

Chi-Huey Wong

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.

435
papers

33,366
citations

99
h-index

168
g-index

455
ext. papers

35,753
ext. citations

10.7
avg, IF

7.14
L-index

#	Paper	IF	Citations
435	Glycosite-deleted mRNA of SARS-CoV-2 spike protein as a broad-spectrum vaccine.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	3
434	Vaccination with SARS-CoV-2 spike protein lacking glycan shields elicits enhanced protective responses in animal models.. <i>Science Translational Medicine</i> , 2022 , 14, eabm0899	17.5	5
433	Synthesis of Azido-Globo H Analogs for Immunogenicity Evaluation.. <i>ACS Central Science</i> , 2022 , 8, 77-85	16.8	
432	Automated Quantification of Hydroxyl Reactivities: Prediction of Glycosylation Reactions. <i>Angewandte Chemie</i> , 2021 , 133, 12521-12531	3.6	1
431	Automated Quantification of Hydroxyl Reactivities: Prediction of Glycosylation Reactions. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 12413-12423	16.4	14
430	Carbohydrates Carbohydrate Chains: Enzymatic and Chemical Synthesis 2021 , 604-609		
429	Practical Remdesivir Synthesis through One-Pot Organocatalyzed Asymmetric ()-P-Phosphoramidation. <i>Journal of Organic Chemistry</i> , 2021 , 86, 4977-4985	4.2	8
428	Immunogenicity Evaluation of N-Glycans Recognized by HIV Broadly Neutralizing Antibodies. <i>ACS Chemical Biology</i> , 2021 , 16, 2016-2025	4.9	0
427	Combined Effect of Anti-SSEA4 and Anti-Globo H Antibodies on Breast Cancer Cells. <i>ACS Chemical Biology</i> , 2021 , 16, 1526-1537	4.9	0
426	Homogeneous antibody and CAR-T cells with improved effector functions targeting SSEA-4 glycan on pancreatic cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1
425	Influenza virus neuraminidase regulates host CD8 T-cell response in mice. <i>Communications Biology</i> , 2020 , 3, 748	6.7	1
424	XFEL coherent diffraction imaging for weakly scattering particles using heterodyne interference. <i>AIP Advances</i> , 2020 , 10, 055219	1.5	6
423	Programmable One-Pot Synthesis of Heparin Pentasaccharide Fondaparinux. <i>Organic Letters</i> , 2020 , 22, 4638-4642	6.2	24
422	Trisaccharide Sulfate and Its Sulfonamide as an Effective Substrate and Inhibitor of Human Endo-sulfatase-1. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5282-5292	16.4	1
421	Suppression of Drug-Resistant Non-Small-Cell Lung Cancer with Inhibitors Targeting Minichromosomal Maintenance Protein. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 3172-3187	8.3	6
420	Design and synthesis of glyco-peptides as anti-cancer agents targeting thrombin-protease activated receptor-1 interaction. <i>Chemical Communications</i> , 2020 , 56, 5827-5830	5.8	1
419	Disrupting the Conserved Salt Bridge in the Trimerization of Influenza A Nucleoprotein. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 205-215	8.3	5

