

Kaoru Takegawa

List of Publications by Year in descending order

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153
papers

6,478
citations

147726

31
h-index

69214

77
g-index

155
all docs

155
docs citations

155
times ranked

11797
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
2	Engineering of protein secretion in yeast: strategies and impact on protein production. <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 403-417.	1.7	281
3	Enhanced Transglycosylation Activity of <i>Arthrobacter protophormiae</i> Endo- β -N-acetylglucosaminidase in Media Containing Organic Solvents. <i>Journal of Biological Chemistry</i> , 1995, 270, 17723-17729.	1.6	121
4	Synthesis of Neoglycoproteins Using Oligosaccharide-transfer Activity with Endo- β -N-Acetylglucosaminidase. <i>Journal of Biological Chemistry</i> , 1995, 270, 3094-3099.	1.6	104
5	The <i>Schizosaccharomyces pombe</i> gms1+ Gene Encodes an UDP-Galactose Transporter Homologue Required for Protein Galactosylation. <i>Biochemical and Biophysical Research Communications</i> , 1997, 232, 121-125.	1.0	80
6	Genome Sequence of the White Koji Mold <i>Aspergillus kawachii</i> IFO 4308, Used for Brewing the Japanese Distilled Spirit Shochu. <i>Eukaryotic Cell</i> , 2011, 10, 1586-1587.	3.4	78
7	Induction and Purification of Endo- β -N-Acetylglucosaminidase from <i>Arthrobacter protophormiae</i> Grown in Ovalbumin. <i>Applied and Environmental Microbiology</i> , 1989, 55, 3107-3112.	1.4	78
8	Multiple functions of ergosterol in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Microbiology (United Kingdom)</i> , 2008, 154, 830-841.	0.7	76
9	A simple and efficient procedure for transformation of <i>Schizosaccharomyces pombe</i> . <i>Yeast</i> , 2004, 21, 613-617.	0.8	73
10	Isolation and Characterization of an Invertase and Its Repressor Genes from <i>Schizosaccharomyces pombe</i> . <i>Biochemical and Biophysical Research Communications</i> , 1998, 245, 246-253.	1.0	67
11	<i>Schizosaccharomyces pombe</i> minimum genome factory. <i>Biotechnology and Applied Biochemistry</i> , 2007, 46, 147.	1.4	65
12	Cloning, Sequencing, and Expression of <i>Arthrobacter protophormiae</i> Endo- β -N-acetylglucosaminidase in <i>Escherichia coli</i> . <i>Archives of Biochemistry and Biophysics</i> , 1997, 338, 22-28.	1.4	63
13	Autophagy-deficient <i>Schizosaccharomyces pombe</i> mutants undergo partial sporulation during nitrogen starvation. <i>Microbiology (United Kingdom)</i> , 2009, 155, 3816-3826.	0.7	63
14	Variable phase-contrast fluorescence spectrometry for fluorescently stained cells. <i>Applied Physics Letters</i> , 2006, 89, 121103.	1.5	62
15	<i>gfsA</i> encodes a novel galactofuranosyltransferase involved in biosynthesis of galactofuranose antigen of <i>O</i> -glycan in <i>Aspergillus nidulans</i> and <i>Aspergillus fumigatus</i> . <i>Molecular Microbiology</i> , 2013, 90, 1054-1073.	1.2	60
16	Enhanced protein secretion from multiprotease-deficient fission yeast by modification of its vacuolar protein sorting pathway. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 667-677.	1.7	59
17	Production of heterologous proteins using the fission-yeast (<i>Schizosaccharomyces pombe</i>) expression system. <i>Biotechnology and Applied Biochemistry</i> , 2009, 53, 227-235.	1.4	58
18	A Set of loxP Marker Cassettes for Cre-mediated Multiple Gene Disruption in <i>Schizosaccharomyces pombe</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 545-550.	0.6	49

