

Yukishige Ito

List of Publications by Year in descending order

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445
papers

14,387
citations

23879

60
h-index

45040

94
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545
all docs

545
docs citations

545
times ranked

8485
citing authors

#	ARTICLE	IF	CITATIONS
1	Substrate complex structure, active site labeling and catalytic role of the zinc ion in cysteine glycosidase. <i>Glycobiology</i> , 2022, 32, 171-180.	1.3	6
2	d-Mannose binding, aggregation property, and antifungal activity of amide derivatives of pradimicin A. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 55, 116590.	1.4	2
3	Mannose-binding analysis and biological application of pradimicins. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2022, 98, 15-29.	1.6	1
4	Mechanism of Cooperative Degradation of Gum Arabic Arabinogalactan Protein by <i>Bifidobacterium longum</i> Surface Enzymes. <i>Applied and Environmental Microbiology</i> , 2022, 88, aem0218721.	1.4	8
5	InÂvitro mannosidase activity of EDEM3 against asparagine-linked oligomannose-type glycans. <i>Biochemical and Biophysical Research Communications</i> , 2022, 612, 44-49.	1.0	2
6	Synthesis of naturally occurring Î²-l-arabinofuranosyl-l-arabinofuranoside structures towards the substrate specificity evaluation of Î²-l-arabinofuranosidase. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 68, 116849.	1.4	8
7	Recent Chemical and Chemoenzymatic Strategies to Complex-Type N-Glycans. <i>Frontiers in Chemistry</i> , 2022, 10, .	1.8	3
8	Chemical modification of pradimicin A to suppress aggregation without impairing D-mannose-binding and antifungal activities. <i>Tetrahedron</i> , 2022, , 132919.	1.0	0
9	C-Mannosyl Tryptophan: From Chemistry to Cell Biology. , 2021, , 163-181.		0
10	Quantification of serum C-mannosyl tryptophan by novel assay to evaluate renal function and vascular complications in patients with type 2 diabetes. <i>Scientific Reports</i> , 2021, 11, 1946.	1.6	3
11	Cysteine Nucleophiles in Glycosidase Catalysis: Application of a Covalent Î²- <i>l</i> -Arabinofuranosidase Inhibitor. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5754-5758.	7.2	16
12	Cysteine Nucleophiles in Glycosidase Catalysis: Application of a Covalent Î²- <i>l</i> -Arabinofuranosidase Inhibitor. <i>Angewandte Chemie</i> , 2021, 133, 5818-5822.	1.6	3
13	Binding Evaluation of Pradimicins for Oligomannose Motifs from Fungal Mannans. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 732-754.	2.0	6
14	Novel 3- <i>O</i> - β -Galactosyl- β -Arabinofuranosidase for the Assimilation of Gum Arabic Arabinogalactan Protein in <i>Bifidobacterium longum</i> subsp. <i>longum</i> . <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	10
15	Protein C-Mannosylation and C-Mannosyl Tryptophan in Chemical Biology and Medicine. <i>Molecules</i> , 2021, 26, 5258.	1.7	18
16	Zn ₂ -Directed Stereocontrolled β -Glucosylation. <i>Organic Letters</i> , 2021, 23, 6841-6845.	2.4	11
17	A Pradimicin-Based Staining Dye for Glycoprotein Detection. <i>Journal of Natural Products</i> , 2021, 84, 2496-2501.	1.5	5
18	The ⁵⁹ Fe (n, β) ⁶⁰ Fe Cross Section from the Surrogate Ratio Method and Its Effect on the ⁶⁰ Fe Nucleosynthesis. <i>Astrophysical Journal</i> , 2021, 919, 84.	1.6	2

