Yukishige Ito

List of Publications by Year
in descending order

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445 papers	14,387 citations	20817 60 h-index	39675 94 g-index
545 all docs	545 docs citations	545 times ranked	7648 citing authors

#	Article	IF	Citations
1	A Potent and Broad Neutralizing Antibody Recognizes and Penetrates the HIV Glycan Shield. Science, 2011, 334, 1097-1103.	12.6	644
2	Dodeca-CLE Peptides as Suppressors of Plant Stem Cell Differentiation. Science, 2006, 313, 842-845.	12.6	567
3	E3 ubiquitin ligase that recognizes sugar chains. Nature, 2002, 418, 438-442.	27.8	341
4	Orthogonal Glycosylation Strategy in Oligosaccharide Synthesis. Journal of the American Chemical Society, 1994, 116, 12073-12074.	13.7	313
5	A Novel Approach to the Stereoselective Synthesis ofÎ²-Mannosides. Angewandte Chemie International Edition in English, 1994, 33, 1765-1767.	4.4	242
6	Enantioselective synthesis of the carbocyclic nucleosides (-)-aristeromycin and (-)-neplanocin A by a chemicoenzymatic approach. Journal of the American Chemical Society, 1983, 105, 4049-4055.	13.7	197
7	An efficient approach to O-glycosides through CuBr2-Bu4NBr mediated activation of glycosides. Carbohydrate Research, 1986, 155, C6-C10.	2.3	179
8	Recent advances in stereoselective glycosylation through intramolecular aglycon delivery. Organic and Biomolecular Chemistry, 2010, 8, 3596.	2.8	162
9	N-Benzyl-2,3-oxazolidinone as a Glycosyl Donor for Selective Î±-Glycosylation and One-Pot Oligosaccharide Synthesis Involving 1,2-cis-Glycosylation. Journal of the American Chemical Society, 2006, 128, 10666-10667.	13.7	141
10	Synthesis of Monoglucosylated High-Mannose-Type Dodecasaccharide, a Putative Ligand for Molecular Chaperone, Calnexin, and Calreticurin. Journal of the American Chemical Society, 2003, 125, 3402-3403.	13.7	135
11	Benzeneselenenyl triflate as a promoter of thioglycosides : A new method for O-glycosylation using thioglycosides. Tetrahedron Letters, 1988, 29, 1061-1064.	1.4	131
12	Intramolecular Aglycon Delivery on Polymer Support:Â Gatekeeper Monitored Glycosylation. Journal of the American Chemical Society, 1997, 119, 5562-5566.	13.7	130
13	Stereoselective Synthesis of a Fragment of Mycobacterial Arabinan. Organic Letters, 2006, 8, 5525-5528.	4.6	113
14	Total synthesis of X hapten, III3 FucÎ±-nLc4 Cer. Carbohydrate Research, 1987, 167, 197-210.	2.3	109
15	Synthesis of branched poly-N-acetyl-lactosamine type pentaantennary pentacosasaccharide: Glycan part of a glycosyl ceramide from rabbit erythrocyte membrane. Tetrahedron Letters, 1993, 34, 1061-1064.	1.4	109
16	Orthogonal Glycosylation Strategy for Rapid Assembly of Oligosaccharides on a Polymer Support. Angewandte Chemie International Edition in English, 1996, 35, 2510-2512.	4.4	109
17	The Recognition Motif of the Glycoprotein-Folding Sensor Enzyme UDP-Glc:Glycoprotein Glucosyltransferase. Biochemistry, 2009, 48, 2933-2940.	2.5	109
18	A Convergent and Stereocontrolled Synthetic Route to the Core Pentasaccharide Structure of Asparagine-Linked Glycoproteins. Journal of Organic Chemistry, 1995, 60, 4680-4681.	3.2	108

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19	Synthetic studies on cell-surface glycans. 65. Highly stereoselective synthesis of ganglioside GD3. Journal of the American Chemical Society, 1989, 111, 8508-8510.	13.7	106
20	Visualizing specific protein glycoforms by transmembrane fluorescence resonance energy transfer. Nature Communications, 2012, 3, 907.	12.8	103
21	Sulfenate esters as glycosyl acceptors: A novel approach to the synthesis of 2-deoxyglycosides. Tetrahedron Letters, 1987, 28, 2723-2726.	1.4	101
