

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	Studies on the immuno-Modulating and antitumor activities of Ganoderma lucidum (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
2	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
3	Galectin-3 is required for the microglia-mediated brain inflammation in a model of Huntington's disease. <i>Nature Communications</i> , 2019, 10, 3473.	5.8	153
4	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
5	Studies on the immuno-modulating and anti-tumor activities of Ganoderma lucidum (Reishi) polysaccharides. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 5595-5601.	1.4	139
6	Structure and Mechanism of Helicobacter pylori Fucosyltransferase. <i>Journal of Biological Chemistry</i> , 2007, 282, 9973-9982.	1.6	113
7	Rapid Diversity-Oriented Synthesis in Microtiter Plates for In Situ Screening: Discovery of Potent and Selective α -Fucosidase Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4661-4664.	7.2	107
8	Regeneration of PAPS for the Enzymatic Synthesis of Sulfated Oligosaccharides. <i>Journal of Organic Chemistry</i> , 2000, 65, 5565-5574.	1.7	94
9	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
10	Synthesis of α -galactosyl ceramide and the related glycolipids for evaluation of their activities on mouse splenocytes. <i>Tetrahedron</i> , 2005, 61, 1855-1862.	1.0	77
11	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
12	Role for α -fucosidase in the control of Helicobacter pylori-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
13	Development of fucosyltransferase and fucosidase inhibitors. <i>Chemical Society Reviews</i> , 2013, 42, 4459.	18.7	69
14	β -Glucuronidases of opportunistic bacteria are the major contributors to xenobiotic-induced toxicity in the gut. <i>Scientific Reports</i> , 2018, 8, 16372.	1.6	69
15	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
16	Stereochemistry in the Synthesis and Reaction of exo-Glycols. <i>Journal of Organic Chemistry</i> , 2002, 67, 3773-3782.	1.7	67
17	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
18	Carboxyl Terminus of Helicobacter pylori α 1,3-Fucosyltransferase Determines the Structure and Stability. <i>Biochemistry</i> , 2006, 45, 8108-8116.	1.2	62

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19	Enzymic Synthesis and Regeneration of 3'-Phosphoadenosine 5'-Phosphosulfate (PAPS) for Regioselective Sulfation of Oligosaccharides. <i>Journal of the American Chemical Society</i> , 1995, 117, 8031-8032.	6.6	59
20	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
21	Dissecting the Structure-Activity Relationship of Galectin-Ligand Interactions. <i>International Journal of Molecular Sciences</i> , 2018, 19, 392.	1.8	58
22	Dual binding sites for translocation catalysis by <i>Escherichia coli</i> glutathionylspermidine synthetase. <i>EMBO Journal</i> , 2006, 25, 5970-5982.	3.5	55
23	Discovery of Picomolar Slow Tight-Binding Inhibitors of α -Fucosidase. <i>Chemistry and Biology</i> , 2004, 11, 1301-1306.	6.2	54
24	Gain of α -Alanyl-d-lactate and α -Lactyl-d-alanine Synthetase Activities in Three Active-Site Mutants of the <i>Escherichia coli</i> α -Alanyl-d-alanine Ligase. <i>Biochemistry</i> , 1996, 35, 10464-10471.	1.2	49
25	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
26	Cell Intrinsic Galectin-3 Attenuates Neutrophil ROS-Dependent Killing of <i>Candida</i> by Modulating CR3 Downstream Syk Activation. <i>Frontiers in Immunology</i> , 2017, 8, 48.	2.2	41
27	Facile synthesis of conjugated exo-glycals. <i>Tetrahedron Letters</i> , 2001, 42, 6907-6910.	0.7	39
28	Development of GlcNAc-Inspired Iminocyclitols as Potent and Selective N-Acetyl- α -Hexosaminidase Inhibitors. <i>ACS Chemical Biology</i> , 2010, 5, 489-497.	1.6	39
29	Structural Basis Underlying the Binding Preference of Human Galectins-1, -3 and -7 for Gal β 1-3/4GlcNAc. <i>PLoS ONE</i> , 2015, 10, e0125946.	1.1	39
30	Novel inhibitors of trypanothione biosynthesis: Synthesis and evaluation of a phosphinate analog of glutathionyl spermidine (GSP), a potent, slow-binding inhibitor of GSP synthetase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997, 7, 505-510.	1.0	36
31	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
32	Characterization of <i>Helicobacter pylori</i> α -1,2-Fucosyltransferase for Enzymatic Synthesis of Tumor-Associated Antigens. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2313-2321.	2.1	36
33	Identification of Essential Residues of Human α -Fucosidase and Tests of Its Mechanism. <i>Biochemistry</i> , 2009, 48, 110-120.	1.2	36
34	Structural Basis of α -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
35	Rapid characterization of sugar-binding specificity by in-solution proximity binding with photosensitizers. <i>Glycobiology</i> , 2011, 21, 895-902.	1.3	36
36	Bioorthogonal Fluorescent Nanodiamonds for Continuous Long-Term Imaging and Tracking of Membrane Proteins. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19774-19781.	4.0	36

