

# Kenji Yamamoto

## List of Publications by Year in descending order

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173  
papers

7,129  
citations

44069

48  
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69250

77  
g-index

175  
all docs

175  
docs citations

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times ranked

4648  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiology of Consumption of Human Milk Oligosaccharides by Infant Gut-associated Bifidobacteria. <i>Journal of Biological Chemistry</i> , 2011, 286, 34583-34592.	3.4	366
2	Molecular Cloning and Characterization of <i>Bifidobacterium bifidum</i> 1,2- $\alpha$ -L-Fucosidase (AfcA), a Novel Inverting Glycosidase (Glycoside Hydrolase Family 95). <i>Journal of Bacteriology</i> , 2004, 186, 4885-4893.	2.2	231
3	Mutants of <i>Mucor hiemalis</i> Endo- $\beta$ -N-acetylglucosaminidase Show Enhanced Transglycosylation and Glycosynthase-like Activities. <i>Journal of Biological Chemistry</i> , 2008, 283, 4469-4479.	3.4	213
4	Two distinct $\alpha$ -L-fucosidases from <i>Bifidobacterium bifidum</i> are essential for the utilization of fucosylated milk oligosaccharides and glycoconjugates. <i>Glycobiology</i> , 2009, 19, 1010-1017.	2.5	208
5	<i>Bifidobacterium bifidum</i> Lacto-N-Biosidase, a Critical Enzyme for the Degradation of Human Milk Oligosaccharides with a Type 1 Structure. <i>Applied and Environmental Microbiology</i> , 2008, 74, 3996-4004.	3.1	201
6	Synthesis of a Glycopeptide Containing Oligosaccharides: Chemoenzymatic Synthesis of Eel Calcitonin Analogues Having Natural N-Linked Oligosaccharides. <i>Journal of the American Chemical Society</i> , 1999, 121, 284-290.	13.7	188
7	Glycosylation engineering of therapeutic IgG antibodies: challenges for the safety, functionality and efficacy. <i>Protein and Cell</i> , 2018, 9, 47-62.	11.0	179
8	Glycosynthases Enable a Highly Efficient Chemoenzymatic Synthesis of N-Glycoproteins Carrying Intact Natural N-Glycans. <i>Journal of the American Chemical Society</i> , 2009, 131, 2214-2223.	13.7	174
9	Total biosynthesis of opiates by stepwise fermentation using engineered <i>Escherichia coli</i> . <i>Nature Communications</i> , 2016, 7, 10390.	12.8	160
10	Identification and Molecular Cloning of a Novel Glycoside Hydrolase Family of Core 1 Type O-Glycan-specific Endo- $\beta$ -N-acetylgalactosaminidase from <i>Bifidobacterium longum</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 37415-37422.	3.4	152
11	Efficient Glycosynthase Mutant Derived from <i>Mucor hiemalis</i> Endo- $\beta$ -N-acetylglucosaminidase Capable of Transferring Oligosaccharide from Both Sugar Oxazoline and Natural N-Glycan. <i>Journal of Biological Chemistry</i> , 2010, 285, 511-521.	3.4	140
12	An exo- $\alpha$ -sialidase from bifidobacteria involved in the degradation of sialyloligosaccharides in human milk and intestinal glycoconjugates. <i>Glycobiology</i> , 2011, 21, 437-447.	2.5	121
13	Sharing of human milk oligosaccharides degradants within bifidobacterial communities in faecal cultures supplemented with <i>Bifidobacterium bifidum</i> . <i>Scientific Reports</i> , 2018, 8, 13958.	3.3	121
14	<i>Bifidobacterium longum</i> subsp. <i>infantis</i> uses two different $\beta$ -galactosidases for selectively degrading type-1 and type-2 human milk oligosaccharides. <i>Glycobiology</i> , 2012, 22, 361-368.	2.5	120
15	A novel disaccharide substrate having 1,2-oxazoline moiety for detection of transglycosylating activity of endoglycosidases. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2001, 1528, 9-14.	2.4	112
16	Chemoenzymatic synthesis and application of glycopolymers containing multivalent sialyloligosaccharides with a poly(L-glutamic acid) backbone for inhibition of infection by influenza viruses. <i>Glycobiology</i> , 2003, 13, 315-326.	2.5	112
17	Structural and Thermodynamic Analyses of Solute-binding Protein from <i>Bifidobacterium longum</i> Specific for Core 1 Disaccharide and Lacto-N-biose I. <i>Journal of Biological Chemistry</i> , 2008, 283, 13165-13173.	3.4	111
18	Cooperation of $\beta$ -galactosidase and $\beta$ -N-acetylhexosaminidase from bifidobacteria in assimilation of human milk oligosaccharides with type 2 structure. <i>Glycobiology</i> , 2010, 20, 1402-1409.	2.5	111