22	Synthesis of Docosasaccharide Arabinan Motif of Mycobacterial Cell Wall. Journal of the American Chemical Society, 2011, 133, 2275-2291.	13.7	100
23	Highly Optimized Î²-Mannosylation via p-Methoxybenzyl Assisted Intramolecular Aglycon Delivery. Synlett, 1998, 1998, 1102-1104.	1.8	95
24	Highly stereoselective glycosylation of sialic acid aided by stereocontrolling auxiliaries. Tetrahedron, 1990, 46, 89-102.	1.9	92
25	Synthetic Substrates for an Endoplasmic Reticulum Protein-Folding Sensor, UDP-Glucose: Glycoprotein Glucosyltransferase. Angewandte Chemie - International Edition, 2005, 44, 7950-7954.	13.8	91
26	Total synthesis of the mollu-series glycosyl ceramides Î±-d-Manp-(1â†'3)-Î²-d-Manp-(1â†'4)-Î²-d-Glcp-(1â†'1)-Cer and Î±-d-Manp-(1â†'3)-[Î²-d-Xylp-(1â†'2)]-Î²-d-Manp-(1â†'4)-Î²-d-Glcp-(1â†'1)-Cer. Carbohydrate Research, 1990, 195, 199-224.	2.3	90
27	N-Acetylglucosaminyltransferase IX Acts on the GlcNAcÎ²1,2-ManÎ±1-Ser/Thr Moiety, Forming a 2,6-Branched Structure in Brain O-Mannosyl Glycan. Journal of Biological Chemistry, 2004, 279, 2337-2340.	3.4	90
28	Glycerophospholipid regulation of modality-specific sensory axon guidance in the spinal cord. Science, 2015, 349, 974-977.	12.6	89
29	Substrate Specificity Analysis of Endoplasmic Reticulum Glucosidase II Using Synthetic High Mannose-type Glycans. Journal of Biological Chemistry, 2006, 281, 31502-31508.	3.4	88
30	Total synthesis of globotriaosyl-E and Z-ceramides and isoglobotriaosyl-E-ceramide. Carbohydrate Research, 1987, 163, 189-208.	2.3	85
31	Effects of Macromolecular Crowding on Glycoprotein Processing Enzymes. Journal of the American Chemical Society, 2008, 130, 2101-2107.	13.7	85
32	Highly stereoselective glycosylation of N-acetylneuraminic acid aided by a phenylthio substituent as a stereocontrolling auxilliary. Tetrahedron Letters, 1988, 29, 3987-3990.	1.4	83
33	Chirally selective synthesis of sugar moiety of nucleosides by chemicoenzymatic approach: L- and D-riboses, showdomycin, and cordycepin. Journal of the American Chemical Society, 1981, 103, 6739-6741.	13.7	82
34	An efficient approach to streoselective glycosylation of N-acetylneuraminic acid: Used of phenylselenyl group as a stereocontrolling auxillary. Tetrahedron Letters, 1987, 28, 6221-6224.	1.4	82
35	NAP Ether Mediated Intramolecular Aglycon Delivery: A Unified Strategy for 1,2â€cisâ€Glycosylation. European Journal of Organic Chemistry, 2008, 2008, 4250-4263.	2.4	81
36	An efficient approach to stereoselective glycosylation of ceramide derivatives: Use of pivaloyl group as a stereocontrolling auxiliary. Tetrahedron Letters, 1988, 29, 4097-4100.	1.4	80

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37	Sugar-binding Properties of VIP36, an Intracellular Animal Lectin Operating as a Cargo Receptor. Journal of Biological Chemistry, 2005, 280, 37178-37182.	3.4	80
38	Tag-Reporter Strategy for Facile Oligosaccharide Synthesis on Polymer Support. Journal of the American Chemical Society, 2001, 123, 3848-3849.	13.7	77
39	Comprehensive synthesis of ER related high-mannose-type sugar chains by convergent strategy. Tetrahedron, 2006, 62, 8262-8277.	1.9	76
40	Synthesis of Î±-d-Manp-(1â†'3)-[Î²-d-GlcpNAc-(1â†'4)]-[Î±-d-Manp-(1â†'6)]-Î²-d-Manp-(1â†'4)-Î²-d-GlcpNAc-(1â†'4)-[Î±-l-Fucp-(1â†'6)]-d-GlcpNAc, a core glycoheptaose of a â€œbisectedâ€•complex-type glycan of glycoproteins. Carbohydrate Research, 1990, 201, 31-50.	2.3	75
41	Autoregulation of acetylcholine release from vagus nerve terminals through activation of muscarinic receptors in the dog trachea. British Journal of Pharmacology, 1988, 93, 636-646.	5.4	72