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19	A simple and effective chromosome modification method for large-scale deletion of genome sequences and identification of essential genes in fission yeast. <i>Nucleic Acids Research</i> , 2006, 34, e11-e11.	6.5	49
20	The <i>gld1</i> + gene encoding glycerol dehydrogenase is required for glycerol metabolism in <i>Schizosaccharomyces pombe</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 715-727.	1.7	49
21	Characterization of <i>end4+</i> , a gene required for endocytosis in <i>Schizosaccharomyces pombe</i> . <i>Yeast</i> , 2004, 21, 867-881.	0.8	48
22	Vesicle-mediated Protein Transport Pathways to the Vacuole in <i>Schizosaccharomyces pombe</i> . <i>Cell Structure and Function</i> , 2003, 28, 399-417.	0.5	46
23	Protein <i>O</i> -Mannosyltransferases B and C Support Hyphal Development and Differentiation in <i>Aspergillus nidulans</i> . <i>Eukaryotic Cell</i> , 2009, 8, 1465-1474.	3.4	43
24	Autophagy in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>FEBS Letters</i> , 2010, 584, 1327-1334.	1.3	43
25	Vacuolar protein sorting receptor in <i>Schizosaccharomyces pombe</i> . <i>Microbiology (United Kingdom)</i> , 2006, 152, 1523-1532.	0.7	39
26	A survey of all 11 ABC transporters in fission yeast: two novel ABC transporters are required for red pigment accumulation in a <i>Schizosaccharomyces pombe</i> adenine biosynthetic mutant. <i>Microbiology (United Kingdom)</i> , 2006, 152, 2309-2321.	0.7	38
27	Transglycosylation Activity of Glycosynthase Mutants of Endo- β -N-Acetylglucosaminidase from <i>Coprinopsis cinerea</i> . <i>PLoS ONE</i> , 2015, 10, e0132859.	1.1	38
28	Characterization of <i>vps33+</i> , a gene required for vacuolar biogenesis and protein sorting in <i>Schizosaccharomyces pombe</i> . <i>Yeast</i> , 2003, 20, 845-855.	0.8	37
29	Two Fission Yeast Rab7 Homologs, Ypt7 and Ypt71, Play Antagonistic Roles in the Regulation of Vacuolar Morphology. <i>Traffic</i> , 2009, 10, 912-924.	1.3	34
30	Identification of a galactose-specific flocculin essential for nonsexual flocculation and filamentous growth in <i>Schizosaccharomyces pombe</i> . <i>Molecular Microbiology</i> , 2011, 82, 1531-1544.	1.2	33
31	<i>Snf1</i> -Like Protein Kinase <i>Ssp2</i> Regulates Glucose Derepression in <i>Schizosaccharomyces pombe</i> . <i>Eukaryotic Cell</i> , 2012, 11, 159-167.	3.4	33
32	Cell Surface Galactosylation Is Essential for Nonsexual Flocculation in <i>Schizosaccharomyces pombe</i> . <i>Journal of Bacteriology</i> , 1999, 181, 1356-1359.	1.0	33
33	<i>GfsA</i> is a β 1,5-galactofuranosyltransferase involved in the biosynthesis of the galactofuran side chain of fungal-type galactomannan in <i>Aspergillus fumigatus</i> . <i>Glycobiology</i> , 2017, 27, 568-581.	1.3	32
34	Essential roles of class E Vps proteins for sorting into multivesicular bodies in <i>Schizosaccharomyces pombe</i> . <i>Microbiology (United Kingdom)</i> , 2007, 153, 2753-2764.	0.7	32
35	Functional characterization of <i>Gms1p</i> /UDP-galactose transporter in <i>Schizosaccharomyces pombe</i> . <i>Yeast</i> , 2001, 18, 745-757.	0.8	31
36	Transfer of Man9GlcNAc to fucose by endo- β -N-acetylglucosaminidase from <i>Arthrobacter protophormiae</i> . <i>Glycoconjugate Journal</i> , 1996, 13, 643-652.	1.4	30