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19	Structural Basis of the Catalytic Reaction Mechanism of Novel 1,2- $\alpha$ -L-Fucosidase from <i>Bifidobacterium bifidum</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 18497-18509.	3.4	110
20	1,2- $\alpha$ -L-Fucosynthase: A glycosynthase derived from an inverting $\alpha$ -glucosidase with an unusual reaction mechanism. <i>FEBS Letters</i> , 2008, 582, 3739-3743.	2.8	95
21	Transglycosylation of intact sialo complex-type oligosaccharides to the N-acetylglucosamine moieties of glycopeptides by <i>Mucor hiemalis</i> endo- $\beta$ -N-acetylglucosaminidase. <i>Carbohydrate Research</i> , 1996, 292, 61-70.	2.3	90
22	Efficient transfer of sialo-oligosaccharide onto proteins by combined use of a glycosynthase-like mutant of <i>Mucor hiemalis</i> endoglycosidase and synthetic sialo-complex-type sugar oxazoline. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 1203-1209.	2.4	87
23	Lacto-N-biosidase Encoded by a Novel Gene of <i>Bifidobacterium longum</i> Subspecies <i>longum</i> Shows Unique Substrate Specificity and Requires a Designated Chaperone for Its Active Expression. <i>Journal of Biological Chemistry</i> , 2013, 288, 25194-25206.	3.4	83
24	Purification and characterization of a protease-resistant cellulase from <i>Aspergillus niger</i> . <i>Journal of Bioscience and Bioengineering</i> , 1995, 79, 125-130.	0.9	82
25	Chemoenzymatic synthesis of a novel glycopeptide using a microbial endoglycosidase. <i>Carbohydrate Research</i> , 1997, 305, 415-422.	2.3	80
26	$\beta$ -N-Acetylgalactosaminidase from Infant-associated <i>Bifidobacteria</i> Belonging to Novel Glycoside Hydrolase Family 129 Is Implicated in Alternative Mucin Degradation Pathway. <i>Journal of Biological Chemistry</i> , 2012, 287, 693-700.	3.4	79
27	Induction and Purification of Endo- $\beta$ -N-Acetylglucosaminidase from <i>Arthrobacter protophormiae</i> Grown in Ovalbumin. <i>Applied and Environmental Microbiology</i> , 1989, 55, 3107-3112.	3.1	78
28	Differences in the Substrate Specificities and Active-Site Structures of Two $\alpha$ -L-Fucosidases (Glycoside Hydrolase Family 29) from <i>Bacteroides thetaiotaomicron</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 1022-1024.	1.3	75
29	Chemo-enzymatic synthesis of calcitonin derivatives containing N-linked oligosaccharides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998, 8, 1303-1306.	2.2	74
30	1,3-1,4- $\alpha$ -L-Fucosynthase That Specifically Introduces Lewis a/x Antigens into Type-1/2 Chains. <i>Journal of Biological Chemistry</i> , 2012, 287, 16709-16719.	3.4	74
31	Novel bifidobacterial glycosidases acting on sugar chains of mucin glycoproteins. <i>Journal of Bioscience and Bioengineering</i> , 2005, 99, 457-465.	2.2	73
32	Novel Specificities of <i>Mucor hiemalis</i> Endo- $\beta$ -N-acetylglucosaminidase Acting Complex Asparagine-Linked Oligosaccharides. <i>Bioscience, Biotechnology and Biochemistry</i> , 1994, 58, 72-77.	1.3	68
33	Identification of an endo- $\beta$ -N-acetylglucosaminidase gene in <i>Caenorhabditis elegans</i> and its expression in <i>Escherichia coli</i> . <i>Glycobiology</i> , 2002, 12, 581-587.	2.5	66
34	Exopolysaccharides Produced by <i>Leuconostoc mesenteroides</i> Strain NTM048 as an Immunostimulant To Enhance the Mucosal Barrier and Influence the Systemic Immune Response. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 7009-7015.	5.2	66
35	<i>Arthrobacter</i> Endo- $\beta$ -N-Acetylglucosaminidase Shows Transglycosylation Activity on Complex-Type N-Glycan Oxazolines: One-Pot Conversion of Ribonuclease B to Sialylated Ribonuclease C. <i>ChemBioChem</i> , 2010, 11, 1350-1355.	2.6	64
36	Probing the Effect of the Outer Saccharide Residues of N-Linked Glycans on Peptide Conformation. <i>Journal of the American Chemical Society</i> , 2001, 123, 6187-6188.	13.7	62