42	Total Synthesis of Novel Subclass of Glyco-amino Acid Structure Motif:â€‰ C2-Î±-l-C-Mannosylpyranosyl-l-tryptophan. Journal of the American Chemical Society, 1999, 121, 9754-9755.	13.7	72
43	Synergistic solvent effect in 1,2-cis-glycoside formation. Tetrahedron, 2008, 64, 92-102.	1.9	72
44	Synthetic studies on biologically active natural products by a chemicoenzymatic approach. Tetrahedron, 1984, 40, 145-152.	1.9	70
45	Sulfenate esters as glycosyl acceptors: A novel approach to O-glycosides from thioglycosides and sulfenate esters. Tetrahedron Letters, 1987, 28, 4701-4704.	1.4	70
46	Î±â€•and Î²â€Glycosyl Sulfonium Ions: Generation and Reactivity. Chemistry - A European Journal, 2009, 15, 2252-2255.	3.3	70
47	Synthesis of saccharides and related polyhydroxylated natural products. 4. .alpha.-D- and .beta.-D-C-Glycopyranosides (2,6-dialkyl-substituted tetrahydropyrans). Journal of the American Chemical Society, 1982, 104, 6468-6470.	13.7	69
48	A highly stereoselective and practical synthesis of cyclomannohexaose, 1â†'}, a manno isomer of cyclomaltohexaose. Carbohydrate Research, 1989, 192, 131-146.	2.3	68
49	Benzeneselenenyl triflate as an activator of thioglycosides for glycosylation reactions. Carbohydrate Research, 1990, 202, 165-175.	2.3	68
50	Total Synthesis of Mannosyl Tryptophan and Its Derivatives. Chemistry - A European Journal, 2003, 9, 1435-1447.	3.3	68
51	Synthesis of amphotericin B. 1. Fragment A of the aglycon. Journal of Organic Chemistry, 1984, 49, 2834-2837.	3.2	67
52	Mechanism by which the lectin actinohivin blocks HIV infection of target cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15633-15638.	7.1	67
53	Chemical Synthesis of Intentionally Misfolded Homogeneous Glycoprotein: A Unique Approach for the Study of Glycoprotein Quality Control. Journal of the American Chemical Society, 2012, 134, 7238-7241.	13.7	66
54	Both isoforms of human UDP-glucose:glycoprotein glucosyltransferase are enzymatically active. Glycobiology, 2014, 24, 344-350.	2.5	66

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55	Synthesis of sulfated glucuronyl glycosphingolipids; carbohydrate epitopes of neural cell-adhesion molecules. Carbohydrate Research, 1993, 243, 43-69.	2.3	65
56	Comparative analysis of carbohydrate-binding properties of two tandem repeat-type Jacalin-related lectins, Castanea crenata agglutinin and Cycas revoluta leaf lectin. FEBS Journal, 2005, 272, 2784-2799.	4.7	63
57	Synthesis of a glycopeptide carrying a N-linked core pentasaccharide. Bioorganic and Medicinal Chemistry, 1995, 3, 1455-1463.	3.0	62
58	Solid phase synthesis of polylactosamine oligosaccharide. Bioorganic and Medicinal Chemistry Letters, 1996, 6, 2841-2846.	2.2	62
59	Stereoselective Synthesis of Î²-<scp>l</scp>-Rhamnopyranosides. Journal of the American Chemical Society, 2008, 130, 6330-6331.	13.7	62
60	Endocyclic Cleavage in Glycosides with 2,3-transCyclic Protecting Groups. Journal of the American Chemical Society, 2011, 133, 5610-5619.	13.7	62
61	Topâ€Down Chemoenzymatic Approach to a Highâ€Mannoseâ€Type Glycan Library: Synthesis of a Common Precursor and Its Enzymatic Trimming. Angewandte Chemie - International Edition, 2013, 52, 7426-7431.	13.8	62
62	Structural approaches to the study of oligosaccharides in glycoprotein quality control. Current Opinion in Structural Biology, 2005, 15, 481-489.	5.7	61
63	The sugar-binding ability of human OS-9 and its involvement in ER-associated degradation. Glycobiology, 2010, 20, 310-321.	2.5	61