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19	Dimerization of ER-resident molecular chaperones mediated by ERp29. <i>Biochemical and Biophysical Research Communications</i> , 2021, 536, 52-58.	1.0	2
20	Identification of difructose dianhydride I synthase/hydrolase from an oral bacterium establishes a novel glycoside hydrolase family. <i>Journal of Biological Chemistry</i> , 2021, 297, 101324.	1.6	13
21	If I Look Back at Myself. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2021, 79, 976-979.	0.0	0
22	C-Mannosylated tryptophan-containing WSPW peptide binds to actinin-4 and alters E-cadherin subcellular localization in lung epithelial-like A549 cells. <i>Biochimie</i> , 2021, , .	1.3	2
23	Zinc(II) Iodide-Directed β -Mannosylation: Reaction Selectivity, Mode, and Application. <i>Journal of Organic Chemistry</i> , 2021, 86, 16901-16915.	1.7	8
24	Thrombospondin type 1 repeat-derived C-mannosylated peptide attenuates synaptogenesis of cortical neurons induced by primary astrocytes via TGF- β 2. <i>Glycoconjugate Journal</i> , 2021, , 1.	1.4	2
25	The endocyclic oxygen atom of d-mannopyranose is involved in its binding to pradimicins. <i>Tetrahedron Letters</i> , 2020, 61, 151530.	0.7	4
26	Glycan dependent refolding activity of ER glucosyltransferase (UGGT). <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129709.	1.1	7
27	Systematic synthesis of novel phosphoglycolipid analogues as potential agonists of GPR55. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8467-8473.	1.5	4
28	Lysolipid Chain Length Switches Agonistic to Antagonistic G Protein-Coupled Receptor Modulation. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3635-3645.	1.7	5
29	Chemical Synthesis-Based Approach to Glycoprotein Functions in the Endoplasmic Reticulum. <i>Chemistry - A European Journal</i> , 2020, 26, 15461-15470.	1.7	12
30	Monomeric C-mannosyl tryptophan is a degradation product of autophagy in cultured cells. <i>Glycoconjugate Journal</i> , 2020, 37, 635-645.	1.4	9
31	Discrimination of cellular developmental states focusing on glycan transformation and membrane dynamics by using BODIPY-tagged lactosyl ceramides. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3724-3733.	1.5	3
32	Unified Strategy toward Stereocontrolled Assembly of Various Glucans Based on Bimodal Glycosyl Donors. <i>Journal of Organic Chemistry</i> , 2020, 85, 5536-5558.	1.7	10
33	Calreticulin protects insulin against reductive stress in vitro and in MIN6 cells. <i>Biochimie</i> , 2020, 171-172, 1-11.	1.3	5
34	Metabolic syndrome perturbs deglycosylation and reglycosylation in the glycoprotein folding cycle. <i>FEBS Letters</i> , 2020, 594, 1759-1769.	1.3	8
35	Calnexin/Calreticulin and Assays Related to N-Glycoprotein Folding In Vitro. <i>Methods in Molecular Biology</i> , 2020, 2132, 295-308.	0.4	5
36	C-mannosyl tryptophan increases in the plasma of patients with ovarian cancer. <i>Oncology Letters</i> , 2020, 19, 908-916.	0.8	3