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37	Glucosamine induces autophagy via an mTOR-independent pathway. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 1775-1779.	2.1	60
38	Characterization of two different endo- $\beta$ -N-acetylgalactosaminidases from probiotic and pathogenic enterobacteria, <i>Bifidobacterium longum</i> and <i>Clostridium perfringens</i> . <i>Glycobiology</i> , 2008, 18, 727-734.	2.5	59
39	(R,S)-Tetrahydropapaveroline production by stepwise fermentation using engineered <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2014, 4, 6695.	3.3	57
40	Prebiotic Effect of Lacto-N-biose I on <i>Bifidobacterial</i> Growth. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 1175-1179.	1.3	56
41	Binding Specificity of <i>Lactobacillus</i> Glycolipids. <i>Biochemical and Biophysical Research Communications</i> , 1996, 228, 148-152.	2.1	55
42	Cloning of a gene encoding a highly stable endo- $\beta$ -1,4-glucanase from <i>Aspergillus niger</i> and its expression in yeast. <i>Journal of Bioscience and Bioengineering</i> , 2001, 92, 434-441.	2.2	54
43	Molecular cloning of <i>Mucor hiemalis</i> endo- $\beta$ -N-acetylglucosaminidase and some properties of the recombinant enzyme. <i>Archives of Biochemistry and Biophysics</i> , 2004, 432, 41-49.	3.0	54
44	Design of a Sialylglycopolymer with a Chitosan Backbone Having Efficient Inhibitory Activity against Influenza Virus Infection. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 4496-4503.	6.4	54
45	Effect of deglycosylation of N-linked sugar chains on glucose oxidase from <i>Aspergillus niger</i> . <i>Biochemistry and Cell Biology</i> , 1989, 67, 460-464.	2.0	53
46	Purification and characterization of a novel fungal endo- $\beta$ -N-acetylglucosaminidase acting on complex oligosaccharides of glycoproteins. <i>Agricultural and Biological Chemistry</i> , 1990, 54, 97-106.	0.3	53
47	Crystal Structures of a Glycoside Hydrolase Family 20 Lacto-N-biosidase from <i>Bifidobacterium bifidum</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 11795-11806.	3.4	53
48	Crystal Structures of Phosphoketolase. <i>Journal of Biological Chemistry</i> , 2010, 285, 34279-34287.	3.4	52
49	Chemo-Enzymatic synthesis of bioactive glycopeptide using microbial endoglycosidase. <i>Journal of Bioscience and Bioengineering</i> , 2001, 92, 493-501.	2.2	50
50	Chemoenzymatic synthesis and application of a sialoglycopolymer with a chitosan backbone as a potent inhibitor of human influenza virus hemagglutination. <i>Carbohydrate Research</i> , 2006, 341, 1803-1808.	2.3	50
51	Crystallographic and Mutational Analyses of Substrate Recognition of Endo- $\beta$ -N-acetylgalactosaminidase from <i>Bifidobacterium longum</i> . <i>Journal of Biochemistry</i> , 2009, 146, 389-398.	1.7	48
52	Cloning and characterization of a novel $\beta$ -galactosidase from <i>Bifidobacterium breve</i> 203 capable of synthesizing Gal- $\beta$ -1,4 linkage. <i>FEMS Microbiology Letters</i> , 2008, 285, 278-283.	1.8	46
53	Microbial Endo- $\beta$ -N-Acetylglucosaminidases Acting on Complex-Type Sugar Chains of Glycoproteins. <i>Journal of Biochemistry</i> , 1991, 110, 17-21.	1.7	45
54	Microbial production of novel sulphated alkaloids for drug discovery. <i>Scientific Reports</i> , 2018, 8, 7980.	3.3	44