64	Chemoenzymatic Synthesis of Hydrophobic Glycoprotein: Synthesis of Saposin C Carrying Complex-Type Carbohydrate. Journal of Organic Chemistry, 2012, 77, 9437-9446.	3.2	61
65	p-Methoxybenzylidene-tetheredÎ²-Mannosylation for Stereoselective Synthesis of Asparagine-Linked Glycan Chains. Chemistry - A European Journal, 1998, 4, 2182-2190.	3.3	60
66	Glycosyl Sulfonium Ions as Storable Intermediates for Glycosylations. Organic Letters, 2011, 13, 1544-1547.	4.6	60
67	Structure and mechanism of cancer-associated N-acetylglucosaminyltransferase-V. Nature Communications, 2018, 9, 3380.	12.8	60
68	A Novel and Efficient Route towards Î±-GalNAc-Ser and Î±-GalNAc-Thr Building Blocks for Glycopeptide Synthesis. European Journal of Organic Chemistry, 1999, 1999, 1167-1171.	2.4	58
69	Divergent Synthesis of Sialylated Glycan Chains: Combined Use of Polymer Support, Resin Capture-Release, and Chemoenzymatic Strategies. Angewandte Chemie - International Edition, 2005, 44, 4218-4224.	13.8	57
70	A novel strategy for synthesis of ganglioside GM3 using an enzymically produced sialoside glycosyl donor. Journal of the American Chemical Society, 1993, 115, 1603-1605.	13.7	56
71	Stereocontrolled synthesis of the pentasaccharide core structure of asparagine-linked glycoprotein oligosaccharide based on a highly convergent strategy. Tetrahedron Letters, 1995, 36, 7487-7490.	1.4	56
72	Synthesis of anÎ±-(2,3)-Sialylated, Complex-Type Undecasaccharide. Angewandte Chemie - International Edition, 2000, 39, 531-534.	13.8	56

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73	On the Stereochemistry of Tethered Intermediates inp-Methoxybenzyl-Assisted Î²-Mannosylation. European Journal of Organic Chemistry, 1999, 1999, 1367-1376.	2.4	54
74	Solid-Phase Capture-Release Strategy Applied to Oligosaccharide Synthesis on a Soluble Polymer Support. Angewandte Chemie - International Edition, 2001, 40, 4725-4728.	13.8	54
75	The sugar-binding ability of ERGIC-53 is enhanced by its interaction with MCFD2. Blood, 2008, 111, 1972-1979.	1.4	54
76	Synthesis of bioactive sialosides. Pure and Applied Chemistry, 1993, 65, 753-762.	1.9	53
77	Total synthesis of a sulfated glucuronyl glycosphingolipid, IV3GlcA(3-SO3)nLcOse4Cer, a carbohydrate epitope of neural cell adhesion molecules. Tetrahedron Letters, 1990, 31, 1597-1600.	1.4	52
78	On-Resin Real-Time Reaction Monitoring of Solid-Phase Oligosaccharide Synthesis. Journal of the American Chemical Society, 2002, 124, 12638-12639.	13.7	52
79	Chemical approaches toward understanding glycan-mediated protein quality control. Current Opinion in Chemical Biology, 2009, 13, 582-591.	6.1	52
80	Synthesis of a Natural Oligosaccharide Antibiotic Active againstHelicobacter pylori. Journal of Organic Chemistry, 2007, 72, 6107-6115.	3.2	51
81	Evidence for Endocyclic Cleavage of Conformationally Restricted Glycopyranosides. Chemistry - A European Journal, 2009, 15, 6894-6901.	3.3	51
82	Sugar-binding activity of the MRH domain in the ER Â-glucosidase II Â subunit is important for efficient glucose trimming. Glycobiology, 2009, 19, 1127-1135.	2.5	50
83	Stereocontrolled synthesis of chitosan dodecamer. Carbohydrate Research, 1993, 243, C1-C7.	2.3	48
84	Synthesis of a heptasaccharide hapten related to a bi-antennary glycan chain of human chorionic gonadotropin of a choriocarcinoma patient. A convergent approach. Carbohydrate Research, 1986, 157, 101-123.	2.3	47
85	Synthesis of an appropriately protected core glycotetraoside, a key intermediate for the synthesis of â€œbisectedâ€•complex-type glycans of a glycoprotein. Carbohydrate Research, 1990, 201, 15-30.	2.3	47
