Li Cai

List of Publications by Year
in descending order

47	1,524	346980	355658
papers	citations	22 h-index	38 g-index

59	59	59	1948
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of monophosphorylated lipid A precursors using 2-naphthylmethyl ether as a protecting group. Beilstein Journal of Organic Chemistry, 2020, 16, 1955-1962.	1.3	2
2	One-Pot Multienzyme Synthesis of Rare Ketoses from Glycerol. Journal of Agricultural and Food Chemistry, 2020, 68, 1347-1353.	2.4	24
3	An Isotope-Coded Photocleavable Probe for Quantitative Profiling of Protein O-GlcNAcylation. ACS Chemical Biology, 2019, 14, 4-10.	1.6	54
4	Highly regioselective dehexanoylation in fully hexanoylated flavonoids. Tetrahedron Letters, 2018, 59, 4442-4447.	0.7	3
5	Synthesis of flavonoid 2-deoxyglucosides via the Mitsunobu reaction. Tetrahedron Letters, 2018, 59, 3773-3776.	0.7	8
6	Crystal structure of tebipenem pivoxil. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1215-1217.	0.2	5
7	Recent advances in the synthesis of rare sugars using DHAP-dependent aldolases. Carbohydrate Research, 2017, 452, 108-115.	1.1	24
8	Facile synthesis of acacetin and its derivatives. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3577-3580.	1.0	12
9	Targeting Tumor Cells by Natural Anti-Carbohydrate Antibodies Using Rhamnose-Functionalized Liposomes. ACS Chemical Biology, 2016, 11, 1205-1209.	1.6	36
10	Transforming Flask Reaction into Cell-Based Synthesis: Production of Polyhydroxylated Molecules via Engineered Escherichia coli. ACS Catalysis, 2015, 5, 4060-4065.	5.5	24
11	Characterization of glycerol phosphate oxidase from Streptococcus pneumoniae and its application for ketose synthesis. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 504-507.	1.0	6
12	Synthesis of D-Sorbose and D-Psicose by RecombinantEscherichia coli. Journal of Carbohydrate Chemistry, 2015, 34, 349-357.	0.4	10
13	Enzymatic synthesis of rare sugars with l-rhamnulose-1-phosphate aldolase from Thermotoga maritima MSB8. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3980-3983.	1.0	10
14	Labeling of Enveloped Virus via Metabolic Incorporation of Azido Sugars. Bioconjugate Chemistry, 2015, 26, 1868-1872.	1.8	30
15	Solvent-Free Per-O-acetylation of Carbohydrates. Asian Journal of Chemistry, 2014, 26, 4367-4369.	0.1	4
16	Thin Layer Chromatography. Current Protocols in Essential Laboratory Techniques, 2014, 8, 6.3.1.	2.6	25
17	In Vivo Virus-Based Macrofluorogenic Probes Target Azide-Labeled Surface Glycans in MCF-7 Breast Cancer Cells. Molecular Pharmaceutics, 2013, 10, 43-50.	2.3	7
18	Incorporation of azide sugar analogue decreases tumorigenic potential of breast cancer cells by reducing cancer stem cell population. Science China Chemistry, 2013, 56, 279-285.	4.2	4