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55	Chemo-enzymatic synthesis of a bioactive peptide containing a glutamine-linked oligosaccharide and its characterization. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2001, 1526, 242-248.	2.4	42
56	Characterization of Endo- $\beta$ -N-acetylgalactosaminidase from <i>Bacillus</i> sp. and Syntheses of Neo-oligosaccharides Using Its Transglycosylation Activity. <i>Archives of Biochemistry and Biophysics</i> , 2000, 373, 394-400.	3.0	38
57	High efficiency of transferring a native sugar chain from a glycopeptide by a microbial endoglycosidase in organic solvents. <i>Carbohydrate Research</i> , 2004, 339, 719-722.	2.3	38
58	Synthesis of mono-glucose-branched cyclodextrins with a high inclusion ability for doxorubicin and their efficient glycosylation using <i>Mucor hiemalis</i> endo- $\beta$ -N-acetylglucosaminidase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 1009-1013.	2.2	38
59	Identification and characterization of endo- $\beta$ -N-acetylglucosaminidase from methylotrophic yeast <i>Ogataea minuta</i> . <i>Glycobiology</i> , 2013, 23, 736-744.	2.5	37
60	Structural characterization of the immunostimulatory exopolysaccharide produced by <i>Leuconostoc mesenteroides</i> strain NTM048. <i>Carbohydrate Research</i> , 2017, 448, 95-102.	2.3	37
61	Purification, crystallization and preliminary X-ray analysis of the galacto-N-biose-/lacto-N-biose I-binding protein (GL-BP) of the ABC transporter from <i>Bifidobacterium longum</i> JCM1217. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 751-753.	0.7	36
62	Purification and characterization of endo- $\alpha$ -N-acetylgalactosaminidase from <i>Alcaligenes</i> sp.. <i>Agricultural and Biological Chemistry</i> , 1988, 52, 1715-1723.	0.3	35
63	Microbial Endoglycosidases for Analyses of Oligosaccharide Chains in Glycoproteins1. <i>Journal of Biochemistry</i> , 1994, 116, 229-235.	1.7	35
64	Free Oligosaccharides in the Cytosol of <i>Caenorhabditis elegans</i> Are Generated through Endoplasmic Reticulum-Golgi Trafficking. <i>Journal of Biological Chemistry</i> , 2007, 282, 22080-22088.	3.4	35
65	Purification and characterization of membrane-bound endoglycoceramidase from <i>Corynebacterium</i> sp.. <i>FEBS Journal</i> , 1992, 205, 729-735.	0.2	34
66	Cloning of a Gene Encoding a Highly Stable Endo- $\beta$ -1,4-Glucanase from <i>Aspergillus niger</i> and Its Expression in Yeast.. <i>Journal of Bioscience and Bioengineering</i> , 2001, 92, 434-441.	2.2	33
67	Introduction of H-antigens into oligosaccharides and sugar chains of glycoproteins using highly efficient 1,2- $\beta$ -l-fucosyltransferase. <i>Glycobiology</i> , 2016, 26, 1235-1247.	2.5	31
68	Structural elucidation of novel phosphocholine-containing glycosylinositol-phosphoceramides in filamentous fungi and their induction of cell death of cultured rice cells. <i>Biochemical Journal</i> , 2004, 378, 461-472.	3.7	30
69	Identification and characterization of a sulfoglycosidase from <i>Bifidobacterium bifidum</i> implicated in mucin glycan utilization. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 2018-2027.	1.3	30
70	Purification and Characterization of $\beta$ -D-Glucosidase ( $\beta$ -D-Fucosidase) from <i>Bifidobacterium breve</i> clb Acclimated to Cellobiose. <i>Bioscience, Biotechnology and Biochemistry</i> , 1996, 60, 188-193.	1.3	29
71	Cloning and Nucleotide Sequence of the $\beta$ -D-Glucosidase Gene from <i>Bifidobacterium breve</i> clb, and Expression of $\beta$ -D-Glucosidase Activity in <i>Escherichia coli</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 1996, 60, 2011-2018.	1.3	28
72	A remodeling system for the oligosaccharide chains on glycoproteins with microbial endo- $\beta$ -N-acetylglucosaminidases. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006, 1760, 1631-1635.	2.4	28