418	Chimeric hemagglutinin vaccine elicits broadly protective CD4 and CD8 T cell responses against multiple influenza strains and subtypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 17757-17763	11.5	9
417	Synthetic Carbohydrate Chemistry and Translational Medicine. <i>Journal of Organic Chemistry</i> , 2020 , 85, 15780-15800	4.2	7
416	Synthesis of Asymmetric -Glycans as Common Core Substrates for Structural Diversification through Selective Enzymatic Glycosylation. <i>ACS Chemical Biology</i> , 2020 , 15, 2382-2394	4.9	5
415	Programmable One-Pot Synthesis of Oligosaccharides. <i>Biochemistry</i> , 2020 , 59, 3078-3088	3.2	14
414	Oligosaccharide Synthesis and Translational Innovation. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3735-3754	16.4	79
413	An Efficient Modular One-Pot Synthesis of Heparin-Based Anticoagulant Idraparinux. <i>Journal of the American Chemical Society</i> , 2019 , 141, 10309-10314	16.4	46
412	Synthesis of Sialidase-Resistant Oligosaccharide and Antibody Glycoform Containing β ,6-Linked 3F-Neu5Ac. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6484-6488	16.4	27
411	Signaling pathway of globo-series glycosphingolipids and β ,3-galactosyltransferase V (BGalT5) in breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3518-3523	11.5	31
410	Targeting the Bacterial Transglycosylase: Antibiotic Development from a Structural Perspective. <i>ACS Infectious Diseases</i> , 2019 , 5, 1493-1504	5.5	8
409	Egg-based influenza split virus vaccine with monoglycosylation induces cross-strain protection against influenza virus infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 4200-4205	11.5	18
408	Development of a universal influenza vaccine using hemagglutinin stem protein produced from <i>Pichia pastoris</i> . <i>Virology</i> , 2019 , 526, 125-137	3.6	11
407	Highlights in Chemical Glycobiology. <i>Israel Journal of Chemistry</i> , 2019 , 59, 18-22	3.4	1
406	Towards new antibiotics targeting bacterial transglycosylase: Synthesis of a Lipid II analog as stable transition-state mimic inhibitor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018 , 28, 2708-2712	2.9	3
405	Affinity-Based Screen for Inhibitors of Bacterial Transglycosylase. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2752-2755	16.4	15
404	Free-electron-laser coherent diffraction images of individual drug-carrying liposome particles in solution. <i>Nanoscale</i> , 2018 , 10, 2820-2824	7.7	8
403	Glycoengineering of antibody (Herceptin) through yeast expression and in vitro enzymatic glycosylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 720-725	11.5	50
402	A Neutralizing Antibody Recognizing Primarily N-Linked Glycan Targets the Silent Face of the HIV Envelope. <i>Immunity</i> , 2018 , 48, 500-513.e6	32.3	51
401	Unprecedented Role of Hybrid N-Glycans as Ligands for HIV-1 Broadly Neutralizing Antibodies. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5202-5210	16.4	27

400	Programmable one-pot synthesis of heparin pentasaccharides enabling access to regiodefined sulfate derivatives. <i>Chemical Science</i> , 2018 , 9, 6685-6691	9.4	43
399	Hierarchical and programmable one-pot synthesis of oligosaccharides. <i>Nature Communications</i> , 2018 , 9, 5202	17.4	44
398	Synthesis of Modular Building Blocks using Glycosyl Phosphate Donors for the Construction of Asymmetric N-Glycans. <i>Tetrahedron</i> , 2018 , 74, 6003-6011	2.4	7
397	Development of glycosynthases with broad glycan specificity for the efficient glyco-remodeling of antibodies. <i>Chemical Communications</i> , 2018 , 54, 6161-6164	5.8	21
396	-GlcNAcylation regulates the stability and enzymatic activity of the histone methyltransferase EZH2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 7302-7307	11.5	36
395	Autoreactivity to Sulfatide by Human Invariant NKT Cells. <i>Journal of Immunology</i> , 2017 , 199, 97-106	5.3	11
394	Crystal Structure of a Homogeneous IgG-Fc Glycoform with the N-Glycan Designed to Maximize the Antibody Dependent Cellular Cytotoxicity. <i>ACS Chemical Biology</i> , 2017 , 12, 1335-1345	4.9	20
393	A cell-permeable and triazole-forming fluorescent probe for glycoconjugate imaging in live cells. <i>Chemical Communications</i> , 2017 , 53, 1490-1493	5.8	12
392	Influenza A surface glycosylation and vaccine design. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 280-285	11.5	46
391	Undecaprenyl Phosphate Phosphatase Activity of Undecaprenol Kinase Regulates the Lipid Pool in Gram-Positive Bacteria. <i>Biochemistry</i> , 2017 , 56, 5417-5427	3.2	9
390	Design of Disaccharide Modules for a Programmable One-Pot Synthesis of Building Blocks with LacNAc Repeating Units for Asymmetric N-Glycans. <i>Asian Journal of Organic Chemistry</i> , 2017 , 6, 1800-1807	3.7	7
389	Residues Comprising the Enhanced Aromatic Sequon Influence Protein N-Glycosylation Efficiency. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12947-12955	16.4	14
388	Substrate Preference and Interplay of Fucosyltransferase β and N-Acetylglucosaminyltransferases. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9431-9434	16.4	28
387	An Effective Bacterial Fucosidase for Glycoprotein Remodeling. <i>ACS Chemical Biology</i> , 2017 , 12, 63-72	4.9	25
386	Purine-Type Compounds Induce Microtubule Fragmentation and Lung Cancer Cell Death through Interaction with Katanin. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 8521-34	8.3	19
385	The Dependence of Carbohydrate-Aromatic Interaction Strengths on the Structure of the Carbohydrate. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7636-48	16.4	38
384	Stage-specific embryonic antigen-3 (SSEA-3) and β GalT5 are cancer specific and significant markers for breast cancer stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 960-5	11.5	42
383	Modular synthesis of N-glycans and arrays for the hetero-ligand binding analysis of HIV antibodies. <i>Nature Chemistry</i> , 2016 , 8, 338-46	17.6	80

