

# Chun-Hung Lin

## List of Publications by Year in descending order

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140  
papers

4,238  
citations

109137

35  
h-index

149479

56  
g-index

165  
all docs

165  
docs citations

165  
times ranked

5258  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbohydrate Ligands for COVID-19 Spike Proteins. <i>Viruses</i> , 2022, 14, 330.	1.5	7
2	Synthesis of Type-I and Type-II LacNAc-Repeating Oligosaccharides as the Backbones of Tumor-Associated Lewis Antigens. <i>Frontiers in Immunology</i> , 2022, 13, 858894.	2.2	8
3	Hit-to-Lead Short Peptides against Dengue Type 2 Envelope Protein: Computational and Experimental Investigations. <i>Molecules</i> , 2022, 27, 3233.	1.7	0
4	Metabolic Isolation, Stereochemical Determination, and Total Synthesis of Predominant Native Cholesteryl Phosphatidyl- $\beta$ -glucoside from Carcinogenic <i>Helicobacter pylori</i> . <i>Organic Letters</i> , 2022, 24, 5045-5050.	2.4	0
5	Potent and orally active purine-based fetal hemoglobin inducers for treating $\beta^2$ -thalassemia and sickle cell disease. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112938.	2.6	4
6	Threshold of Thioglycoside Reactivity Difference Is Critical for Efficient Synthesis of Type I Oligosaccharides by Chemoselective Glycosylation. <i>Journal of Organic Chemistry</i> , 2021, 86, 892-916.	1.7	8
7	Entropy-driven binding of gut bacterial $\beta$ -glucuronidase inhibitors ameliorates irinotecan-induced toxicity. <i>Communications Biology</i> , 2021, 4, 280.	2.0	17
8	A Systematic Study of the Stability, Safety, and Efficacy of the de novo Designed Antimicrobial Peptide PepD2 and Its Modified Derivatives Against <i>Acinetobacter baumannii</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 678330.	1.5	6
9	Galectin-3 promotes noncanonical inflammasome activation through intracellular binding to lipopolysaccharide glycans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	23
10	<i>Plectranthus amboinicus</i> (Spreng.) Semi-purified Fractions with Selective $\beta$ -Glucuronidase Inhibition Elucidated with gas chromatography-mass spectrometry and in silico docking. <i>Pharmacognosy Magazine</i> , 2021, 17, 268.	0.3	0
11	Enhanced enzymatic production of cholesteryl 6 $\beta$ -acylglucoside impairs lysosomal degradation for the intracellular survival of <i>Helicobacter pylori</i> . <i>Journal of Biomedical Science</i> , 2021, 28, 72.	2.6	3
12	Advanced Context-Modeling and Frequency Table Adjusting Methods for Motion Vector Encoding. , 2021, , .		0
13	Intracellular galectins control cellular responses commensurate with cell surface carbohydrate composition. <i>Glycobiology</i> , 2020, 30, 36-48.	1.3	10
14	Design, synthesis and molecular docking study of $\beta$ -triazolylsialosides as non-hydrolyzable and potent CD22 ligands. <i>European Journal of Medicinal Chemistry</i> , 2020, 208, 112707.	2.6	5
15	Cholesteryl $\beta$ -D-glucoside 6-acyltransferase enhances the adhesion of <i>Helicobacter pylori</i> to gastric epithelium. <i>Communications Biology</i> , 2020, 3, 120.	2.0	20
16	Substituent Position of Iminocyclitols Determines the Potency and Selectivity for Gut Microbial Xenobiotic-Reactivating Enzymes. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 4617-4627.	2.9	5
17	Discovery of a Dual Function Cytochrome P450 that Catalyzes Enyne Formation in Cyclohexanoid Terpenoid Biosynthesis. <i>Angewandte Chemie</i> , 2020, 132, 13639-13643.	1.6	5
18	Discovery of a Dual Function Cytochrome P450 that Catalyzes Enyne Formation in Cyclohexanoid Terpenoid Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13537-13541.	7.2	31