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37	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
38	Why Is CMP-Ketodeoxyoctonate Highly Unstable?. <i>Biochemistry</i> , 1997, 36, 780-785.	1.2	35
39	Stereoselective Glycosylation of exo-Glycals Accelerated by Ferrier-Type Rearrangement. <i>Organic Letters</i> , 2003, 5, 1087-1089.	2.4	35
40	Protein S-Thiolation by Glutathionylspermidine (Gsp). <i>Journal of Biological Chemistry</i> , 2010, 285, 25345-25353.	1.6	35
41	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
42	Expeditious synthesis of C-glycosyl conjugated dienes and aldehydes from sugar lactones. <i>Tetrahedron Letters</i> , 2001, 42, 4657-4660.	0.7	33
43	Structure-Based Design and Synthesis of Highly Potent SARS-CoV 3CL Protease Inhibitors. <i>ChemBioChem</i> , 2007, 8, 1654-1657.	1.3	33
44	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
45	Identification of Hydrophobic Residues Critical for DPP-IV Dimerization. <i>Biochemistry</i> , 2006, 45, 7006-7012.	1.2	32
46	Correlative Light-Electron Microscopy of Lipid-Encapsulated Fluorescent Nanodiamonds for Nanometric Localization of Cell Surface Antigens. <i>Analytical Chemistry</i> , 2018, 90, 1566-1571.	3.2	32
47	Discovery of a Dual Function Cytochrome P450 that Catalyzes Enyne Formation in Cyclohexanoid Terpene Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13537-13541.	7.2	31
48	Expeditious Synthesis of Tri- and Tetrahydrozazepanes from d-(α^7)-Quinic Acid as Potent Glycosidase Inhibitors. <i>Journal of Organic Chemistry</i> , 2007, 72, 4258-4261.	1.7	30
49	Stereoselective glycosylation of endo-glycals by microwave- and AlCl ₃ -assisted catalysis. <i>Tetrahedron</i> , 2011, 67, 6362-6368.	1.0	30
50	One-Pot Bioconversion of <i>D</i> -Arabinose to <i>D</i> -Ribulose in an Enzymatic Cascade. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2428-2432.	7.2	30
51	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
52	In Vivo Tagging and Characterization of ϵ -Glutathionylated Proteins by a Chemoenzymatic Method. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5871-5875.	7.2	29
53	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
54	Temporal regulation of Lsp1 O-GlcNAcylation and phosphorylation during apoptosis of activated B cells. <i>Nature Communications</i> , 2016, 7, 12526.	5.8	28