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37	Molecular Basis of Mannose Recognition by Pradimicins and their Application to Microbial Cell Surface Imaging. <i>Cell Chemical Biology</i> , 2019, 26, 950-959.e8.	2.5	13
38	A novel assay for detection and quantification of C-mannosyl tryptophan in normal or diabetic mice. <i>Scientific Reports</i> , 2019, 9, 4675.	1.6	11
39	Characterization of Antibody Products Obtained through Enzymatic and Nonenzymatic Glycosylation Reactions with a Glycan Oxazoline and Preparation of a Homogeneous Antibody-Drug Conjugate via Fc α -N-Glycan. <i>Bioconjugate Chemistry</i> , 2019, 30, 1343-1355.	1.8	30
40	Preference for Glucose over Inositol Headgroup during Lysolipid Activation of G Protein-Coupled Receptor 55. <i>ACS Chemical Neuroscience</i> , 2019, 10, 716-727.	1.7	14
41	Chemical and Enzymatic Synthesis and Production of Glycans. , 2019, , 65-86.		0
42	Enrichment and characterization of a bacterial mixture capable of utilizing C-mannosyl tryptophan as a carbon source. <i>Glycoconjugate Journal</i> , 2018, 35, 165-176.	1.4	14
43	Synthesis and structural investigation of a series of mannose-containing oligosaccharides using mass spectrometry. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 228-238.	1.5	3
44	Comparing of endocyclic and exocyclic cleavage reactions using mycothiol synthesis as an example. <i>Tetrahedron</i> , 2018, 74, 2440-2446.	1.0	1
45	Acceptor range of endo- β -N-acetylglucosaminidase mutant endo-CC N180H: from monosaccharide to antibody. <i>Royal Society Open Science</i> , 2018, 5, 171521.	1.1	13
46	Monitoring of Glycoprotein Quality Control System with a Series of Chemically Synthesized Homogeneous Native and Misfolded Glycoproteins. <i>Journal of the American Chemical Society</i> , 2018, 140, 17499-17507.	6.6	31
47	Stereodivergent Mannosylation Using 2-(<i>ortho</i> -Tosylamido)benzyl Group. <i>Organic Letters</i> , 2018, 20, 4833-4837.	2.4	20
48	Bimodal Glycosyl Donors Protected by 2-(<i>ortho</i> -Tosylamido)benzyl Group. <i>Organic Letters</i> , 2018, 20, 4384-4388.	2.4	25
49	Squaryl group modified phosphoglycolipid analogs as potential modulators of GPR55. <i>Chemical Communications</i> , 2018, 54, 8470-8473.	2.2	10
50	Structure and mechanism of cancer-associated N-acetylglucosaminyltransferase-V. <i>Nature Communications</i> , 2018, 9, 3380.	5.8	60
51	Amide Bond Formation of Sialic Acid in Oligosaccharide without Protecting Group. <i>Heterocycles</i> , 2018, 97, 1203.	0.4	4
52	Influence of aglycone structures on N-glycan processing reactions in the endoplasmic reticulum. <i>Carbohydrate Research</i> , 2017, 439, 16-22.	1.1	3
53	α -Mannosidase-Catalyzed Transglycosylation. <i>ChemBioChem</i> , 2017, 18, 1376-1378.	1.3	14
54	PDI family protein ERp29 recognizes P-domain of molecular chaperone calnexin. <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 763-767.	1.0	22