86	Use of dichlorophthaloyl (DCPhth) group as an amino protecting group in oligosaccharide synthesis. Tetrahedron, 1998, 54, 1381-1394.	1.9	46
87	Comparative study of survival signal withdrawal- and 4-hydroxynonenal-induced cell death in cerebellar granule cells. Neuroscience Research, 1999, 35, 321-327.	1.9	46
88	Synthetic Study and Structural Analysis of the Antifreeze Agent Xylomannan from Upis ceramboides. Journal of the American Chemical Society, 2011, 133, 19524-19535.	13.7	46
89	Functional analysis of endoplasmic reticulum glucosyltransferase (UGGT): Synthetic chemistry's initiative in glycobiology. Seminars in Cell and Developmental Biology, 2015, 41, 90-98.	5.0	46
90	Orthogonal glycosylation strategy in synthesis of extended blood group B determinant. Tetrahedron Letters, 1996, 37, 4551-4554.	1.4	45

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91	Pentafluoropropionyl and trifluoroacetyl groups for temporary hydroxyl group protection in oligomannoside synthesis. Carbohydrate Research, 2003, 338, 1073-1081.	2.3	44
92	Synthesis of an octamannosyled glycan chain, the key oligosaccharide structure in ER-associated degradation. Carbohydrate Research, 2003, 338, 2163-2168.	2.3	44
93	Lipid rafts enriched in phosphatidylglucoside direct astroglial differentiation by regulating tyrosine kinase activity of epidermal growth factor receptors. Biochemical Journal, 2009, 419, 565-575.	3.7	44
94	Evidence for an Essential Deglycosylation-Independent Activity of PNGase in Drosophila melanogaster. PLoS ONE, 2010, 5, e10545.	2.5	44
95	Synthesis and TNF-Î± inducing activities of mycoloyl-arabinan motif of mycobacterial cell wall components. Bioorganic and Medicinal Chemistry, 2006, 14, 3049-3061.	3.0	43
96	Genetic analysis of glucosidase II Î²-subunit in trimming of high-mannose-type glycans. Glycobiology, 2009, 19, 834-840.	2.5	43
97	A total synthesis of dimeric Lex antigen, III3V3Fuc2nLc6Cer: Pivaloyl auxiliary for stereocontrolled glycosylation. Tetrahedron Letters, 1988, 29, 5267-5270.	1.4	42
98	An efficient synthesis of ganglioside GM3: highly stereocontrolled glycosylations by use of auxiliaries. Carbohydrate Research, 1990, 203, 205-217.	2.3	42
99	Studies Directed toward the Synthesis of Polysialogangliosides: The Regio- and Stereocontrolled Synthesis of Rationally Designed Fragments of the Tetrasialoganglioside GQ1b+.. Journal of Organic Chemistry, 1992, 57, 1821-1831.	3.2	42
100	Solid-phase oligosaccharide synthesis and related technologies. Current Opinion in Chemical Biology, 1998, 2, 701-708.	6.1	42
101	Mapping of the Primary Mannose Binding Site of Pradimicin A. Journal of the American Chemical Society, 2011, 133, 17485-17493.	13.7	42
102	Solid-phase synthesis of the B-chain of human Î±2HS glycoprotein. Carbohydrate Research, 1998, 309, 287-296.	2.3	41
103	Î³â€Hydroxybutyric Acid Increases Intracellular Ca²⁺ Concentration and Nuclear Cyclic AMPâ€Responsive Elementâ€and Activator Protein 1 DNAâ€Binding Activities Through GABA_B Receptor in Cultured Cerebellar Granule Cells. Journal of Neurochemistry, 1995, 65, 75-83.	3.9	41
104	Analysis of the sugarâ€binding specificity of mannoseâ€bindingâ€type Jacalinâ€related lectins by frontal affinity chromatography â€“ an approach to functional classification. FEBS Journal, 2008, 275, 1227-1239.	4.7	41
105	A highly efficient and stereoselective cycloglycosylation. Synthesis of 1â†'???, a manno isomer of Î±-cyclodextrin. Tetrahedron Letters, 1989, 30, 1273-1276.	1.4	38
106	Solvent Effect in Glycosylation Reaction on Polymer Support. Synlett, 1998, 1998, 628-630.	1.8	38
107	Desilylation under high pressure. Tetrahedron Letters, 2002, 43, 3273-3275.	1.4	38