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37	Characterization of a <i>Schizosaccharomyces pombe</i> mutant deficient in UDP-galactose transport activity. <i>Yeast</i> , 2001, 18, 903-914.	0.8	30
38	Valproic Acid Affects Membrane Trafficking and Cell-Wall Integrity in Fission Yeast. <i>Genetics</i> , 2007, 175, 1695-1705.	1.2	30
39	Production of 3-hydroxypropionic acid via the malonyl-CoA pathway using recombinant fission yeast strains. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 392-399.	1.1	29
40	Six new amino acid-auxotrophic markers for targeted gene integration and disruption in fission yeast. <i>Current Genetics</i> , 2007, 52, 97-105.	0.8	28
41	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
42	Identification and characterization of a gene required for α 1,2-mannose extension in the O-linked glycan synthesis pathway in <i>Schizosaccharomyces pombe</i> . <i>FEMS Yeast Research</i> , 2009, 9, 115-125.	1.1	27
43	Theoch1 Mutant of <i>Schizosaccharomyces pombe</i> Produces Galactosylated Core Structures of N-Linked Oligosaccharides. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 407-414.	0.6	26
44	Characterization of Endo- β -N-acetylglucosaminidase from Alkaliphilic <i>Bacillus halodurans</i> C-125. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 1059-1066.	0.6	25
45	Elucidation of the role of sugar chains in glucoamylase using endo- β -N-acetylglucosaminidase from <i>Flavobacterium</i> sp.. <i>BBA - Proteins and Proteomics</i> , 1988, 955, 187-193.	2.1	23
46	<i>Schizosaccharomyces pombe</i> UDP-galactose transporter: identification of its functional form through cDNA cloning and expression in mammalian cells. <i>FEBS Letters</i> , 1999, 451, 295-298.	1.3	23
47	Role of phosphatidylinositol 3-phosphate in formation of forespore membrane in <i>Schizosaccharomyces pombe</i> . <i>Yeast</i> , 2003, 20, 193-206.	0.8	23
48	Homocysteine accumulation causes a defect in purine biosynthesis: further characterization of <i>Schizosaccharomyces pombe</i> methionine auxotrophs. <i>Microbiology (United Kingdom)</i> , 2006, 152, 397-404.	0.7	23
49	New insights into galactose metabolism by <i>Schizosaccharomyces pombe</i> : Isolation and characterization of a galactose-assimilating mutant. <i>Journal of Bioscience and Bioengineering</i> , 2011, 111, 158-166.	1.1	23
50	Intracellular trafficking and ubiquitination of the <i>Schizosaccharomyces pombe</i> amino acid permease Aat1p. <i>Microbiology (United Kingdom)</i> , 2012, 158, 659-673.	0.7	23
51	Functional analysis of the human NRAMP family expressed in fission yeast. <i>Biochemical Journal</i> , 1999, 344, 211-219.	1.7	22
52	Characterization of O-mannosyltransferase family in <i>Schizosaccharomyces pombe</i> . <i>Biochemical and Biophysical Research Communications</i> , 2005, 330, 813-820.	1.0	22
53	The fission yeast Pvg1p has galactose-specific pyruvyltransferase activity. <i>FEBS Letters</i> , 2013, 587, 917-921.	1.3	22
54	Identification of the <i>fxn1</i> and <i>fxn2</i> genes for vacuolar amino acid transporters in <i>Schizosaccharomyces pombe</i> . <i>FEBS Letters</i> , 2008, 582, 2225-2230.	1.3	21