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73	Bifidobacterial $\beta$ -galactosidase with unique carbohydrate-binding module specifically acts on blood group B antigen. <i>Glycobiology</i> , 2013, 23, 232-240.	2.5	28
74	Complete amino acid sequence of endo-beta-N-acetylglucosaminidase from <i>Flavobacterium</i> sp.. <i>FEBS Journal</i> , 1991, 202, 175-180.	0.2	27
75	Newly Discovered Neutral Glycosphingolipids in Aureobasidin A-resistant Zygomycetes. <i>Journal of Biological Chemistry</i> , 2004, 279, 32028-32034.	3.4	26
76	Unique Peptide:N-glycanase of <i>Caenorhabditis elegans</i> has Activity of Protein Disulphide Reductase as well as of Deglycosylation. <i>Journal of Biochemistry</i> , 2007, 142, 175-181.	1.7	26
77	A Novel Glycosphingolipid Hydrolyzing Enzyme, Glycosphingolipid Ceramide Deacylase, Which Cleaves the Linkage between the Fatty Acid and Sphingosine Base in Glycosphingolipids. <i>Journal of Biochemistry</i> , 1988, 103, 1-4.	1.7	25
78	Characterization of Endo- $\beta$ -N-acetylglucosaminidase from Alkaliphilic <i>Bacillus halodurans</i> C-125. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 1059-1066.	1.3	25
79	$\beta$ -N-Acetylglucosaminidase from <i>Bifidobacterium bifidum</i> specifically hydrolyzes $\beta$ -linked N-acetylglucosamine at nonreducing terminus of O-glycan on gastric mucin. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 3941-3948.	3.6	25
80	Purification and characterization of endo-.BETA.-N-acetylglucosaminidase from a <i>Flavobacterium</i> sp.. <i>Agricultural and Biological Chemistry</i> , 1986, 50, 421-429.	0.3	24
81	<i>Lactobacillus kosoi</i> sp. nov., a fructophilic species isolated from kÅ'so, a Japanese sugar-vegetable fermented beverage. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1149-1156.	1.7	24
82	Elucidation of the role of sugar chains in glucoamylase using endo- $\beta$ -N-acetylglucosaminidase from <i>Flavobacterium</i> sp.. <i>BBA - Proteins and Proteomics</i> , 1988, 955, 187-193.	2.1	23
83	Purification and characterization of .BETA.-N-acetylhexosaminidase from <i>Penicillium oxalicum</i> .. <i>Agricultural and Biological Chemistry</i> , 1985, 49, 611-619.	0.3	22
84	The chemo-enzymatic synthesis and evaluation of oligosaccharide-branched cyclodextrins. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997, 7, 2353-2356.	2.2	22
85	Recent advances in glycotecchnology for glycoconjugate synthesis using microbial endoglycosidases. <i>Biotechnology Letters</i> , 2013, 35, 1733-1743.	2.2	22
86	Chemo-enzymatic synthesis of eel calcitonin glycosylated at two sites with the same and different carbohydrate structures. <i>Carbohydrate Research</i> , 2006, 341, 181-190.	2.3	21
87	Generation of a Mutant <i>Mucor hiemalis</i> Endoglycosidase That Acts on Core-fucosylated N-Glycans. <i>Journal of Biological Chemistry</i> , 2016, 291, 23305-23317.	3.4	21
88	Isolation and characterization of a blood group A substance-degrading .ALPHA.-N-acetylgalactosaminidase from an <i>Acremonium</i> sp.. <i>Agricultural and Biological Chemistry</i> , 1989, 53, 111-120.	0.3	20
89	Action of endo- $\beta$ -N-acetylgalactosaminidase from <i>Alcaligenes</i> sp. on amino acid-O-glycans: Comparison with the enzyme from <i>Diplococcus pneumoniae</i> . <i>Biochemical and Biophysical Research Communications</i> , 1990, 169, 751-757.	2.1	20
90	Chemo-enzymatic synthesis of the glycosylated $\beta$ -mating factor of <i>Saccharomyces cerevisiae</i> and analysis of its biological activity. <i>Archives of Biochemistry and Biophysics</i> , 2002, 406, 127-134.	3.0	20