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19	Dynamic Motion Vector Searching Algorithm Using Window Adjustment, Global Motion Information, and Direction Priors. , 2020, , .		0
20	Galectin-3 is required for the microglia-mediated brain inflammation in a model of Huntingtonâ€™s disease. Nature Communications, 2019, 10, 3473.	5.8	153
21	Bioorthogonal Fluorescent Nanodiamonds for Continuous Long-Term Imaging and Tracking of Membrane Proteins. ACS Applied Materials & Interfaces, 2019, 11, 19774-19781.	4.0	36
22	Quantification and Imaging of Antigens on Cell Surface with Lipid-Encapsulated Fluorescent Nanodiamonds. Micromachines, 2019, 10, 304.	1.4	5
23	Oneâ€™Pot Bioconversion of $\alpha$ -Arabinose to $\alpha$ -Ribulose in an Enzymatic Cascade. Angewandte Chemie - International Edition, 2019, 58, 2428-2432.	7.2	30
24	Diverse Synthesis of Natural Trehalosamines and Synthetic 1,1â€™-Disaccharide Aminoglycosides. ChemBioChem, 2019, 20, 287-294.	1.3	7
25	Oneâ€™Pot Bioconversion of $\alpha$ -Arabinose to $\alpha$ -Ribulose in an Enzymatic Cascade. Angewandte Chemie, 2019, 131, 2450-2454.	1.6	5
26	Helicobacter pylori induces intracellular galectin-8 aggregation around damaged lysosomes within gastric epithelial cells in a host O-glycan-dependent manner. Glycobiology, 2019, 29, 151-162.	1.3	24
27	Selection of galectinâ€™3 ligands derived from genetically encoded glycopeptide libraries. Peptide Science, 2019, 111, e24097.	1.0	9
28	Stromal C-type lectin receptor COLEC12 integrates H. pylori, PGE2-EP2/4 axis and innate immunity in gastric diseases. Scientific Reports, 2018, 8, 3821.	1.6	28
29	Correlative Light-Electron Microscopy of Lipid-Encapsulated Fluorescent Nanodiamonds for Nanometric Localization of Cell Surface Antigens. Analytical Chemistry, 2018, 90, 1566-1571.	3.2	32
30	Hepatocellular Carcinoma Diagnosis by Detecting $\alpha$ -Fucosidase with a Silicon Nanowire Field-Effect Transistor Biosensor. ECS Journal of Solid State Science and Technology, 2018, 7, Q3153-Q3158.	0.9	7
31	$\beta$ -Glucuronidases of opportunistic bacteria are the major contributors to xenobiotic-induced toxicity in the gut. Scientific Reports, 2018, 8, 16372.	1.6	69
32	Dissecting the Structureâ€™Activity Relationship of Galectinâ€™Ligand Interactions. International Journal of Molecular Sciences, 2018, 19, 392.	1.8	58
33	A flexible 1,2-cis $\beta$ -glycosylation strategy based on in situ adduct transformation. Organic and Biomolecular Chemistry, 2017, 15, 5345-5356.	1.5	23
34	Synthesis of a $\beta$ - $\alpha$ -Psicofuranosyl Sulfone and Inhibitoryâ€™Activity Evaluation Against $\alpha$ -Acetylglucosaminyltransferase I. European Journal of Organic Chemistry, 2017, 2017, 6179-6191.	1.2	6
35	Cell Intrinsic Galectin-3 Attenuates Neutrophil ROS-Dependent Killing of Candida by Modulating CR3 Downstream Syk Activation. Frontiers in Immunology, 2017, 8, 48.	2.2	41
36	Lactose Binding Induces Opposing Dynamics Changes in Human Galectins Revealed by NMR-Based Hydrogenâ€™Deuterium Exchange. Molecules, 2017, 22, 1357.	1.7	13