382	Randomized phase II/III trial of active immunotherapy with OPT-822/OPT-821 in patients with metastatic breast cancer.. <i>Journal of Clinical Oncology</i> , 2016 , 34, 1003-1003	2.2	15
381	Exploring human glycosylation for better therapies. <i>Molecular Aspects of Medicine</i> , 2016 , 51, 125-43	16.7	17
380	Trimeric HIV-1-Env Structures Define Glycan Shields from Clades A, B, and G. <i>Cell</i> , 2016 , 165, 813-26	56.2	301
379	Understanding the Chemistry and Biology of Glycosylation with Glycan Synthesis. <i>Annual Review of Biochemistry</i> , 2016 , 85, 599-630	29.1	88
378	A common glycan structure on immunoglobulin G for enhancement of effector functions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 10611-6	11.5	137
377	Effect of sialylation on EGFR phosphorylation and resistance to tyrosine kinase inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 6955-60	11.5	71
376	Colocalization of a CD1d-Binding Glycolipid with a Radiation-Attenuated Sporozoite Vaccine in Lymph Node-Resident Dendritic Cells for a Robust Adjuvant Effect. <i>Journal of Immunology</i> , 2015 , 195, 2710-21	5.3	12
375	Glycoprotein B7-H3 overexpression and aberrant glycosylation in oral cancer and immune response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 13057-62	11.5	71
374	Prologue: Biological Glycosylation IFrom Understanding to Problem Solving. <i>Israel Journal of Chemistry</i> , 2015 , 55, 254-255	3.4	
373	Glycopeptide Mimetics Recapitulate High-Mannose-Type Oligosaccharide Binding and Function. <i>Angewandte Chemie</i> , 2015 , 127, 5695-5700	3.6	
372	Glycopeptide mimetics recapitulate high-mannose-type oligosaccharide binding and function. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5603-8	16.4	5
371	Development of Globo-H cancer vaccine. <i>Accounts of Chemical Research</i> , 2015 , 48, 643-52	24.3	133
370	Automated Programmable One-Pot Synthesis of Glycans 2015 , 45-52		
369	Automation in Glycan Synthesis 2015 , 345-351		
368	Chemoenzymatic Synthesis of Glycans: Overview 2015 , 293-294		0
367	Development of bacterial transglycosylase inhibitors as new antibiotics: moenomycin A treatment for drug-resistant <i>Helicobacter pylori</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 2412-4	2.9	15
366	Chemical constituents of <i>Plectranthus amboinicus</i> and the synthetic analogs possessing anti-inflammatory activity. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 1766-72	3.4	28
365	Vaccination of monoglycosylated hemagglutinin induces cross-strain protection against influenza virus infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 2476-81	11.5	42