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91	Transcriptional Regulation of Tyrosine Phenol-Lyase Gene of <i>Erwinia herbicola</i> AJ2985. <i>Bioscience, Biotechnology and Biochemistry</i> , 1995, 59, 2339-2341.	1.3	19
92	Enzymatic syntheses of T antigen-containing glycolipid mimicry using the transglycosylation activity of endo- $\beta$ -N-acetylgalactosaminidase. <i>Carbohydrate Research</i> , 2001, 330, 487-493.	2.3	19
93	Synthesis and inhibitory activity of oligosaccharide thiazolines as a class of mechanism-based inhibitors for endo- $\beta$ -N-acetylglucosaminidases. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 4670-4675.	3.0	19
94	Preparation of GDP-L-fucose by using microbial enzymes.. <i>Agricultural and Biological Chemistry</i> , 1984, 48, 823-824.	0.3	18
95	Molecular Cloning of cDNA Encoding $\beta$ -N-Acetylgalactosaminidase from <i>Acremonium</i> sp. and Its Expression in Yeast. <i>Archives of Biochemistry and Biophysics</i> , 2000, 384, 305-310.	3.0	18
96	Ruthenium complexes carrying a disialo complex-type oligosaccharide: enzymatic synthesis and its application to a luminescent probe to detect influenza viruses. <i>Chemical Communications</i> , 2003, , 1250-1251.	4.1	18
97	One-step synthesis of efficient binding-inhibitor for influenza virus through multiple addition of sialyloligosaccharides on chitosan. <i>Carbohydrate Polymers</i> , 2010, 81, 330-334.	10.2	18
98	Laboratory-scale production of ( <i>S</i> )-reticuline, an important intermediate of benzyloisoquinoline alkaloids, using a bacterial-based method. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 396-402.	1.3	18
99	Transglycosylation reaction of <i>Mucor hiemalis</i> endo- $\beta$ -N-acetylglucosaminidase using sugar derivatives modified at C-1 or C-2 as oligosaccharide acceptors. <i>Carbohydrate Research</i> , 2004, 339, 1403-1406.	2.3	17
100	A novel endo- $\beta$ -N-acetylglucosaminidase acting on complex oligosaccharides of glycoproteins in a fungus.. <i>Agricultural and Biological Chemistry</i> , 1988, 52, 2387-2389.	0.3	16
101	Levansucrase from <i>Leuconostoc mesenteroides</i> NTM048 produces a levan exopolysaccharide with immunomodulating activity. <i>Biotechnology Letters</i> , 2016, 38, 681-687.	2.2	16
102	Purification and Characterization of $\beta$ -L-Fucosidase from <i>Bacillus circulans</i> Grown on Porcine Gastric Mucin. <i>Journal of Biochemistry</i> , 1990, 107, 324-330.	1.7	15
103	Characterization of a lactate oxidase from a strain of gram negative bacterium from soil. <i>Applied Biochemistry and Biotechnology</i> , 1996, 56, 277-288.	2.9	15
104	Novel substrate specificities of two lacto-N-biosidases towards $\beta$ -linked galacto-N-biose-containing oligosaccharides of globo H, Gb5, and GA1. <i>Carbohydrate Research</i> , 2015, 408, 18-24.	2.3	15
105	Bifunctional properties and characterization of a novel sialidase with esterase activity from <i>Bifidobacterium bifidum</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 2030-2039.	1.3	15
106	Isolation of endo- $\alpha$ -N-acetylgalactosaminidase from an aerobic bacterium.. <i>Agricultural and Biological Chemistry</i> , 1987, 51, 3169-3171.	0.3	14
107	<i>Mucor hiemalis</i> endo- $\beta$ -N-acetylglucosaminidase can transglycosylate a bisecting hybrid-type oligosaccharide from an ovalbumin glycopeptide. <i>Carbohydrate Research</i> , 2004, 339, 2633-2635.	2.3	14
108	Identification of the Catalytic Acid Base Residue of <i>Arthrobacter</i> Endo- $\beta$ -N-Acetylglucosaminidase by Chemical Rescue of an Inactive Mutant. <i>Journal of Biochemistry</i> , 2007, 142, 301-306.	1.7	14