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55	Stromal C-type lectin receptor COLEC12 integrates H. pylori, PGE2-EP2/4 axis and innate immunity in gastric diseases. <i>Scientific Reports</i> , 2018, 8, 3821.	1.6	28
56	Inter- and intramolecular alcohol additions to exo-glycals. <i>Tetrahedron Letters</i> , 2002, 43, 6515-6519.	0.7	27
57	Discovery of Different Types of Inhibition between the Human and <i>Thermotoga maritima</i> α -Fucosidases by Fuconojirimycin-Based Derivatives. <i>Biochemistry</i> , 2006, 45, 5695-5702.	1.2	27
58	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
59	Chemoenzymatic synthesis of cholesteryl-6-O-tetradecanoyl- α -D-glucopyranoside: a product of host cholesterol efflux promoted by <i>Helicobacter pylori</i> . <i>Chemical Communications</i> , 2012, 48, 9083.	2.2	26
60	Synthesis of Sialyl TN Glycopeptides - Enzymatic Sialylation by α 2,6-Sialyltransferase from <i>Photobacterium damsela</i> . <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 967-972.	2.1	25
61	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
62	Synthesis and Characterization of Sulfated GalNAc-1,3/4-GlcNAc Disaccharides through Consecutive Protection/Glycosylation Steps. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1536-1550.	1.7	24
63	<i>Helicobacter pylori</i> induces intracellular galectin-8 aggregation around damaged lysosomes within gastric epithelial cells in a host O-glycan-dependent manner. <i>Glycobiology</i> , 2019, 29, 151-162.	1.3	24
64	The synthesis of l-gulose and l-xylose from d-gluconolactone. <i>Tetrahedron</i> , 2002, 58, 253-259.	1.0	23
65	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
66	A flexible 1,2-cis α -glycosylation strategy based on in situ adduct transformation. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5345-5356.	1.5	23
67	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
68	Aldehyde and phosphinate analogs of glutathione and glutathionylspermidine: potent, selective binding inhibitors of the E. coli bifunctional glutathionylspermidine synthetase/amidase. <i>Chemistry and Biology</i> , 1997, 4, 859-866.	6.2	22
69	Stereoselective glycosylation of exo-glycals by microwave-assisted Ferrier rearrangement. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 297-301.	1.8	22
70	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
71	CMP-KDO synthetase: Overproduction and application to the synthesis of CMP-KDO and analogs. <i>Bioorganic and Medicinal Chemistry</i> , 1995, 3, 313-320.	1.4	21
72	Development of Activity-Based Probes for Imaging Human α -Fucosidases in Cells. <i>Journal of Organic Chemistry</i> , 2015, 80, 8458-8463.	1.7	21

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73	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
74	Cholesteryl β -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
75	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
76	Regioselective Lactonization of β -(2 \rightarrow 8)-Trisialic Acid. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 686-689.	7.2	17
77	Structural and Thermodynamic Analyses of β -Fucosidase Inhibitors. <i>ChemBioChem</i> , 2010, 11, 1971-1974.	1.3	17
78	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
79	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
80	Entropy-driven binding of gut bacterial β -glucuronidase inhibitors ameliorates irinotecan-induced toxicity. <i>Communications Biology</i> , 2021, 4, 280.	2.0	17
81	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
82	Acid-Catalyzed Hydrolysis and Lactonization of β 2,8-Linked Oligosialic Acids. <i>Journal of Organic Chemistry</i> , 2001, 66, 5248-5251.	1.7	15
83	Structural characterization of <i>Escherichia coli</i> sialic acid synthase. <i>Biochemical and Biophysical Research Communications</i> , 2002, 295, 167-173.	1.0	15
84	Characterization of Protein Serotonylation via Bioorthogonal Labeling and Enrichment. <i>Journal of Proteome Research</i> , 2014, 13, 3523-3529.	1.8	15
85	Regioselective Lactonization of Tetrasialic Acid. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 772-776.	7.2	14
86	Hydrolysis, lactonization, and identification of β (2 \rightarrow 8)/ β (2 \rightarrow 9) alternatively linked tri-, tetra-, and polysialic acids. <i>Glycobiology</i> , 2003, 14, 147-155.	1.3	14
87	Synthesis of polyhydroxy 7- and N-alkyl-azepanes as potent glycosidase inhibitors. <i>Carbohydrate Research</i> , 2011, 346, 183-190.	1.1	14
88	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
89	Rapid synthesis of oligomannosides with orthogonally protected monosaccharides. <i>Chemical Communications</i> , 2013, 49, 4265-4267.	2.2	14
90	Lactose Binding Induces Opposing Dynamics Changes in Human Galectins Revealed by NMR-Based Hydrogen-Deuterium Exchange. <i>Molecules</i> , 2017, 22, 1357.	1.7	13

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91	Stereoselective Synthesis of Spiro Bis-<i>C,C</i>-1,3-arylglycosides by Tandem Heck Type <i>C</i>-Glycosylation and Friedel-Crafts Cyclization. <i>Journal of Organic Chemistry</i> , 2016, 81, 3007-3016.	1.7	12
92	Chemoenzymatic Synthesis of GDP-Fucose Derivatives as Potent and Selective 1,3-Fucosyltransferase Inhibitors. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1750-1758.	2.1	11
93	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
94	Detection of Human 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
95	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
96	Inter- and intramolecular glycosylation of exo-glycals promoted by metallic Lewis acids. <i>Carbohydrate Research</i> , 2006, 341, 1428-1437.	1.1	10
97	Microwave-assisted stereoselective 1,2-deoxyglycosylation of hex-1-en-3-uloses. <i>Tetrahedron Letters</i> , 2009, 50, 7327-7329.	0.7	10
98	Profiling of influenza viruses by high-throughput carbohydrate membrane array. <i>Future Medicinal Chemistry</i> , 2011, 3, 283-296.	1.1	10
99	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
100	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
101	Intracellular galectins control cellular responses commensurate with cell surface carbohydrate composition. <i>Glycobiology</i> , 2020, 30, 36-48.	1.3	10
102	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
103	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
104	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
105	Selection of galectin-3 ligands derived from genetically encoded glycopeptide libraries. <i>Peptide Science</i> , 2019, 111, e24097.	1.0	9
106	Polyhydroxylated pyrrolidine and 2-oxapyrrolizidine as glycosidase inhibitors. <i>MedChemComm</i> , 2013, 4, 783.	3.5	8
107	Regioselective and reductive cleavage of allyl ethers by NaBH ₄ -HOAc. <i>Tetrahedron</i> , 2013, 69, 3991-3999.	1.0	8
108	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