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37	Metabolic labelling of cholesteryl glucosides in <i>Helicobacter pylori</i> reveals how the uptake of human lipids enhances bacterial virulence. <i>Chemical Science</i> , 2016, 7, 6208-6216.	3.7	23
38	Temporal regulation of Lsp1 O-GlcNAcylation and phosphorylation during apoptosis of activated B cells. <i>Nature Communications</i> , 2016, 7, 12526.	5.8	28
39	Dual thio-digalactoside-binding modes of human galectins as the structural basis for the design of potent and selective inhibitors. <i>Scientific Reports</i> , 2016, 6, 29457.	1.6	70
40	Stereoselective Synthesis of Spiro Bis-C <sub>2</sub> -aryl glycosides by Tandem Heck Type C-Glycosylation and Friedel-Crafts Cyclization. <i>Journal of Organic Chemistry</i> , 2016, 81, 3007-3016.	1.7	12
41	Development of transition state analogue inhibitors for N-acetylglycosyltransferases bearing D-psicose D-tagatofuranose scaffolds. <i>Chemical Papers</i> , 2015, 69, .	1.0	4
42	Detection of Human $\alpha$ -L-Fucosidases by a Quinone Methide-Generating Probe: Enhanced Activities in Response to <i>Helicobacter pylori</i> Infection. <i>ChemBioChem</i> , 2015, 16, 1555-1559.	1.3	11
43	Towards inhibitors of glycosyltransferases: A novel approach to the synthesis of 3-acetamido-3-deoxy-D-psicofuranose derivatives. <i>Bellstein Journal of Organic Chemistry</i> , 2015, 11, 1547-1552.	1.3	3
44	Efficient Mapping of Sulfated Glycotopes by Negative Ion Mode nanoLC-MS/MS-Based Sulfoglycomic Analysis of Permethylated Glycans. <i>Analytical Chemistry</i> , 2015, 87, 6380-6388.	3.2	25
45	Expedient Synthesis of Orthogonally Protected Saccharides through Consecutive Protection/Glycosylation Steps. <i>Israel Journal of Chemistry</i> , 2015, 55, 325-335.	1.0	6
46	Characteristic Tandem Mass Spectral Features Under Various Collision Chemistries for Site-Specific Identification of Protein S-Glutathionylation. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 120-132.	1.2	9
47	Development of Activity-Based Probes for Imaging Human $\alpha$ -L-Fucosidases in Cells. <i>Journal of Organic Chemistry</i> , 2015, 80, 8458-8463.	1.7	21
48	Glutathionylspermidine in the Modification of Protein SH Groups: The Enzymology and Its Application to Study Protein Glutathionylation. <i>Molecules</i> , 2015, 20, 1452-1474.	1.7	10
49	NMR assignments of the C-terminal domain of human galectin-8. <i>Biomolecular NMR Assignments</i> , 2015, 9, 427-430.	0.4	3
50	Stereoselective glycosylation of d-galactals by diethyl phosphorochloridite- and AlCl <sub>3</sub> -assisted Ferrier rearrangement. <i>Tetrahedron</i> , 2015, 71, 350-358.	1.0	4
51	Structural Basis Underlying the Binding Preference of Human Galectins-1, -3 and -7 for Gal <sup>2</sup> 1-3/4GlcNAc. <i>PLoS ONE</i> , 2015, 10, e0125946.	1.1	39
52	Synthesis of Oligomeric Mannosides and Their Structure-Binding Relationship with Concanavalin A. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1786-1796.	1.7	11
53	Characterization of Protein Serotonylation via Bioorthogonal Labeling and Enrichment. <i>Journal of Proteome Research</i> , 2014, 13, 3523-3529.	1.8	15
54	Immunization of fucose-containing polysaccharides from Reishi mushroom induces antibodies to tumor-associated Globo H-series epitopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13809-13814.	3.3	66