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55	Single-particle electron microscopy structure of UDP-glucose:glycoprotein glucosyltransferase suggests a selectivity mechanism for misfolded proteins. <i>Journal of Biological Chemistry</i> , 2017, 292, 11499-11507.	1.6	26
56	Selective Manipulation of Discrete Mannosidase Activities in the Endoplasmic Reticulum by Using Reciprocally Selective Inhibitors. <i>ChemBioChem</i> , 2017, 18, 1027-1035.	1.3	17
57	Synthetic utility of endocyclic cleavage reaction. <i>Pure and Applied Chemistry</i> , 2017, 89, 899-909.	0.9	5
58	Substrate Recognition of Glycoprotein Folding Sensor UGGT Analyzed by Site-Specifically ¹⁵ N-Labeled Glycopeptide and Small Glycopeptide Library Prepared by Parallel Native Chemical Ligation. <i>Journal of the American Chemical Society</i> , 2017, 139, 11421-11426.	6.6	23
59	Reactivation of hyperglycemia-induced hypocretin (HCRT) gene silencing by N-acetyl-d-mannosamine in the orexin neurons derived from human iPS cells. <i>Epigenetics</i> , 2017, 12, 764-778.	1.3	10
60	Mycothiols synthesis by an anomerization reaction through endocyclic cleavage. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 328-333.	1.3	8
61	Hydrophobic Tagged Dihydrofolate Reductase for Creating Misfolded Glycoprotein Mimetics. <i>ChemBioChem</i> , 2016, 17, 300-303.	1.3	12
62	Diastereomeric resolution directed towards chirality determination focussing on gas-phase energetics of coordinated sodium dissociation. <i>Scientific Reports</i> , 2016, 6, 24005.	1.6	7
63	Synthesis of misfolded glycoprotein dimers through native chemical ligation of a dimeric peptide thioester. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6088-6094.	1.5	7
64	Direct assay for endo- α -mannosidase substrate preference on correctly folded and misfolded model glycoproteins. <i>Carbohydrate Research</i> , 2016, 434, 94-98.	1.1	6
65	Effects of domain composition on catalytic activity of human UDP-glucose:glycoprotein glucosyltransferases. <i>Glycobiology</i> , 2016, 26, 999-1006.	1.3	16
66	Influence of high-mannose glycan whose glucose moiety is substituted with 5-thioglucose on calnexin/calreticulin cycle. <i>RSC Advances</i> , 2016, 6, 76879-76882.	1.7	5
67	Approaches toward High-Mannose-Type Glycan Libraries. <i>Chemical Record</i> , 2016, 16, 35-46.	2.9	9
68	Chemical Approaches to Elucidate Enzymatic Profiles of UDP-Glucose: Glycoprotein Glucosyltransferase. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 687-690.	0.6	4
69	Chemical synthesis and isolation of UDP-2-deoxy glucose and galactose. <i>Synthetic Communications</i> , 2016, 46, 1790-1795.	1.1	3
70	Non-enzymatic reaction of glycosyl oxazoline with peptides. <i>Carbohydrate Research</i> , 2016, 436, 31-35.	1.1	13
71	Synthesis of Glc ₁ Man ₉ Glycoprotein Probes by a Misfolding/Enzymatic Glucosylation/Misfolding Sequence. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3968-3971.	7.2	15
72	Evaluation of the effect of post-translational modification toward protein structure: Chemical synthesis of glycosyl crambins having either a high mannose-type or a complex-type oligosaccharide. <i>Biopolymers</i> , 2016, 106, 446-452.	1.2	3

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73	Endoplasmic Reticulum (ER)-Targeted, Galectin-Mediated Retrograde Transport by Using a HaloTag Carrier Protein. <i>ChemBioChem</i> , 2016, 17, 630-639.	1.3	4
74	Synthesis of Glc ₁ Man ₉ -Glycoprotein Probes by a Misfolding/Enzymatic Glucosylation/Misfolding Sequence. <i>Angewandte Chemie</i> , 2016, 128, 4036-4039.	1.6	6
75	Encounter with Carbohydrate Chemistry to Amateurish Glycobiology. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2016, 74, 206-218.	0.0	2
76	Pradimicin A, a d-mannose-binding antibiotic, binds pyranosides of l-fucose and l-galactose in a calcium-sensitive manner. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2963-2966.	1.0	5
77	Frontispiece: Construction of a High-Mannose-Type Glycan Library by a Renewed Top-Down Chemo-Enzymatic Approach. <i>Chemistry - A European Journal</i> , 2015, 21, .	1.7	0
78	Functional analysis of endoplasmic reticulum glucosyltransferase (UGGT): Synthetic chemistry's initiative in glycobiology. <i>Seminars in Cell and Developmental Biology</i> , 2015, 41, 90-98.	2.3	46
79	Synthetic study of 3-fluorinated sialic acid derivatives. <i>Carbohydrate Research</i> , 2015, 406, 1-9.	1.1	13
80	N-Glycosylation with Synthetic Undecaprenyl Pyrophosphate-Linked Oligosaccharide to Oligopeptides by PglB Oligosaccharyltransferase from <i>Campylobacter jejuni</i> . <i>ChemBioChem</i> , 2015, 16, 731-737.	1.3	6
81	Construction of a High-Mannose-Type Glycan Library by a Renewed Top-Down Chemo-Enzymatic Approach. <i>Chemistry - A European Journal</i> , 2015, 21, 3224-3233.	1.7	20
82	Chemical Synthesis of Homogeneous Glycoproteins for the Study of Glycoprotein Quality Control System. <i>Israel Journal of Chemistry</i> , 2015, 55, 306-314.	1.0	4
83	The relationship between glycan structures and expression levels of an endoplasmic reticulum-resident glycoprotein, UDP-glucose: glycoprotein glucosyltransferase 1. <i>Biochemical and Biophysical Research Communications</i> , 2015, 462, 58-63.	1.0	5
84	Preparation of asparagine-linked monoglucosylated high-mannose-type oligosaccharide from egg yolk. <i>Carbohydrate Research</i> , 2015, 411, 37-41.	1.1	11
85	Stereoselective synthesis of UDP-2-(2-ketopropyl)galactose aided by di-tert-butylsilylene protecting group. <i>Glycoconjugate Journal</i> , 2015, 32, 541-548.	1.4	1
86	Profiling Aglycon-Recognizing Sites of UDP-glucose:glycoprotein Glucosyltransferase by Means of Squarate-Mediated Labeling. <i>Biochemistry</i> , 2015, 54, 4909-4917.	1.2	20
87	Glycerophospholipid regulation of modality-specific sensory axon guidance in the spinal cord. <i>Science</i> , 2015, 349, 974-977.	6.0	89
88	Cooperative role of calnexin and TigA in <i>Aspergillus oryzae</i> glycoprotein folding. <i>Glycobiology</i> , 2015, 25, 1090-1099.	1.3	5
89	Calreticulin discriminates the proximal region at the N-glycosylation site of Glc1Man9GlcNAc2 ligand. <i>Biochemical and Biophysical Research Communications</i> , 2015, 466, 350-355.	1.0	12
90	C-Mannosylation: Modification on Tryptophan in Cellular Proteins. , 2015, , 1091-1099.		15