108	Thermodynamic Analysis of Interactions between N-Linked Sugar Chains and F-Box Protein Fbs1. Journal of Medicinal Chemistry, 2005, 48, 3126-3129.	6.4	38

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109	Silylene/Oxazolidinone Doubleâ€Locked Sialic Acid Building Blocks for Efficient Sialylation Reactions in Dichloromethane. European Journal of Organic Chemistry, 2009, 2009, 4215-4220.	2.4	38
110	Efficient synthesis of glycopeptide-Î±-thioesters with a high-mannose type oligosaccharide by means of tert-Boc-solid phase peptide synthesis. Carbohydrate Research, 2012, 364, 41-48.	2.3	38
111	Folding of Synthetic Homogeneous Glycoproteins in the Presence of a Glycoprotein Folding Sensor Enzyme. Angewandte Chemie - International Edition, 2014, 53, 2883-2887.	13.8	38
112	Synthesis and antithrombogenicity of heparinized polyurethanes with intervening spacer chains of various kinds. Biomaterials, 1991, 12, 390-396.	11.4	37
113	Determination of structural elements of the L2/HNK-1 carbohydrate epitope required for its function. Glycoconjugate Journal, 1994, 11, 345-352.	2.7	37
114	Phosphatidylglucoside Forms Specific Lipid Domains on the Outer Leaflet of the Plasma Membrane. Biochemistry, 2010, 49, 4732-4739.	2.5	37
115	A regio- and stereo-controlled synthesis of Î²-d-Glcp NAc6SO3-(1â†'3)-Î²-d-Galp6SO3-(1â†'4)-Î²-d-GlcpNAc6SO3-(1â†'3)-d-Galp, a linear acidic glycan fragment of keratan sulfate I. Carbohydrate Research, 1990, 201, 51-67.	2.3	36
116	Structure and dynamics of the sialic acid moiety of GM3-ganglioside at the surface of a magnetically oriented membrane. Biochemistry, 1993, 32, 13405-13413.	2.5	35
117	A quantitative assay using basement membrane extracts to study tumor angiogenesisin vivo. , 1996, 67, 148-152.		35
118	Total synthesis of B-chain of human Î±2HS glycoprotein. Tetrahedron Letters, 1997, 38, 7211-7214.	1.4	35
119	Increased expression of protein C-mannosylation in the aortic vessels of diabetic Zucker rats. Glycobiology, 2005, 15, 383-392.	2.5	35
120	High-mannose-type glycan modifications of dihydrofolate reductase using glycanâ€"methotrexate conjugates. Bioorganic and Medicinal Chemistry, 2006, 14, 5220-5229.	3.0	35
121	Crystal structure of glycoside hydrolase family 127 Î²-l-arabinofuranosidase from Bifidobacterium longum. Biochemical and Biophysical Research Communications, 2014, 447, 32-37.	2.1	35
122	Combined use of trans-sialidase and sialyltransferase for enzymatic synthesis of .alpha.NeuAc2.fwdarw.3.beta.Gal-OCH2CH2SiMe3. Journal of the American Chemical Society, 1993, 115, 7862-7863.	13.7	34
123	Site-specific Labeling of Cytoplasmic Peptide:N-Glycanase by N,Nâ€²-Diacetylchitobiose-related Compounds. Journal of Biological Chemistry, 2006, 281, 22152-22160.	3.4	34
124	In vitro mannose trimming property of human ER Î±-1,2 mannosidase I. Glycoconjugate Journal, 2012, 29, 35-45.	2.7	34
125	Stereoselective synthesis of Arabidopsis CLAVATA3 (CLV3) glycopeptide, unique protein post-translational modifications of secreted peptide hormone in plant. Organic and Biomolecular Chemistry, 2013, 11, 5892.	2.8	34
126	Stereo- and regio-controlled, total synthesis of the Leb antigen, III4 FucIV2FucLcOSe4 Cer. Carbohydrate Research, 1986, 155, C1-C5.	2.3	33

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127	The spontaneous electrical and mechanical activity of human bronchial smooth muscle: its modulation by drugs. British Journal of Pharmacology, 1989, 98, 1249-1260.	5.4	33
128	Stereoselectivity of cycloglycosylation in mannooligose series depends on carbohydrate chain length: Syntheses of manno isomers of Î²- and Î³- cyclodextrins. Tetrahedron Letters, 1990, 31, 3191-3194.	1.4	33