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55	Overexpression of protein disulfide isomerases enhances secretion of recombinant human transferrin in <i>Schizosaccharomyces pombe</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 1135-1143.	1.7	21
56	Highly efficient transglycosylation of sialo-complex-type oligosaccharide using <i>Coprinopsis cinerea</i> endoglycosidase and sugar oxazoline. <i>Biotechnology Letters</i> , 2017, 39, 157-162.	1.1	21
57	A Role for Fission Yeast Rab GTPase Ypt7p in Sporulation. <i>Cell Structure and Function</i> , 2005, 30, 43-49.	0.5	21
58	Sorting nexin homologues are targets of phosphatidylinositol 3-phosphate in sporulation of <i>Schizosaccharomyces pombe</i> . <i>Genes To Cells</i> , 2004, 9, 561-574.	0.5	20
59	A Method for Measuring the Three-Dimensional Refractive-Index Distribution of Single Cells Using Proximal Two-Beam Optical Tweezers and a Phase-Shifting Machâ€”Zehnder Interferometer. <i>Optical Review</i> , 2007, 14, 161-164.	1.2	20
60	Dextran sodium sulfate enhances secretion of recombinant human transferrin in <i>Schizosaccharomyces pombe</i> . <i>Applied Microbiology and Biotechnology</i> , 2009, 85, 155-164.	1.7	20
61	N- and O-linked oligosaccharides completely lack galactose residues in the <i>gms1och1</i> mutant of <i>Schizosaccharomyces pombe</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 263-272.	1.7	20
62	Characterization of genome-reduced fission yeast strains. <i>Nucleic Acids Research</i> , 2013, 41, 5382-5399.	6.5	20
63	The dynamin-related protein Vps1 regulates vacuole fission, fusion and tubulation in the fission yeast, <i>Schizosaccharomyces pombe</i> . <i>Fungal Genetics and Biology</i> , 2009, 46, 927-935.	0.9	19
64	Processing and maturation of carboxypeptidase Y and alkaline phosphatase in <i>Schizosaccharomyces pombe</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 203-213.	1.7	18
65	Identification and Characterization of a Novel Galactofuranose-Specific Î²-D-Galactofuranosidase from <i>Streptomyces</i> Species. <i>PLoS ONE</i> , 2015, 10, e0137230.	1.1	18
66	Identification of Novel Î±1,3-Galactosyltransferase and Elimination of Î±-Galactose-containing Glycans by Disruption of Multiple Î±-Galactosyltransferase Genes in <i>Schizosaccharomyces pombe</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 38866-38875.	1.6	17
67	Chemoenzymatic Synthesis of Neoglycoproteins Using Transglycosylation with Endo-Î²-N-acetylglucosaminidase A. <i>Biochemical and Biophysical Research Communications</i> , 2001, 282, 678-682.	1.0	16
68	Development of a genetic transformation system using new selectable markers for fission yeast <i>Schizosaccharomyces pombe</i> . <i>Yeast</i> , 2005, 22, 193-202.	0.8	16
69	A precise method for rotating single cells. <i>Applied Physics Letters</i> , 2006, 88, 131103.	1.5	16
70	Characterization of two different types of UDP-glucose/-galactose4-epimerase involved in galactosylation in fission yeast. <i>Microbiology (United Kingdom)</i> , 2010, 156, 708-718.	0.7	16
71	PhpA, a tyrosine phosphatase of <i>Myxococcus xanthus</i> , is involved in the production of exopolysaccharide. <i>Microbiology (United Kingdom)</i> , 2012, 158, 2546-2555.	0.7	16
72	MADS Box Transcription Factor Mbx2/Pvg4 Regulates Invasive Growth and Flocculation by Inducing <i>gsf2</i> Expression in Fission Yeast. <i>Eukaryotic Cell</i> , 2012, 11, 151-158.	3.4	16