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55	Synthesis of $\beta$ -2-deoxy-ulosides by Michael addition of hex-1-en-3-ones. <i>Tetrahedron</i> , 2013, 69, 2494-2500.	1.0	7
56	Rapid synthesis of oligomannosides with orthogonally protected monosaccharides. <i>Chemical Communications</i> , 2013, 49, 4265-4267.	2.2	14
57	Polyhydroxylated pyrrolidine and 2-oxapyrrolizidine as glycosidase inhibitors. <i>MedChemComm</i> , 2013, 4, 783.	3.5	8
58	Regioselective and reductive cleavage of allyl ethers by NaBH <sub>4</sub> /HOAc. <i>Tetrahedron</i> , 2013, 69, 3991-3999.	1.0	8
59	Development of fucosyltransferase and fucosidase inhibitors. <i>Chemical Society Reviews</i> , 2013, 42, 4459.	18.7	69
60	An in Vivo Tagging Method Reveals that Ras Undergoes Sustained Activation upon Transglutaminase-Mediated Protein Serotonylation. <i>ChemBioChem</i> , 2013, 14, 813-817.	1.3	16
61	Synthesis and Characterization of Sulfated Galactose-1,3/4-GlcNAc Disaccharides through Consecutive Protection/Glycosylation Steps. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1536-1550.	1.7	24
62	Total Synthesis of a Glycoglycerolipid from <i>Meiothermus taiwanensis</i> through a One-Pot Glycosylation Reaction and Exploration of its Immunological Properties. <i>Chemistry - an Asian Journal</i> , 2013, 8, 3191-3199.	1.7	9
63	B-cell maturation antigen is modified by a single N-glycan chain that modulates ligand binding and surface retention. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10928-10933.	3.3	22
64	Silibinin and Paclitaxel Cotreatment Significantly Suppress the Activity and Lung Metastasis of Triple Negative 4T1 Mammary Tumor Cell in Mice. <i>Journal of Traditional and Complementary Medicine</i> , 2012, 2, 301-311.	1.5	27
65	Receptor binding surveillance of influenza clinical isolates. <i>Future Virology</i> , 2012, 7, 621-633.	0.9	0
66	Chemoenzymatic synthesis of cholesteryl-6-O-tetradecanoyl- $\beta$ -D-glucopyranoside: a product of host cholesterol efflux promoted by <i>Helicobacter pylori</i> . <i>Chemical Communications</i> , 2012, 48, 9083.	2.2	26
67	Chemoenzymatic Synthesis of GDP-Fucose Derivatives as Potent and Selective $\beta$ -1,3-Fucosyltransferase Inhibitors. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1750-1758.	2.1	11
68	In Vivo Tagging and Characterization of S-Glutathionylated Proteins by a Chemoenzymatic Method. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5871-5875.	7.2	29
69	A spatial aggregation index for effective fallow decision in paddy irrigation demand planning. <i>Paddy and Water Environment</i> , 2012, 10, 31-39.	1.0	3
70	Conformational change upon product binding to <i>Klebsiella pneumoniae</i> UDP-glucose dehydrogenase: A possible inhibition mechanism for the key enzyme in polymyxin resistance. <i>Journal of Structural Biology</i> , 2011, 175, 300-310.	1.3	20
71	Enzymatic synthesis of sialic acid derivative by immobilized lipase from <i>Candida antarctica</i> . <i>Bioresource Technology</i> , 2011, 102, 10136-10138.	4.8	17
72	Stereoselective glycosylation of endo-glycals by microwave- and AlCl <sub>3</sub> -assisted catalysis. <i>Tetrahedron</i> , 2011, 67, 6362-6368.	1.0	30