364	O-GlcNAcylation regulates EZH2 protein stability and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1355-60	11.5	157
363	Iminosugar C-glycoside analogues of β -D-GlcNAc-1-phosphate: synthesis and bacterial transglycosylase inhibition. <i>Journal of Organic Chemistry</i> , 2014 , 79, 8629-37	4.2	21
362	An azido-BODIPY probe for glycosylation: initiation of strong fluorescence upon triazole formation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9953-61	16.4	76
361	Enzymatic synthesis of lipid II and analogues. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8060-56.4	56.4	34
360	Tamiphosphor monoesters as effective anti-influenza agents. <i>European Journal of Medicinal Chemistry</i> , 2014 , 81, 106-18	6.8	22
359	Stage-specific embryonic antigen-4 as a potential therapeutic target in glioblastoma multiforme and other cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 2482-7	11.5	77
358	Enzymatic Synthesis of Lipid II and Analogues. <i>Angewandte Chemie</i> , 2014 , 126, 8198-8203	3.6	3
357	Immunogenicity study of Globo H analogues with modification at the reducing or nonreducing end of the tumor antigen. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16844-53	16.4	42
356	Automation in Glycan Synthesis 2014 , 1-7		
355	Broadly neutralizing HIV antibodies define a glycan-dependent epitope on the prefusion conformation of gp41 on cleaved envelope trimers. <i>Immunity</i> , 2014 , 40, 657-68	32.3	286
354	Chemo-Enzymatic Synthesis of Glycans: Overview 2014 , 1-3		
353	Automated Programmable One-Pot Synthesis of Glycans 2014 , 1-7		
352	Efficient convergent synthesis of bi-, tri-, and tetra-antennary complex type N-glycans and their HIV-1 antigenicity. <i>Journal of the American Chemical Society</i> , 2013 , 135, 15382-91	16.4	74
351	Synthesis of Neisseria meningitidis Serogroup W135 Capsular Oligosaccharides for Immunogenicity Comparison and Vaccine Development. <i>Angewandte Chemie</i> , 2013 , 125, 9327-9331	3.6	7
350	New continuous fluorometric assay for bacterial transglycosylase using Förster resonance energy transfer. <i>Journal of the American Chemical Society</i> , 2013 , 135, 17078-89	16.4	29
349	Investigation of SSEA-4 binding protein in breast cancer cells. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5934-7	16.4	20
348	Structural and energetic basis of carbohydrate-aromatic packing interactions in proteins. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9877-84	16.4	77
347	Synthesis and vaccine evaluation of the tumor-associated carbohydrate antigen RM2 from prostate cancer. <i>Journal of the American Chemical Society</i> , 2013 , 135, 11140-50	16.4	41

346	Effective sugar nucleotide regeneration for the large-scale enzymatic synthesis of Globo H and SSEA4. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14831-9	16.4	72
345	Carbohydrate-based vaccines with a glycolipid adjuvant for breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2517-22	11.5	122
344	Fucosyltransferase 8 as a functional regulator of nonsmall cell lung cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 630-5	11.5	169
343	Cell-permeable probe for identification and imaging of sialidases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2466-71	11.5	54
342	Synthesis of Neisseria meningitidis serogroup W135 capsular oligosaccharides for immunogenicity comparison and vaccine development. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 9157-61	16.4	42
341	Evaluation of sulfatase-directed quinone methide traps for proteomics. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 622-7	3.4	8
340	Acyl and silyl group effects in reactivity-based one-pot glycosylation: synthesis of embryonic stem cell surface carbohydrates Lc4 and IV(2)Fuc-Lc4. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4549-52	16.4	61
339	Enhanced anti-influenza agents conjugated with anti-inflammatory activity. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 8493-501	8.3	24
338	Development of oseltamivir phosphonate congeners as anti-influenza agents. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 8657-70	8.3	44
337	Effect of the peptide moiety of Lipid II on bacterial transglycosylase. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10123-6	16.4	21
336	Glycosylation by D-glucosamine-derived donors: synthesis of heparosan and heparin analogues that interact with mycobacterial heparin-binding hemagglutinin. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8988-95	16.4	82
335	Toward a Carbohydrate-Based HIV-1 Vaccine. <i>ACS Symposium Series</i> , 2012 , 187-215	0.4	3
334	N-glycosylation of enhanced aromatic sequons to increase glycoprotein stability. <i>Biopolymers</i> , 2012 , 98, 195-211	2.2	49
333	Crystal structure of Staphylococcus aureus transglycosylase in complex with a lipid II analog and elucidation of peptidoglycan synthesis mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 6496-501	11.5	68
332	Broad neutralization coverage of HIV by multiple highly potent antibodies. <i>Nature</i> , 2011 , 477, 466-70	50.4	1164
331	Enzymes in the synthesis of glycoconjugates. <i>Chemical Reviews</i> , 2011 , 111, 4259-307	68.1	210
330	A potent and broad neutralizing antibody recognizes and penetrates the HIV glycan shield. <i>Science</i> , 2011 , 334, 1097-103	33.3	576
329	Effects of Neighboring Glycans on Antibody-Carbohydrate Interaction. <i>Angewandte Chemie</i> , 2011 , 123, 1646-1650	3.6	13