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73	A rationally engineered yeast pyruvyltransferase Pvg1p introduces sialylation-like properties in neo-human-type complex oligosaccharide. <i>Scientific Reports</i> , 2016, 6, 26349.	1.6	16
74	Isolation and Characterization of a Novel Endo- β -galactofuranosidase from <i>Bacillus</i> sp.. <i>Bioscience, Biotechnology and Biochemistry</i> , 1995, 59, 1856-1860.	0.6	15
75	Identification of a SNARE protein required for vacuolar protein transport in <i>Schizosaccharomyces pombe</i> . <i>Biochemical and Biophysical Research Communications</i> , 2003, 311, 77-82.	1.0	14
76	Production of heterologous glycoproteins by a glycosylation-defective <i>alg3och1</i> mutant of <i>Schizosaccharomyces pombe</i> . <i>Journal of Biotechnology</i> , 2010, 150, 348-356.	1.9	14
77	Structural analysis of β 1,3-linked galactose-containing oligosaccharides in <i>Schizosaccharomyces pombe</i> mutants harboring single and multiple β -galactosyltransferase genes disruptions. <i>Glycobiology</i> , 2011, 21, 340-351.	1.3	14
78	The endogenous galactofuranosidase GlfH1 hydrolyzes mycobacterial arabinogalactan. <i>Journal of Biological Chemistry</i> , 2020, 295, 5110-5123.	1.6	14
79	Preparation and biological activities of anti-HER2 monoclonal antibodies with fully core-fucosylated homogeneous bi-antennary complex-type glycans. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 2353-2359.	0.6	13
80	Structural basis for the specific cleavage of core-fucosylated N-glycans by endo- β -N-acetylglucosaminidase from the fungus <i>Cordyceps militaris</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 17143-17154.	1.6	13
81	Biosynthesis of β -(1 \rightarrow 5)-Galactofuranosyl Chains of Fungal-Type and <i>O</i> -Mannose-Type Galactomannans within the Invasive Pathogen <i>Aspergillus fumigatus</i> . <i>MSphere</i> , 2020, 5, .	1.3	13
82	Analysis of an acyl-CoA binding protein in <i>Aspergillus oryzae</i> that undergoes unconventional secretion. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 481-486.	1.0	12
83	Characterization of novel endo- β -N-acetylglucosaminidases from <i>Sphingobacterium</i> species, <i>Beauveria bassiana</i> and <i>Cordyceps militaris</i> that specifically hydrolyze fucose-containing oligosaccharides and human IgG. <i>Scientific Reports</i> , 2018, 8, 246.	1.6	12
84	Heterologous expression and characterization of <i>Schizosaccharomyces pombe</i> vacuolar carboxypeptidase Y in <i>Saccharomyces cerevisiae</i> . <i>Current Genetics</i> , 2003, 42, 252-259.	0.8	11
85	The Ubiquitin Ligase Ubr11 Is Essential for Oligopeptide Utilization in the Fission Yeast <i>Schizosaccharomyces pombe</i> . <i>Eukaryotic Cell</i> , 2012, 11, 302-310.	3.4	11
86	Early endosome motility mediates β -amylase production and cell differentiation in <i>Aspergillus oryzae</i> . <i>Scientific Reports</i> , 2017, 7, 15757.	1.6	11
87	1,6- β -L-Fucosidases from <i>Bifidobacterium longum</i> subsp. <i>infantis</i> ATCC 15697 Involved in the Degradation of Core-fucosylated β -N-Glycan. <i>Journal of Applied Glycoscience</i> (1999), 2020, 67, 23-29.	0.3	11
88	Functional Expression and Characterization of <i>Schizosaccharomyces pombe</i> Avt3p as a Vacuolar Amino Acid Exporter in <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2015, 10, e0130542.	1.1	10
89	Subcellular localization of acyl-CoA binding protein in <i>Aspergillus oryzae</i> is regulated by autophagy machinery. <i>Biochemical and Biophysical Research Communications</i> , 2016, 480, 8-12.	1.0	10
90	Characterization of a PA14 domain-containing galactofuranose-specific β -galactofuranosidase from <i>Streptomyces</i> sp.. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 1314-1319.	0.6	10

