	5.3	24
419	Synthesis, Liposomal Formulation, and Immunological Evaluation of a Minimalistic Carbohydrate-βGalCer Vaccine Candidate. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 4918-4927	8.3	36
418	An Empirical Understanding of the Glycosylation Reaction. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11942-11953	16.4	49
417	Fucose-Migration in intakten protonierten Glykan-Ionen – ein universelles Phänomen in der Massenspektrometrie. <i>Angewandte Chemie</i> , 2018 , 130, 7562-7565	3.6	3
416	A modular synthetic route to size-defined immunogenic b antigens is key to the identification of an octasaccharide lead vaccine candidate. <i>Chemical Science</i> , 2018 , 9, 1279-1288	9.4	24
415	Methicillin-resistant Staphylococcus aureus alters cell wall glycosylation to evade immunity. <i>Nature</i> , 2018 , 563, 705-709	50.4	85
414	Improving vaccines against using synthetic glycans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 13353-13358	11.5	38

413	An Integrated Lab-on-a-chip Approach to Study Heterogeneous Enantioselective Catalysts at the Microscale. <i>ChemCatChem</i> , 2018 , 10, 5382-5385	5.2	18
412	Unravelling the structure of glycosyl cations via cold-ion infrared spectroscopy. <i>Nature Communications</i> , 2018 , 9, 4174	17.4	38
411	Novel Palladium-Catalyzed Intramolecular Addition of Aryl Bromides to Aldehydes as Key to the Synthesis of 3,3-Dimethylchroman-4-ones and 3,3-Dimethylchroman-4-ols. <i>ChemistrySelect</i> , 2018 , 3, 11333-11338	1.8	38
410	Comparative characterization of two galectins excreted-secreted from intestine-dwelling parasitic versus free-living females of the soil-transmitted nematode <i>Strongyloides</i> . <i>Molecular and Biochemical Parasitology</i> , 2018 , 225, 73-83	1.9	5
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