- 328 Auf dem Weg zur automatisierten Oligosaccharid- Synthese. *Angewandte Chemie*, **2011**, 123, 12076-12123 47
- 327 Efficient and Stereoselective Synthesis of (2-8) Oligosialic Acids: From Monomers to Dodecamers. *Angewandte Chemie*, **2011**, 123, 9563-9567 3.6 12
- 326 Effects of neighboring glycans on antibody-carbohydrate interaction. *Angewandte Chemie - International Edition*, **2011**, 50, 1608-12 16.4 60
- 325 Toward automated oligosaccharide synthesis. *Angewandte Chemie - International Edition*, **2011**, 50, 11872-11873 16.4 215
- 324 Efficient and stereoselective synthesis of (2-8) oligosialic acids: from monomers to dodecamers. *Angewandte Chemie - International Edition*, **2011**, 50, 9391-5 16.4 59
- 323 Programmable one-pot glycosylation. *Topics in Current Chemistry*, **2011**, 301, 223-52 33
- 322 Chemistry and glycobiology. *Chemical Communications*, **2011**, 47, 6201-7 5.8 67
- 321 A new synthetic approach toward bacterial transglycosylase substrates, Lipid II and Lipid IV. *Organic Letters*, **2011**, 13, 4600-3 6.2 36
- 320 Protein native-state stabilization by placing aromatic side chains in N-glycosylated reverse turns. *Science*, **2011**, 331, 571-5 33.3 139
- 319 Programmable one-pot synthesis of tumor-associated carbohydrate antigens Lewis X dimer and KH-1 epitopes. *Tetrahedron Letters*, **2011**, 52, 2132-2135 2 15
- 318 Sialylation and fucosylation of epidermal growth factor receptor suppress its dimerization and activation in lung cancer cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 11332-7 11.5 270
- 317 E339...R416 salt bridge of nucleoprotein as a feasible target for influenza virus inhibitors. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 16515-20 11.5 60
- 316 High-throughput identification of compounds targeting influenza RNA-dependent RNA polymerase activity. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 19151-6 11.5 80
- 315 Extracellular sulfatases support cartilage homeostasis by regulating BMP and FGF signaling pathways. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 10202-7 11.5 95
- 314 Glycan array on aluminum oxide-coated glass slides through phosphonate chemistry. *Journal of the American Chemical Society*, **2010**, 132, 13371-80 16.4 57
- 313 Combinatorial approach toward synthesis of small molecule libraries as bacterial transglycosylase inhibitors. *Organic and Biomolecular Chemistry*, **2010**, 8, 2586-93 3.9 37
- 312 Advances in chemical ligation strategies for the synthesis of glycopeptides and glycoproteins. *Chemical Communications*, **2010**, 46, 21-43 5.8 196
- 311 Development of trifunctional probes for glycoproteomic analysis. *Chemical Communications*, **2010**, 46, 5575-7 5.8 27