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91	Catalytic Activity Profile of Polyphosphate Kinase 1 from <i>Myxococcus xanthus</i> . <i>Current Microbiology</i> , 2018, 75, 379-385.	1.0	10
92	Translational velocity measurement for single floating cell based on optical Fourier transform theory. <i>Applied Physics Letters</i> , 2006, 88, 101114.	1.5	9
93	The zinc finger protein Gsf1 regulates Gsf2-dependent flocculation in fission yeast. <i>FEMS Yeast Research</i> , 2013, 13, 259-266.	1.1	9
94	Identification and characterization of a novel β -D-galactosidase that releases pyruvylated galactose. <i>Scientific Reports</i> , 2018, 8, 12013.	1.6	9
95	Biosynthetic Pathway and Physiological Role of Galactose-Containing Oligosaccharides in Fission Yeast <i>Schizosaccharomyces pombe</i> . <i>Trends in Glycoscience and Glycotechnology</i> , 2001, 13, 519-532.	0.0	9
96	<i>Schizosaccharomyces pombe</i> Pep12p is required for vacuolar protein transport and vacuolar homotypic fusion. <i>Journal of Bioscience and Bioengineering</i> , 2011, 112, 309-314.	1.1	8
97	Ethanol-inducible gene expression using <i>gld1</i> + promoter in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 6835-6843.	1.7	8
98	Regulation of mating type switching by the mating type genes and RME1 in <i>Oogataea polymorpha</i> . <i>Scientific Reports</i> , 2017, 7, 16318.	1.6	8
99	Functional analysis of putative phosphoenolpyruvate transporters localized to the Golgi apparatus in <i>Schizosaccharomyces pombe</i> . <i>FEMS Yeast Research</i> , 2014, 14, n/a-n/a.	1.1	7
100	Enzymatic Synthesis of Neoglycoconjugates by Transglycosylation with Endo- β -N-acetylglucosaminidase A. <i>Methods in Enzymology</i> , 2003, 362, 64-74.	0.4	6
101	Atg22p, a Vacuolar Membrane Protein Involved in the Amino Acid Compartmentalization of <i>Schizosaccharomyces pombe</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 385-387.	0.6	6
102	Expression of budding yeast IPT1 produces mannosyldiinositol phosphorylceramide in fission yeast and inhibits cell growth. <i>Microbiology (United Kingdom)</i> , 2012, 158, 1219-1228.	0.7	6
103	Promotion of glycerol utilization using ethanol and 1-propanol in <i>Schizosaccharomyces pombe</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 441-449.	1.7	6
104	Draft Genome Sequence of <i>Streptomyces</i> sp. JHA19, a Strain That Possesses β -D-Galactofuranosidase Activity. <i>Genome Announcements</i> , 2015, 3, .	0.8	6
105	Chemo-enzymatic synthesis of p-nitrophenyl β -D-galactofuranosyl disaccharides from <i>Aspergillus</i> sp. fungal-type galactomannan. <i>Carbohydrate Research</i> , 2019, 473, 99-103.	1.1	6
106	Single-Molecule FISH Reveals Subcellular Localization of β -Amylase and Actin mRNAs in the Filamentous Fungus <i>Aspergillus oryzae</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 578862.	1.5	6
107	SpMnn9p and SpAnp1p form a protein complex involved in mannan synthesis in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 335-340.	1.1	6
108	Identification of Amino Acid Residues Essential for the Substrate Specificity of <i>Flavobacterium</i> sp. Endo- β -N-acetylglucosaminidase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2001, 65, 1542-1548.	0.6	5