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91	Synthetic Approach to Glycoprotein Quality Control System. , 2015, , 305-312.		0
92	Living in the World of "Many Gods" Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2015, 73, 1061-1061.	0.0	0
93	Functional Analysis of Endoplasmic Reticulum Glucosyltransferase (UGGT) Using Synthetic Glycans. Trends in Glycoscience and Glycotechnology, 2014, 26, 107-118.	0.0	0
94	Measurement of endo- α -mannosidase activity using a fluorescently labeled oligosaccharide derivative. Bioscience, Biotechnology and Biochemistry, 2014, 78, 927-936.	0.6	7
95	Significant Substituent Effect on the Anomerization of Pyranosides: Mechanism of Anomerization and Synthesis of a 1,2- <i>cis</i> - Glucosamine Oligomer from the 1,2- <i>trans</i> - Anomer. Chemistry - A European Journal, 2014, 20, 124-132.	1.7	21
96	Pyranosides with 2,3- <i>trans</i> - Carbamate Groups: Exocyclic or Endocyclic Cleavage Reaction?. Chemical Record, 2014, 14, 502-515.	2.9	4
97	Glycan specificity of a testis-specific lectin chaperone calmeglin and effects of hydrophobic interactions. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 2904-2913.	1.1	10
98	Syntheses of lactosyl ceramide analogues carrying novel bifunctional BODIPY dyes directed towards the differential analysis of multiplexed glycosphingolipids by MS/MS using iTRAQ. Chemical Communications, 2014, 50, 3010-3013.	2.2	15
99	Folding of Synthetic Homogeneous Glycoproteins in the Presence of a Glycoprotein Folding Sensor Enzyme. Angewandte Chemie - International Edition, 2014, 53, 2883-2887.	7.2	38
100	Synthesis of the Highly Glycosylated Hydrophilic Motif of Extensins. Angewandte Chemie - International Edition, 2014, 53, 9812-9816.	7.2	33
101	Glycan structure and site of glycosylation in the ER-resident glycoprotein, uridine 5- α -diphosphate-glucose: glycoprotein glucosyltransferases 1 from rat, porcine, bovine, and human. Biochemical and Biophysical Research Communications, 2014, 451, 356-360.	1.0	8
102	ERADication of EDEM1 occurs by selective autophagy and requires deglycosylation by cytoplasmic peptide N-glycanase. Histochemistry and Cell Biology, 2014, 142, 153-169.	0.8	18
103	Both isoforms of human UDP-glucose:glycoprotein glucosyltransferase are enzymatically active. Glycobiology, 2014, 24, 344-350.	1.3	66
104	PDI family protein ERp29 forms 1:1 complex with lectin chaperone calreticulin. Biochemical and Biophysical Research Communications, 2014, 452, 27-31.	1.0	22
105	Crystal structure of glycoside hydrolase family 127 β -l-arabinofuranosidase from Bifidobacterium longum. Biochemical and Biophysical Research Communications, 2014, 447, 32-37.	1.0	35
106	Trimming of glucosylated N-glycans by human ER α 1,2-mannosidase I. Journal of Biochemistry, 2014, 155, 375-384.	0.9	20
107	The Characteristic Structure of Anti-HIV Actinohivin in Complex with Three HMTG D1 Chains of HIV-1 gp120. ChemBioChem, 2014, 15, 2766-2773.	1.3	11
108	Parallel quantification of lectin-glycan interaction using ultrafiltration. Carbohydrate Research, 2013, 375, 112-117.	1.1	17