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73	Structure and mechanism of <i>Escherichia coli</i> glutathionylspermidine amidase belonging to the family of cysteine; histidine-dependent amidohydrolases/peptidases. <i>Protein Science</i> , 2011, 20, 557-566.	3.1	9
74	An Acyloxymethyl Ketone-Based Probe to Monitor the Activity of Glutathionylspermidine Amidase in <i>Escherichia coli</i> . <i>ChemBioChem</i> , 2011, 12, 2306-2309.	1.3	5
75	Synthesis of polyhydroxy 7- and N-alkyl-azepanes as potent glycosidase inhibitors. <i>Carbohydrate Research</i> , 2011, 346, 183-190.	1.1	14
76	An efficient production and characterization of HIV-1 gp41 ectodomain with fusion peptide in <i>Escherichia coli</i> system. <i>Journal of Biotechnology</i> , 2011, 153, 48-55.	1.9	4
77	Profiling of influenza viruses by high-throughput carbohydrate membrane array. <i>Future Medicinal Chemistry</i> , 2011, 3, 283-296.	1.1	10
78	Rapid characterization of sugar-binding specificity by in-solution proximity binding with photosensitizers. <i>Glycobiology</i> , 2011, 21, 895-902.	1.3	36
79	Galectin-1 and Galectin-8 Have Redundant Roles in Promoting Plasma Cell Formation. <i>Journal of Immunology</i> , 2011, 187, 1643-1652.	0.4	59
80	Modulation of Substrate Specificities of d-Sialic Acid Aldolase through Single Mutations of Val-251. <i>Journal of Biological Chemistry</i> , 2011, 286, 14057-14064.	1.6	10
81	Mutation in fucose synthesis gene of <i>Klebsiella pneumoniae</i> affects capsule composition and virulence in mice. <i>Experimental Biology and Medicine</i> , 2011, 236, 219-226.	1.1	14
82	Structural and Thermodynamic Analyses of $\alpha$ -L-Fucosidase Inhibitors. <i>ChemBioChem</i> , 2010, 11, 1971-1974.	1.3	17
83	Structural Basis of $\alpha$ -Fucosidase Inhibition by Iminocyclitols with $K_i$ Values in the Micro-to Picomolar Range. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 337-340.	7.2	36
84	Synthesis of 1,7-dioxaspiro[5.5]undecanes and 1-oxa-7-thiaspiro[5.5]undecanes from exo-glycal. <i>Tetrahedron</i> , 2010, 66, 5229-5234.	1.0	17
85	Protein S-Thiolation by Glutathionylspermidine (Gsp). <i>Journal of Biological Chemistry</i> , 2010, 285, 25345-25353.	1.6	35
86	Development of GlcNAc-Inspired Iminocyclitols as Potent and Selective N-Acetyl- $\beta$ -Hexosaminidase Inhibitors. <i>ACS Chemical Biology</i> , 2010, 5, 489-497.	1.6	39
87	Conformational changes associated with cofactor/substrate binding of 6-phosphogluconate dehydrogenase from <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> : Implications for enzyme mechanism. <i>Journal of Structural Biology</i> , 2010, 169, 25-35.	1.3	33
88	Role for $\alpha$ -L-fucosidase in the control of <i>Helicobacter pylori</i> -infected gastric cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14581-14586.	3.3	69
89	Microwave-assisted stereoselective $\alpha$ -2-deoxyglycosylation of hex-1-en-3-uloses. <i>Tetrahedron Letters</i> , 2009, 50, 7327-7329.	0.7	10
90	Identification of Essential Residues of Human $\alpha$ -L-Fucosidase and Tests of Its Mechanism. <i>Biochemistry</i> , 2009, 48, 110-120.	1.2	36