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109	ght2 + is required for UDP-galactose synthesis from extracellular galactose by <i>Schizosaccharomyces pombe</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 4957-4964.	1.7	5
110	Characterization and functional analysis of ERAD-related AAA+ ATPase Cdc48 in <i>Aspergillus oryzae</i> . <i>Fungal Biology</i> , 2020, 124, 801-813.	1.1	5
111	Characterization of N- and O-linked galactosylated oligosaccharides from fission yeast species. <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 128-136.	1.1	5
112	Identification and characterization of β -D-galactofuranosidases from <i>Aspergillus nidulans</i> and <i>Aspergillus fumigatus</i> . <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 1-7.	1.1	5
113	Secretory production of N-glycan-deleted glycoprotein in <i>Aspergillus oryzae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 573-580.	1.1	5
114	β -Eliminative cleavage of the acidic polysaccharide of <i>Fusarium</i> sp. M7-1 by an enzyme preparation of <i>Cellulomonas</i> sp.. <i>Agricultural and Biological Chemistry</i> , 1990, 54, 419-425.	0.3	5
115	Analysis of ambient pH stress response mediated by iron and copper intake in <i>Schizosaccharomyces pombe</i> . <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 92-96.	1.1	4
116	Galactofuranosidase from JHA 19 <i>Streptomyces</i> sp.: subcloning and biochemical characterization. <i>Carbohydrate Research</i> , 2019, 480, 35-41.	1.1	4
117	Identification and characterization of a novel, versatile sialidase from a <i>Sphingobacterium</i> that can hydrolyze the glycosides of any sialic acid species at neutral pH. <i>Biochemical and Biophysical Research Communications</i> , 2020, 523, 487-492.	1.0	4
118	Characterization of novel endo- β -N-acetylglucosaminidase from <i>Bacteroides nordii</i> that hydrolyzes multi-branched complex type N-glycans. <i>Journal of Bioscience and Bioengineering</i> , 2022, 134, 7-13.	1.1	4
119	Attitudinal manipulation of an optically trapped bacillary probe by controlling the distance between focal points for local dosing in cells. <i>Applied Physics Letters</i> , 2006, 89, 131107.	1.5	3
120	CUE Domain-Containing Protein Vps901 Is Required for Vacuolar Protein Transport in <i>Schizosaccharomyces pombe</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 652-659.	0.6	3
121	The amino-terminal hydrophilic region of the vacuolar transporter Avt3p is dispensable for the vacuolar amino acid compartmentalization of <i>Schizosaccharomyces pombe</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 2291-2297.	0.6	3
122	Mutation in fission yeast phosphatidylinositol 4-kinase Pik1 is synthetically lethal with defect in telomere protection protein Pot1. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 1284-1290.	1.0	3
123	Genomic Sequence of <i>Saccharomyces cerevisiae</i> BAW-6, a Yeast Strain Optimal for Brewing Barley Shochu. <i>Genome Announcements</i> , 2018, 6, .	0.8	3
124	Substrate specificities of β 1,2- and β 1,3-galactosyltransferases and characterization of Gmh1p and Otg1p in <i>Schizosaccharomyces pombe</i> . <i>Glycobiology</i> , 2021, 31, 1037-1045.	1.3	3
125	Galactose-Specific Recognition System in the Fission Yeast <i>Schizosaccharomyces pombe</i> . <i>Trends in Glycoscience and Glycotechnology</i> , 2012, 24, 24-42.	0.0	3
126	Involvement of AAA ATPase AipA in endocytosis of the arginine permease AoCan1 depending on AoAbp1 in <i>Aspergillus oryzae</i> . <i>Fungal Biology</i> , 2022, 126, 149-161.	1.1	3