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19	One-pot three-enzyme synthesis of UDP-Glc, UDP-Gal, and their derivatives. Carbohydrate Research, 2013, 373, 76-81.	1.1	18
20	Biosynthesis of rare hexoses using microorganisms and related enzymes. Beilstein Journal of Organic Chemistry, 2013, 9, 2434-2445.	1.3	74
21	Recent Progress in Enzymatic Synthesis of Sugar Nucleotides. Journal of Carbohydrate Chemistry, 2012, 31, 535-552.	0.4	31
22	Defining Function of Lipopolysaccharide O-antigen Ligase WaaL Using Chemoenzymatically Synthesized Substrates. Journal of Biological Chemistry, 2012, 287, 5357-5365.	1.6	68
23	The wciN Gene Encodes an Î±-1,3-Galactosyltransferase Involved in the Biosynthesis of the Capsule Repeating Unit of Streptococcus pneumoniae Serotype 6B. Biochemistry, 2012, 51, 5804-5810.	1.2	35
24	One-pot four-enzyme synthesis of ketoses with fructose 1,6-bisphosphate aldolases from Staphylococcus carnosus and rabbit muscle. Carbohydrate Research, 2012, 357, 143-146.	1.1	20
25	Discovery of glycosyltransferases using carbohydrate arrays and mass spectrometry. Nature Chemical Biology, 2012, 8, 769-773.	3.9	118
26	Substrate specificity of galactokinase from Streptococcus pneumoniae TIGR4 towards galactose, glucose, and their derivatives. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 3540-3543.	1.0	22
27	<scp>l</scp>-Rhamnose Antigen: A Promising Alternative to Î±-Gal for Cancer Immunotherapies. ACS Chemical Biology, 2011, 6, 185-191.	1.6	42
28	Substrate Promiscuity of N-Acetylhexosamine 1-Kinases. Molecules, 2011, 16, 6396-6407.	1.7	74
29	Synthesis of rare sugars with l-fuculose-1-phosphate aldolase (FucA) from Thermus thermophilus HB8. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5084-5087.	1.0	35
30	Enzymatic synthesis of a 6-sialyl lactose analogue using a pH-responsive water-soluble polymer support. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5041-5044.	1.0	7
31	Combining carbochips and mass spectrometry to study the donor specificity for the Neisseria meningitidis Î²1,3-N-acetylglucosaminyltransferase LgtA. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5025-5028.	1.0	18
32	Enzymatic synthesis of d-sorbose and d-psicose with aldolase RhaD: Effect of acceptor configuration on enzyme stereoselectivity. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 7081-7084.	1.0	34
33	Enzymatic synthesis and properties of uridine-5â€²-O-(2-thiodiphospho)-N-acetylglucosamine. Carbohydrate Research, 2011, 346, 1576-1580.	1.1	9
34	Highly Efficient Synthesis of UDPâ€GalNAc/GlcNAc Analogues with Promiscuous Recombinant Human UDPâ€GalNAc Pyrophosphorylase AGX1. Chemistry - A European Journal, 2010, 16, 13343-13345.	1.7	44
35	Efficient synthesis of galactosylceramide analogues for iNKT cell stimulation. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 3859-3862.	1.0	15
36	In vitro bacterial polysaccharide biosynthesis: defining the functions of Wzy and Wzz. Nature Chemical Biology, 2010, 6, 418-423.	3.9	144

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37	Enzymatic route to preparative-scale synthesis of UDPâ€“GlcNAc/GalNAc, their analogues and GDPâ€“fucose. Nature Protocols, 2010, 5, 636-646.	5.5	98
38	Chemoenzymatic Synthesis of Uridine 5â€²-Diphospho-2-acetonyl-2-deoxy-Î±-<scp>d</scp>-glucose as C₂-Carbon Isostere of UDP-GlcNAc. Journal of Organic Chemistry, 2010, 75, 3492-3494.	1.7	14
39	Highly efficient chemoenzymatic synthesis of Î²1â€“3-linked galactosides. Chemical Communications, 2010, 46, 7507.	2.2	72
40	Substrate specificity of N-acetylhexosamine kinase towards N-acetylgalactosamine derivatives. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 5433-5435.	1.0	41
41	Systematic study on the broad nucleotide triphosphate specificity of the pyrophosphorylase domain of the N-acetylglucosamine-1-phosphate uridyltransferase from Escherichia coli K12. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6429-6432.	1.0	14
42	A chemoenzymatic route to N-acetylglucosamine-1-phosphate analogues: substrate specificity investigations of N-acetylhexosamine 1-kinase. Chemical Communications, 2009, , 2944.	2.2	76
43	Enzymatic synthesis of UDP-GlcNAc/UDP-GalNAc analogs using N-acetylglucosamine 1-phosphate uridyltransferase (GlmU). Chemical Communications, 2009, , 6976.	2.2	48
44	Studies on the synthesis of neamine-dinucleosides and neamine-PNA conjugates and their interaction with RNA. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5355-5358.	1.0	17
45	Synthesis of aminodisaccharideâ€“nucleoside conjugates for RNA binding. Tetrahedron, 2007, 63, 8135-8144.	1.0	19
46	Selective deacetylation using iodineâ€“methanol reagent in fully acetylated nucleosides. Tetrahedron Letters, 2005, 46, 8083-8086.	0.7	28
47	C2-Carbon Isostere of N-acetylglucosamine as Substrate for Bacterial Polysaccharide Remodeling. American Journal of Biomedical Sciences, 0, , 107-115.	0.2	0