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91	Characterization of <i>Helicobacter pylori</i> $\alpha$ -1,2-Fucosyltransferase for Enzymatic Synthesis of Tumor-Associated Antigens. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2313-2321.	2.1	36
92	Design, synthesis, and evaluation of trifluoromethyl ketones as inhibitors of SARS-CoV 3CL protease. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 4652-4660.	1.4	68
93	C-Terminal Repeats of <i>Clostridium difficile</i> Toxin A Induce Production of Chemokine and Adhesion Molecules in Endothelial Cells and Promote Migration of Leukocytes. <i>Infection and Immunity</i> , 2008, 76, 1170-1178.	1.0	19
94	Lectin-like domain of thrombomodulin binds to its specific ligand Lewis Y antigen and neutralizes lipopolysaccharide-induced inflammatory response. <i>Blood</i> , 2008, 112, 3661-3670.	0.6	176
95	Structure and Mechanism of <i>Helicobacter pylori</i> Fucosyltransferase. <i>Journal of Biological Chemistry</i> , 2007, 282, 9973-9982.	1.6	113
96	Expedient Synthesis of Tri- and Tetrahydrozazepanes from d-( $\alpha$ )-Quinic Acid as Potent Glycosidase Inhibitors. <i>Journal of Organic Chemistry</i> , 2007, 72, 4258-4261.	1.7	30
97	Structure-Based Design and Synthesis of Highly Potent SARS-CoV 3CL Protease Inhibitors. <i>ChemBioChem</i> , 2007, 8, 1654-1657.	1.3	33
98	Identification of Hydrophobic Residues Critical for DPP-IV Dimerization. <i>Biochemistry</i> , 2006, 45, 7006-7012.	1.2	32
99	Discovery of Different Types of Inhibition between the Human and <i>Thermotoga maritima</i> $\alpha$ -Fucosidases by Fuconojirimycin-Based Derivatives. <i>Biochemistry</i> , 2006, 45, 5695-5702.	1.2	27
100	Carboxyl Terminus of <i>Helicobacter pylori</i> $\alpha$ -1,3-Fucosyltransferase Determines the Structure and Stability. <i>Biochemistry</i> , 2006, 45, 8108-8116.	1.2	62
101	Dual binding sites for translocation catalysis by <i>Escherichia coli</i> glutathionylspermidine synthetase. <i>EMBO Journal</i> , 2006, 25, 5970-5982.	3.5	55
102	Inter- and intramolecular glycosylation of exo-glycals promoted by metallic Lewis acids. <i>Carbohydrate Research</i> , 2006, 341, 1428-1437.	1.1	10
103	Investigation of the Dimer Interface and Substrate Specificity of Prolyl Dipeptidase DPP8. <i>Journal of Biological Chemistry</i> , 2006, 281, 38653-38662.	1.6	36
104	Structural characterization of sialic acid synthase by electrospray mass spectrometry: A tetrameric enzyme composed of dimeric dimers. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 324-332.	1.2	10
105	Stereoselective glycosylation of exo-glycals by microwave-assisted Ferrier rearrangement. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 297-301.	1.8	22
106	Different reaction routes found in acid-catalyzed glycosylation of endo- and exo-glycals: competition between Ferrier rearrangement and protonation. <i>Tetrahedron Letters</i> , 2005, 46, 5071-5076.	0.7	29
107	Synthesis of $\alpha$ -galactosyl ceramide and the related glycolipids for evaluation of their activities on mouse splenocytes. <i>Tetrahedron</i> , 2005, 61, 1855-1862.	1.0	77
108	Synthesis of Sialyl TN Glycopeptides - Enzymatic Sialylation by $\alpha$ -2,6-Sialyltransferase from <i>Photobacterium damsela</i> . <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 967-972.	2.1	25