#	ARTICLE	IF	CITATIONS
127	Primary Structure of an <i>O</i> -Linked Sugar Chain Derived from Glucose Oxidase of <i>Aspergillus niger</i> . <i>Agricultural and Biological Chemistry</i> , 1991, 55, 883-884.	0.3	2
128	Three-dimensional phase-contrast imaging of single floating cells. <i>Applied Physics Letters</i> , 2006, 89, 241117.	1.5	2
129	Displacement measurement of the depth migration of transparent cells. <i>Applied Physics Letters</i> , 2006, 89, 241102.	1.5	2
130	Technique for measuring the rotational velocity of a single cell. <i>Applied Physics Letters</i> , 2007, 90, 051103.	1.5	2
131	Draft Genome Sequence of <i>Streptomyces</i> sp. JHA26, a Strain That Harbors a PA14 Domain Containing β -Galactofuranosidase. <i>Genome Announcements</i> , 2017, 5, .	0.8	2
132	Catechol O-methyltransferase homologs in <i>Schizosaccharomyces pombe</i> are response factors to alkaline and salt stress. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 4881-4887.	1.7	2
133	Stm1 is a vacuolar PQ-loop protein involved in the transport of basic amino acids in <i>Schizosaccharomyces pombe</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183507.	1.4	2
134	Correlative Localization Analysis Between mRNA and Enhanced Green Fluorescence Protein-Fused Protein by a Single-Molecule Fluorescence in situ Hybridization Using an egfp Probe in <i>Aspergillus oryzae</i> . <i>Frontiers in Fungal Biology</i> , 2021, 2, .	0.9	2
135	Microbial β -L-Rhamnosidases of Glycosyl Hydrolase Families GH78 and GH106 Have Broad Substrate Specificities toward β -L-Rhamnosyl- and β -L-Mannosyl-Linkages. <i>Journal of Applied Glycoscience</i> (1999), 2020, 67, 87-93.	0.3	2
136	Deglycosylated glucoamylase from <i>Rhizopus niveus</i> is precipitated by <i>Flavobacterium</i> sp. endo- β -N-acetylglucosaminidase. <i>Agricultural and Biological Chemistry</i> , 1988, 52, 2941-2942.	0.3	1
137	Method for measuring the three-dimensional distribution of a fluorescent dye in a cell membrane. <i>Applied Physics Letters</i> , 2007, 90, 021110.	1.5	1
138	Vsl1p cooperates with Fsv1p for vacuolar protein transport and homotypic fusion in <i>Schizosaccharomyces pombe</i> . <i>Microbiology (United Kingdom)</i> , 2015, 161, 89-98.	0.7	1
139	Coordinated regulation by two VPS9 domain-containing guanine nucleotide exchange factors in small GTPase Rab5 signaling pathways in fission yeast. <i>Biochemical and Biophysical Research Communications</i> , 2015, 458, 802-809.	1.0	1
140	Draft Genome Sequence of <i>Bacillus clausii</i> AKU0647, a Strain That Produces Endo- β -N-Acetylglucosaminidase A. <i>Genome Announcements</i> , 2016, 4, .	0.8	1
141	Substrate specificity of Nudix hydrolases from <i>Myxococcus xanthus</i> . <i>Journal of General and Applied Microbiology</i> , 2018, 64, 94-98.	0.4	1
142	Draft Genome Sequence of <i>Sphingobacterium</i> sp. Strain HMA12, Which Encodes Endo- β -N-Acetylglucosaminidases and Can Specifically Hydrolyze Fucose-Containing Oligosaccharides. <i>Genome Announcements</i> , 2018, 6, .	0.8	1
143	Golgi localization of glycosyltransferases requires Gpp74p in <i>Schizosaccharomyces pombe</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 8897-8909.	1.7	1
144	The fission yeast <i>gmn2⁺</i> gene encodes an <i>ERD1</i> homologue of <i>Saccharomyces cerevisiae</i> required for protein glycosylation and retention of luminal endoplasmic reticulum proteins. <i>Journal of General and Applied Microbiology</i> , 2021, 67, 67-76.	0.4	1

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145	Overexpression of cell-wall GPI-anchored proteins restores cell growth of N-glycosylation-defective och1 mutants in Schizosaccharomyces pombe. Applied Microbiology and Biotechnology, 2021, 105, 8771-8781.	1.7	1
146	SIN-Like Pathway Kinases Regulate the End of Mitosis in the Methylotrophic Yeast Ogataea polymorpha. Cells, 2022, 11, 1519.	1.8	1
147	A double filtering method for measuring the translational velocity of fluorescently stained cells. Applied Physics Letters, 2007, 91, 131116.	1.5	0
148	N-glycans are not required for the efficient degradation of the mutant Saccharomyces cerevisiae CPY* in Schizosaccharomyces pombe. Applied Microbiology and Biotechnology, 2012, 93, 1609-1618.	1.7	0
149	Draft Genome Sequence of Bacillus sp. HMA207, a Strain That Exhibits $\hat{1}^2$ - d -Galactosidase Activity To Release Pyruvylated Galactose. Microbiology Resource Announcements, 2018, 7, .	0.3	0
150	Glycan-Mediated Interactions Between Fungal and Higher Animal Cells. , 2021, , 110-118.		0
151	Insights into Metabolism and the Galactose Recognition System from Microarray Analysis in the Fission Yeast Schizosaccharomyces pombe. , 2014, , 109-118.		0
152	Diversity and Biological Roles of Pyruvic Acid-Containing Oligosaccharides. Kagaku To Seibutsu, 2017, 55, 738-742.	0.0	0
153	Yeast Flocculin: Methods for Quantitative Analysis of Flocculation in Yeast Cells. Methods in Molecular Biology, 2020, 2132, 437-444.	0.4	0