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109	Analysis of the Cellular Dynamics of Fluorescently Tagged Glycosphingolipids by Using a Nanoliquid Chromatography-Tandem Mass Spectrometry Platform. <i>Analytical Chemistry</i> , 2013, 85, 8475-8482.	3.2	8
110	Top-Down Chemoenzymatic Approach to a High-Mannose-Type Glycan Library: Synthesis of a Common Precursor and Its Enzymatic Trimming. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7426-7431.	7.2	62
111	Sulfonylcarbamate as a versatile and unique hydroxy-protecting group: a protecting group stable under severe conditions and labile under mild conditions. <i>Chemical Communications</i> , 2013, 49, 8332.	2.2	12
112	Stereoselective synthesis of Arabidopsis CLAVATA3 (CLV3) glycopeptide, unique protein post-translational modifications of secreted peptide hormone in plant. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5892.	1.5	34
113	Preparation of p-nitrophenyl β -L-arabinofuranoside as a substrate of β -L-arabinofuranosidase. <i>Carbohydrate Research</i> , 2013, 382, 95-100.	1.1	28
114	Stereospecific generation and analysis of α - and β -hemiacetals of monosaccharides in gas phase. <i>Carbohydrate Research</i> , 2013, 382, 43-51.	1.1	5
115	Hafnium(IV) tetratrilate in selective reductive carbohydrate benzylidene acetal opening reaction and direct silylation reaction. <i>Tetrahedron Letters</i> , 2013, 54, 6838-6840.	0.7	8
116	Hafnium(IV) Tetratrilate as a Glycosyl Fluoride Activation Reagent. <i>Journal of Organic Chemistry</i> , 2013, 78, 4568-4572.	1.7	22
117	Diverse Effects of Macromolecular Crowding on the Sequential Glycan Processing Pathway Involved in Glycoprotein Quality Control. <i>ChemBioChem</i> , 2013, 14, 753-758.	1.3	11
118	Development of a diketopiperazine-forming dipeptidyl Gly-Pro spacer for preparation of an antibody-drug conjugate. <i>MedChemComm</i> , 2013, 4, 792.	3.5	19
119	Mannose-Binding Geometry of Pradimicin A. <i>Chemistry - A European Journal</i> , 2013, 19, 10516-10525.	1.7	33
120	Deciphering the Roles of Glycan Processing in Glycoprotein Quality Control through Organic Synthesis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 2331-2338.	0.6	2
121	Critical review of "Public domain application": a flexible drug approval system in Japan. <i>Annals of Oncology</i> , 2013, 24, 1297-1305.	0.6	9
122	Reconstructed glycan profile for evaluation of operating status of the endoplasmic reticulum glycoprotein quality control. <i>Glycobiology</i> , 2013, 23, 121-131.	1.3	17
123	Structure insight of anti-HIV actinohivin in complex with (1,2)mannotriose. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, s337-s338.	0.3	0
124	Misfolded Glycoproteins as Probes for Analysis of Folding Sensor Enzyme UDP-Glucose. <i>Trends in Glycoscience and Glycotechnology</i> , 2013, 25, 1-12.	0.0	6
125	Analysis of glycoprotein processing in the endoplasmic reticulum using synthetic oligosaccharides. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2012, 88, 31-40.	1.6	16
126	Synthesis of a fluorescently tagged sialic acid analogue useful for live-cell imaging. <i>Chemical Communications</i> , 2012, 48, 9744.	2.2	10