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109	exo-Glycal Chemistry: General Aspects and Synthetic Applications for Biochemical Use. <i>Current Topics in Medicinal Chemistry</i> , 2005, 5, 1431-1457.	1.0	43
110	Discovery of Potent Anilide Inhibitors against the Severe Acute Respiratory Syndrome 3CL Protease. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 4469-4473.	2.9	88
111	Extract of Reishi Polysaccharides Induces Cytokine Expression via TLR4-Modulated Protein Kinase Signaling Pathways. <i>Journal of Immunology</i> , 2004, 173, 5989-5999.	0.4	143
112	Enzymatic and Chemical Approaches for the Synthesis of Sialyl Glycoconjugates. <i>ChemInform</i> , 2004, 35, no.	0.1	0
113	Studies on the immuno-modulating and anti-tumor activities of <i>Ganoderma lucidum</i> (Reishi) polysaccharides. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 5595-5601.	1.4	139
114	Discovery of Picomolar Slow Tight-Binding Inhibitors of $\alpha$ -Fucosidase. <i>Chemistry and Biology</i> , 2004, 11, 1301-1306.	6.2	54
115	Rapid Diversity-Oriented Synthesis in Microtiter Plates for In Situ Screening: Discovery of Potent and Selective $\alpha$ -Fucosidase Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4661-4664.	7.2	107
116	Stereoselective Glycosylation of exo-Glycals Accelerated by Ferrier-Type Rearrangement. <i>Organic Letters</i> , 2003, 5, 1087-1089.	2.4	35
117	Hydrolysis, lactonization, and identification of $\alpha(2 \rightarrow 8)/\alpha(2 \rightarrow 9)$ alternatively linked tri-, tetra-, and polysialic acids. <i>Glycobiology</i> , 2003, 14, 147-155.	1.3	14
118	Stereochemistry in the Synthesis and Reaction of exo-Glycals. <i>Journal of Organic Chemistry</i> , 2002, 67, 3773-3782.	1.7	67
119	Structural characterization of <i>Escherichia coli</i> sialic acid synthase. <i>Biochemical and Biophysical Research Communications</i> , 2002, 295, 167-173.	1.0	15
120	Inter- and intramolecular alcohol additions to exo-glycals. <i>Tetrahedron Letters</i> , 2002, 43, 6515-6519.	0.7	27
121	Studies on the immuno-Modulating and antitumor activities of <i>Ganoderma lucidum</i> (Reishi) polysaccharides: functional and proteomic analyses of a fucose-Containing glycoprotein fraction responsible for the activities. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 1057-1062.	1.4	218
122	The synthesis of l-gulose and l-xylose from d-gluconolactone. <i>Tetrahedron</i> , 2002, 58, 253-259.	1.0	23
123	Acid-Catalyzed Hydrolysis and Lactonization of $\alpha$ 2,8-Linked Oligosialic Acids. <i>Journal of Organic Chemistry</i> , 2001, 66, 5248-5251.	1.7	15
124	Facile synthesis of conjugated exo-glycals. <i>Tetrahedron Letters</i> , 2001, 42, 6907-6910.	0.7	39
125	Expedient synthesis of C-glycosyl conjugated dienes and aldehydes from sugar lactones. <i>Tetrahedron Letters</i> , 2001, 42, 4657-4660.	0.7	33
126	Enzymatic and Chemical Approaches for the Synthesis of Sialyl Glycoconjugates. <i>Advances in Experimental Medicine and Biology</i> , 2001, 491, 215-230.	0.8	2



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127	Regioselective Lactonization of Tetrasialic Acid. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 772-776.	7.2	14
128	The expeditious preparation and reactivity of some protected forms of gluconolactones. <i>Tetrahedron Letters</i> , 2000, 41, 2569-2572.	0.7	4
129	Regeneration of PAPS for the Enzymatic Synthesis of Sulfated Oligosaccharides. <i>Journal of Organic Chemistry</i> , 2000, 65, 5565-5574.	1.7	94
130	Regioselective Lactonization of $\alpha$ -D-Glucosyl-2,3,6-trisialic Acid. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 686-689.	7.2	17
131	Design, Synthesis, and Biochemical Evaluation of Phosphonate and Phosphoramidate Analogs of Glutathionylspermidine as Inhibitors of Glutathionylspermidine Synthetase/Amidase from <i>Escherichia coli</i> . <i>Journal of Medicinal Chemistry</i> , 1997, 40, 3842-3850.	2.9	35
132	Why Is CMP-Ketodeoxyoctonate Highly Unstable?. <i>Biochemistry</i> , 1997, 36, 780-785.	1.2	35
133	Evidence for a Glutathionyl-Enzyme Intermediate in the Amidase Activity of the Bifunctional Glutathionylspermidine Synthetase/Amidase from <i>Escherichia coli</i> . <i>Biochemistry</i> , 1997, 36, 14930-14938.	1.2	28
134	Dissection of Glutathionylspermidine Synthetase/Amidase from <i>Escherichia coli</i> into Autonomously Folding and Functional Synthetase and Amidase Domains. <i>Journal of Biological Chemistry</i> , 1997, 272, 2429-2436.	1.6	34
135	Aldehyde and phosphinate analogs of glutathione and glutathionylspermidine: potent, selective binding inhibitors of the <i>E. coli</i> bifunctional glutathionylspermidine synthetase/amidase. <i>Chemistry and Biology</i> , 1997, 4, 859-866.	6.2	22
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