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109	Convenient preparation and characterization of a monoclonal antibody for the N-linked sugar chain of a glycoprotein using a microbial endoglycosidase. Archives of Biochemistry and Biophysics, 2008, 477, 299-304.	3.0	14
110	Structural analysis of cerebrosides from Aspergillus fungi: the existence of galactosylceramide in A. oryzae. Biotechnology Letters, 2014, 36, 2507-2513.	2.2	14
111	Enzymatically synthesized exopolysaccharide of a probiotic strain <i>Leuconostoc mesenteroides</i> NTM048 shows adjuvant activity to promote IgA antibody responses. Gut Microbes, 2021, 13, 1949097.	9.8	14
112	Application study of 1,2- $\alpha$ -fucosyltransferase: introduction of Fuc1-2Gal disaccharide structures on N-glycan, ganglioside, and xyloglucan oligosaccharide. Bioscience, Biotechnology and Biochemistry, 2017, 81, 283-291.	1.3	13
113	Conversion of inverting glycoside hydrolases into catalysts for synthesizing glycosides employing a glycosynthase strategy. Trends in Glycoscience and Glycotechnology, 2009, 21, 23-39.	0.1	13
114	Chemoenzymatic Synthesis of Neoglycopeptides Using Endo $\beta$ -N-acetylglucosaminidase from <i>Mucor hiemalis</i> . Methods in Enzymology, 2003, 362, 74-85.	1.0	12
115	Chemo-enzymatic synthesis and structure-activity study of artificially N-glycosylated eel calcitonin derivatives with a complex type oligosaccharide. Glycoconjugate Journal, 2004, 21, 377-386.	2.7	12
116	Specificity of Donor Structures for endo $\beta$ -N-acetylglucosaminidase-Catalyzed Transglycosylation Reactions. ChemBioChem, 2018, 19, 136-141.	2.6	12
117	Effect of protease digestion on the activity of sugar-depleted enzymes prepared with endo- $\beta$ -N-acetylglucosaminidase from <i>Flavobacterium</i> sp.. Agricultural and Biological Chemistry, 1987, 51, 1481-1487.	0.3	11
118	Enzymatic preparation of biotinylated naturally-occurring sialylglycan and its molecular recognition on a quartz-crystal microbalance. Chemical Communications, 2004, , 2692.	4.1	11
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