310	Differential receptor binding affinities of influenza hemagglutinins on glycan arrays. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14849-56	16.4	79
309	Recent Advances in Aldolase-Catalyzed Synthesis of Unnatural Sugars and Iminocyclitols 2010 , 405-419		
308	Synthesis and evaluation of a new fluorescent transglycosylase substrate: lipid II-based molecule possessing a dansyl-C20 polyprenyl moiety. <i>Organic Letters</i> , 2010 , 12, 1608-11	6.2	42
307	Glucosamine-6-sulfamate analogues of heparan sulfate as inhibitors of endosulfatases. <i>ChemBioChem</i> , 2010 , 11, 2393-7	3.8	14
306	Highly alpha-selective sialyl phosphate donors for efficient preparation of natural sialosides. <i>Chemistry - A European Journal</i> , 2010 , 16, 1754-60	4.8	143
305	Defining criteria for oligomannose immunogens for HIV using icosahedral virus capsid scaffolds. <i>Chemistry and Biology</i> , 2010 , 17, 357-70		108
304	High-throughput identification of antibacterials against methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) and the transglycosylase. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 8512-29	3.4	55
303	Asymmetric epoxidation of allyl alcohol derivatives by β -hydroxylase from <i>Pseudomonas oleovorans</i> . <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 110, 167-170		11
302	Glycans on influenza hemagglutinin affect receptor binding and immune response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 18137-42	11.5	240
301	Crystal structure of the membrane-bound bifunctional transglycosylase PBP1b from <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 8824-9	11.5	155
300	The core trisaccharide of an N-linked glycoprotein intrinsically accelerates folding and enhances stability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 3131-6	11.5	181
299	Iron oxide/gold core/shell nanoparticles for ultrasensitive detection of carbohydrate-protein interactions. <i>Analytical Chemistry</i> , 2009 , 81, 7750-6	7.8	79
298	Concise synthesis of iminocyclitols via Petasis-type aminocyclization. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8352-3	16.4	56
297	Antibacterial cyclic D,L-alpha-glycopeptides. <i>Chemical Communications</i> , 2009 , 3693-5	5.8	53
296	New development of glycan arrays. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 2247-54	3.9	55
295	Biologically Relevant Glycopeptides: Synthesis and Applications 2008 , 1795-1857		6
294	Desorption ionization of biomolecules on metals. <i>Analytical Chemistry</i> , 2008 , 80, 5203-10	7.8	29
293	A copper(I)-catalyzed 1,2,3-triazole azide-alkyne click compound is a potent inhibitor of a multidrug-resistant HIV-1 protease variant. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 6263-70	8.3	193

292	Sugar-assisted glycopeptide ligation with complex oligosaccharides: scope and limitations. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11945-52	16.4	55
291	Domain requirement of moenomycin binding to bifunctional transglycosylases and development of high-throughput discovery of antibiotics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 431-6	11.5	55
290	Expression of Globo H and SSEA3 in breast cancer stem cells and the involvement of fucosyl transferases 1 and 2 in Globo H synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 11667-72	11.5	124
289	Glycan microarray of Globo H and related structures for quantitative analysis of breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 11661-6	11.5	131
288	A glycoconjugate antigen based on the recognition motif of a broadly neutralizing human immunodeficiency virus antibody, 2G12, is immunogenic but elicits antibodies unable to bind to the self glycans of gp120. <i>Journal of Virology</i> , 2008 , 82, 6359-68	6.6	99
287	A nanostructure-initiator mass spectrometry-based enzyme activity assay. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 3678-83	11.5	132
286	Targeting the carbohydrates on HIV-1: Interaction of oligomannose dendrons with human monoclonal antibody 2G12 and DC-SIGN. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 3690-5	11.5	253
285	Recent Advances in Aldolase-Catalyzed Synthesis of Unnatural Sugars and Iminocyclitols. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2008 , 66, 605-615	0.2	8
284	Solid-phase synthesis of peptide and glycopeptide thioesters through side-chain-anchoring strategies. <i>Chemistry - A European Journal</i> , 2008 , 14, 3620-9	4.8	86
283	Cysteine-free peptide and glycopeptide ligation by direct aminolysis. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4411-5	16.4	88
282	Cysteine-Free Peptide and Glycopeptide Ligation by Direct Aminolysis. <i>Angewandte Chemie</i> , 2008 , 120, 4483-4487	3.6	25
281	Glycan arrays: biological and medical applications. <i>Current Opinion in Chemical Biology</i> , 2008 , 12, 86-92	9.7	140
280	Glycan arrays on aluminum-coated glass slides. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 1395-405	4.5	22
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- 4 The Resolution of Amino Acids by Enzymes Part 1: Proteolytic Enzyme Bromelain for Hydrolysis of L-Amino Acid Methyl Esters. *Journal of the Chinese Chemical Society*, **1977**, 24, 129-133 1.5 1
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- 2 Aldolase Enzymes for Complex Synthesis 203-225
- 1 Iminosugar-Based Glycosyltransferase Inhibitors 153-176 5