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109	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
110	Synthesis of β -2-deoxy-ulosides by Michael addition of hex-1-en-3-ones. <i>Tetrahedron</i> , 2013, 69, 2494-2500.	1.0	7
111	Hepatocellular Carcinoma Diagnosis by Detecting β -Fucosidase with a Silicon Nanowire Field-Effect Transistor Biosensor. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, Q3153-Q3158.	0.9	7
112	Diverse Synthesis of Natural Trehalosamines and Synthetic 1,1'-Disaccharide Aminoglycosides. <i>ChemBioChem</i> , 2019, 20, 287-294.	1.3	7
113	Carbohydrate Ligands for COVID-19 Spike Proteins. <i>Viruses</i> , 2022, 14, 330.	1.5	7
114	Expeditious Synthesis of Orthogonally Protected Saccharides through Consecutive Protection/Glycosylation Steps. <i>Israel Journal of Chemistry</i> , 2015, 55, 325-335.	1.0	6
115	Synthesis of a β -D-Glucopyranosyl Sulfone and Inhibitory Activity Evaluation Against <i>N-Acetylglucosaminyltransferase I</i> . <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6179-6191.	1.2	6
116	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
117	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
118	Quantification and Imaging of Antigens on Cell Surface with Lipid-Encapsulated Fluorescent Nanodiamonds. <i>Micromachines</i> , 2019, 10, 304.	1.4	5
119	One-Pot Bioconversion of <i>D</i> -Arabinose to <i>D</i> -Ribulose in an Enzymatic Cascade. <i>Angewandte Chemie</i> , 2019, 131, 2450-2454.	1.6	5
120	Design, synthesis and molecular docking study of β -triazolylysialosides as non-hydrolyzable and potent CD22 ligands. <i>European Journal of Medicinal Chemistry</i> , 2020, 208, 112707.	2.6	5
121	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
122	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
123	The expeditious preparation and reactivity of some protected forms of gluconolactones. <i>Tetrahedron Letters</i> , 2000, 41, 2569-2572.	0.7	4
124	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
125	Development of transition state analogue inhibitors for N-acetylglucosyltransferases bearing D-psicose or D-tagatofuranose scaffolds. <i>Chemical Papers</i> , 2015, 69, .	1.0	4
126	Stereoselective glycosylation of d-galactals by diethyl phosphorochloridite- and AlCl ₃ -assisted Ferrier rearrangement. <i>Tetrahedron</i> , 2015, 71, 350-358.	1.0	4

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127	Potent and orally active purine-based fetal hemoglobin inducers for treating β^2 -thalassemia and sickle cell disease. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112938.	2.6	4
128	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
129	Towards inhibitors of glycosyltransferases: A novel approach to the synthesis of 3-acetamido-3-deoxy-D-psicofuranose derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 1547-1552.	1.3	3
130	NMR assignments of the C-terminal domain of human galectin-8. <i>Biomolecular NMR Assignments</i> , 2015, 9, 427-430.	0.4	3
131	Enhanced enzymatic production of cholesteryl 6 β -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
132	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
133	Galectin-3 facilitates cell-to-cell HIV-1 transmission by altering the composition of membrane lipid rafts in CD4 T cells. <i>Glycobiology</i> , 0, , .	1.3	2
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140	Metabolic Isolation, Stereochemical Determination, and Total Synthesis of Predominant Native Cholesteryl Phosphatidyl- β -glucoside from Carcinogenic <i>Helicobacter pylori</i> . <i>Organic Letters</i> , 2022, 24, 5045-5050.	2.4	0