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127	An improved method for the synthesis of protected glycosyl fluorides from thioglycosides using N,N-diethylaminosulfur trifluoride (DAST). <i>Carbohydrate Research</i> , 2012, 359, 81-91.	1.1	17
128	Biophysical properties of UDP-glucose:glycoprotein glucosyltransferase, a folding sensor enzyme in the ER, delineated by synthetic probes. <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 504-510.	1.0	22
129	Efficient synthesis of glycopeptide- β -thioesters with a high-mannose type oligosaccharide by means of tert-Boc-solid phase peptide synthesis. <i>Carbohydrate Research</i> , 2012, 364, 41-48.	1.1	38
130	Molecular architecture and therapeutic potential of lectin mimics. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2012, 68, 1-58.	0.4	11
131	Visualizing specific protein glycoforms by transmembrane fluorescence resonance energy transfer. <i>Nature Communications</i> , 2012, 3, 907.	5.8	103
132	Chemical Synthesis of Intentionally Misfolded Homogeneous Glycoprotein: A Unique Approach for the Study of Glycoprotein Quality Control. <i>Journal of the American Chemical Society</i> , 2012, 134, 7238-7241.	6.6	66
133	Carbohydrate-Binding Molecules with Non-Peptidic Skeletons. <i>Trends in Glycoscience and Glycotechnology</i> , 2012, 24, 1-12.	0.0	16
134	Electrochemical generation of 2,3-oxazolidinone glycosyl triflates as an intermediate for stereoselective glycosylation. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 456-460.	1.3	29
135	Synthesis of a Versatile Probe for Analysis of Cytoplasmic Peptide- α -Glycanase. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 269-272.	0.8	3
136	Chemoenzymatic Synthesis of Hydrophobic Glycoprotein: Synthesis of Saposin C Carrying Complex-Type Carbohydrate. <i>Journal of Organic Chemistry</i> , 2012, 77, 9437-9446.	1.7	61
137	Solid-state NMR analysis of calcium and d-mannose binding of BMY-28864, a water-soluble analogue of pradimicin A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 1040-1043.	1.0	11
138	Facile construction of 1,2-cis glucosidic linkage using sequential oxidation-reduction route for synthesis of an ER processing β -glucosidase I substrate. <i>Tetrahedron Letters</i> , 2012, 53, 4452-4456.	0.7	9
139	In vitro mannose trimming property of human ER β -1,2 mannosidase I. <i>Glycoconjugate Journal</i> , 2012, 29, 35-45.	1.4	34
140	Accelerated O-Glycosylation under Frozen Conditions and Its Application to the Synthesis of Complex Glycans. <i>Trends in Glycoscience and Glycotechnology</i> , 2012, 24, 179-189.	0.0	5
141	Intramolecular Aglycon Delivery and Its Application to Stereoselective Synthesis of Glycans. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2012, 70, 382-394.	0.0	9
142	Fluorescence-monitored zero dead-volume nanoLC-microESI-QIT-TOF MS for analysis of fluorescently tagged glycosphingolipids. <i>Analyst</i> , The, 2011, 136, 1046-1050.	1.7	13
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