129	On the mechanism of p-methoxybenzylidene assisted intramolecular aglycon delivery. Tetrahedron, 2001, 57, 4123-4132.	1.9	33
130	Systematic Syntheses and Inhibitory Activities of Bisubstrate-Type Inhibitors of Sialyltransferases. Journal of Organic Chemistry, 2003, 68, 5602-5613.	3.2	33
131	Mannoseâ€Binding Geometry of Pradimicin A. Chemistry - A European Journal, 2013, 19, 10516-10525.	3.3	33
132	Synthesis of the Highly Glycosylated Hydrophilic Motif of Extensins. Angewandte Chemie - International Edition, 2014, 53, 9812-9816.	13.8	33
133	Accelerated glycosylation under frozen conditions. Tetrahedron Letters, 2004, 45, 3929-3932.	1.4	32
134	First chemical synthesis of triglucosylated tetradecasaccharide (Glc3Man9GlcNAc2), a common precursor of asparagine-linked oligosaccharides. Tetrahedron Letters, 2005, 46, 4197-4200.	1.4	32
135	A stereoselective 1,2-cis glycosylation toward the synthesis of a novel N-linked glycan from the Gram-negative bacterium, Campylobacter jejuni. Carbohydrate Research, 2006, 341, 1557-1573.	2.3	32
136	Syntheses of phosphatidyl-Î²-d-glucoside analogues to probe antigen selectivity of monoclonal antibody â€˜DIM21â€™. Bioorganic and Medicinal Chemistry, 2008, 16, 7210-7217.	3.0	32
137	Preâ€•and postâ€junctional actions of procaterol, a Î²₂â€adrenoceptor stimulant, on dog tracheal tissue. British Journal of Pharmacology, 1988, 95, 268-274.	5.4	31
138	Syntheses of Î±-dystroglycan derived sialylated glycosyl amino acids carrying a novel mannosyl serine/threonine linkage. Tetrahedron Letters, 1999, 40, 6803-6807.	1.4	31
139	Fluorescently labeled inhibitor for profiling cytoplasmic peptide:N-glycanase. Glycobiology, 2007, 17, 1070-1076.	2.5	31
140	First synthesis of natural phosphatidyl-Î²-d-glucoside. Tetrahedron Letters, 2008, 49, 3562-3566.	1.4	31
141	Nâ€Benzylâ€2,3â€transâ€Carbamateâ€Bearing Glycosyl Donors for 1,2â€cisâ€Selective Glycosylation Reactions. European Journal of Organic Chemistry, 2011, 2011, 497-516.	2.4	31
142	Monitoring of Glycoprotein Quality Control System with a Series of Chemically Synthesized Homogeneous Native and Misfolded Glycoproteins. Journal of the American Chemical Society, 2018, 140, 17499-17507.	13.7	31
143	4,5-Dichlorophthaloyl Group for Amino Protection in Carbohydrate Chemistry. Bioscience, Biotechnology and Biochemistry, 1996, 60, 73-76.	1.3	30
144	Synthesis of a polymer-supported sialic acid glycosyl donor. Tetrahedron Letters, 1997, 38, 1599-1602.	1.4	30

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145	Acute and chronic intracerebroventricular morphine infusions affect long-term potentiation differently in the lateral perforant path. Pharmacology Biochemistry and Behavior, 2001, 70, 353-358.	2.9	30
146	Characterization of Antibody Products Obtained through Enzymatic and Nonenzymatic Glycosylation Reactions with a Glycan Oxazoline and Preparation of a Homogeneous Antibodyâ€“Drug Conjugate via Fc N-Glycan. Bioconjugate Chemistry, 2019, 30, 1343-1355.	3.6	30
147	Substrate Specificity Analysis of Endoplasmic Reticulum Glucosidase II Using Synthetic High Mannose-type Glycans. Journal of Biological Chemistry, 2006, 281, 31502-31508.	3.4	30
148	Synthesis of a novel asparagine-linked heptasaccharide structure via p-methoxybenzyl-assisted Î²-mannosylation. Carbohydrate Research, 2000, 328, 263-276.	2.3	29
149	Synthesis of the extracellular Ig domain I of Emmprin carrying a chitobiose unit. Tetrahedron Letters, 2001, 42, 3001-3004.	1.4	29
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