

Lin Liu

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,093
citations

516710

16
h-index

552781

26
g-index

31
all docs

31
docs citations

31
times ranked

1608
citing authors

#	ARTICLE	IF	CITATIONS
1	An automated platform for the enzyme-mediated assembly of complex oligosaccharides. <i>Nature Chemistry</i> , 2019, 11, 229-236.	13.6	124
2	Synthesis of asymmetrical multiantennary human milk oligosaccharides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6954-6959.	7.1	118
3	Heparan Sulfate Proteoglycans as Attachment Factor for SARS-CoV-2. <i>ACS Central Science</i> , 2021, 7, 1009-1018.	11.3	113
4	Streamlining the chemoenzymatic synthesis of complex N-glycans by a stop and go strategy. <i>Nature Chemistry</i> , 2019, 11, 161-169.	13.6	94
5	N-Glycolylneuraminic Acid as a Receptor for Influenza A Viruses. <i>Cell Reports</i> , 2019, 27, 3284-3294.e6.	6.4	78
6	Improved isolation and characterization procedure of sialylglycopeptide from egg yolk powder. <i>Carbohydrate Research</i> , 2017, 452, 122-128.	2.3	68
7	Network inference from glycoproteomics data reveals new reactions in the IgG glycosylation pathway. <i>Nature Communications</i> , 2017, 8, 1483.	12.8	67
8	Synthesis of <i>Staphylococcus aureus</i> Type 5 Trisaccharide Repeating Unit: Solving the Problem of Lactamization. <i>Organic Letters</i> , 2015, 17, 928-931.	4.6	40
9	Divergent Chemoenzymatic Synthesis of Asymmetrical Core Fucosylated and Core Unmodified N-Glycans. <i>Chemistry - A European Journal</i> , 2016, 22, 18742-18746.	3.3	38
10	Human N-acetylglucosaminyltransferase II substrate recognition uses a modular architecture that includes a convergent exosite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4637-4642.	7.1	37
11	A Fluorous Phosphate Protecting Group with Applications to Carbohydrate Synthesis. <i>Organic Letters</i> , 2011, 13, 1824-1827.	4.6	32
12	Synthetic Enterobacterial Common Antigen (ECA) for the Development of a Universal Immunotherapy for Drug Resistant Enterobacteriaceae. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10953-10957.	13.8	32
13	Synthetic O-acetylated sialosides facilitate functional receptor identification for human respiratory viruses. <i>Nature Chemistry</i> , 2021, 13, 496-503.	13.6	31
14	Mining High-Complexity Motifs in Glycans: A New Language To Uncover the Fine Specificities of Lectins and Glycosidases. <i>Analytical Chemistry</i> , 2017, 89, 12342-12350.	6.5	28
15	Cell surface glycan engineering reveals that matriglycan alone can recapitulate dystroglycan binding and function. <i>Nature Communications</i> , 2022, 13, .	12.8	23
16	Characterizing human α -1,6-fucosyltransferase (FUT8) substrate specificity and structural similarities with related fucosyltransferases. <i>Journal of Biological Chemistry</i> , 2020, 295, 17027-17045.	3.4	19
17	Label-Free Detection of Glycan-Protein Interactions for Array Development by Surface-Enhanced Raman Spectroscopy (SERS). <i>Chemistry - A European Journal</i> , 2016, 22, 11180-11185.	3.3	18
18	4,6-O-Pyruvyl Ketal Modified N-Acetylmannosamine of the Secondary Cell Wall Polysaccharide of <i>Bacillus anthracis</i> Is the Anchoring Residue for Its Surface Layer Proteins. <i>Journal of the American Chemical Society</i> , 2018, 140, 17079-17085.	13.7	17

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19	Multigram Synthesis of Isobutyl- β -D-galactoside as a Substitute of Isopropylthiogalactoside for Exogenous Gene Induction in Mammalian Cells. <i>Journal of Organic Chemistry</i> , 2012, 77, 1539-1546.	3.2	15
20	Regioselective Benzoylation of 2-Deoxy-2-Aminosugars using Crown Ethers: Application to a Shortened Synthesis of Hyaluronic Acid Oligomers. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2247-2256.	4.3	11
21	Synthesis of a series of maltotriose phosphates with an evaluation of the utility of a fluorine phosphate protecting group. <i>Carbohydrate Research</i> , 2013, 369, 14-24.	2.3	10
22	Salt-free fractionation of complex isomeric mixtures of glycosaminoglycan oligosaccharides compatible with ESI-MS and microarray analysis. <i>Scientific Reports</i> , 2019, 9, 16566.	3.3	7
23	Synthetic <i>O</i> -Acetylated Sialosides and their Acetamido-deoxy Analogues as Probes for Coronaviral Hemagglutinin-esterase Recognition. <i>Journal of the American Chemical Society</i> , 2022, 144, 424-435.	13.7	4
24	Synthetic <i>O</i> -Acetyl- <i>N</i> -glycolylneuraminic Acid Oligosaccharides Reveal Host-Associated Binding Patterns of Coronaviral Glycoproteins. <i>ACS Infectious Diseases</i> , 2022, 8, 1041-1050.	3.8	3
25	A mass-differentiated library strategy for identification of sugar nucleotidyltransferase activities from cell lysates. <i>Analytical Biochemistry</i> , 2013, 441, 8-12.	2.4	1
26	5,6,6a,7,8,8a-Hexahydro-6a,7-dihydroxy-13bH-indeno[2,1-c]phenanthren-9(13cH)-one hemihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o2216-o2218.	0.2	0