

Takuji Oka

List of Publications by Year in descending order

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37
papers

1,010
citations

471509

17
h-index

434195

31
g-index

40
all docs

40
docs citations

40
times ranked

1324
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Analysis of Arabidopsis thaliana RHM2/MUM4, a Multidomain Protein Involved in UDP-D-glucose to UDP-L-rhamnose Conversion. <i>Journal of Biological Chemistry</i> , 2007, 282, 5389-5403.	3.4	147
2	Molecular characterization of protein O-mannosyltransferase and its involvement in cell-wall synthesis in <i>Aspergillus nidulans</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 1973-1982.	1.8	73
3	Molecular characterization of a keratinolytic enzyme from an alkaliphilic <i>Nocardiopsis</i> sp. TOA-1. <i>Enzyme and Microbial Technology</i> , 2004, 34, 482-489.	3.2	71
4	Reconstruction of a novel pathway for synthesis of UDP-glucuronic acid and UDP-xylose from intrinsic UDP-glucose in <i>Saccharomyces cerevisiae</i> . <i>FEBS Journal</i> , 2006, 273, 2645-2657.	4.7	71
5	Identification of Novel Peptidyl Serine β -Galactosyltransferase Gene Family in Plants. <i>Journal of Biological Chemistry</i> , 2014, 289, 20405-20420.	3.4	62
6	Functional UDP-xylose Transport across the Endoplasmic Reticulum/Golgi Membrane in a Chinese Hamster Ovary Cell Mutant Defective in UDP-xylose Synthase. <i>Journal of Biological Chemistry</i> , 2009, 284, 2576-2583.	3.4	61
7	Putative Stress Sensors WscA and WscB Are Involved in Hypo-Osmotic and Acidic pH Stress Tolerance in <i>Aspergillus nidulans</i> . <i>Eukaryotic Cell</i> , 2011, 10, 1504-1515.	3.4	60
8	<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.	2.5	60
9	Engineering of a mammalian O-glycosylation pathway in the yeast <i>Saccharomyces cerevisiae</i> : production of O-fucosylated epidermal growth factor domains. <i>Glycobiology</i> , 2008, 18, 303-314.	2.5	51
10	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
11	Protein O-mannosyltransferase A of <i>Aspergillus awamori</i> is involved in O-mannosylation of glucoamylase I. <i>Microbiology (United Kingdom)</i> , 2005, 151, 3657-3667.	1.8	34
12	GfsA 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.	2.5	32
13	Cloning and Characterization of a Unique Cytotoxic Protein Parasporin-5 Produced by <i>Bacillus thuringiensis</i> A1100 Strain. <i>Toxins</i> , 2014, 6, 1882-1895.	3.4	29
14	Characterization of Endoplasmic Reticulum-Localized UDP-D-Galactose: Hydroxyproline <i>O</i> -Galactosyltransferase Using Synthetic Peptide Substrates in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2009, 152, 332-340.	4.8	28
15	Biosynthesis of galactomannans found in filamentous fungi belonging to <i>Pezizomycotina</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 183-191.	1.3	28
16	Chemical Analysis of the Sugar Moiety of Monohexosylceramide Contained in Koji, Japanese Traditional Rice Fermented with <i>Aspergillus</i> . <i>Fermentation</i> , 2016, 2, 2.	3.0	20
17	Identification of Two Mannosyltransferases Contributing to Biosynthesis of the Fungal-type Galactomannan β -Core-Mannan Structure in <i>Aspergillus fumigatus</i> . <i>Scientific Reports</i> , 2018, 8, 16918.	3.3	20
18	Draft Genome Sequence of the Formaldehyde-Resistant Fungus <i>Byssoschlamys spectabilis</i> No. 5 (Anamorph <i>Paecilomyces variotii</i> No. 5) (NBRC109023). <i>Genome Announcements</i> , 2014, 2, .	0.8	19

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19	Identification and Characterization of a Novel Galactofuranose-Specific Î ² -D-Galactofuranosidase from <i>Streptomyces</i> Species. <i>PLoS ONE</i> , 2015, 10, e0137230.	2.5	18
20	Biosynthesis of Î ² -(1â 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, .	2.9	13
21	Thr/Ser-rich Domain of <i>Aspergillus</i> Glucoamylase Is Essential for Secretion. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 961-963.	1.3	11
22	Characterization of a PA14 domain-containing galactofuranose-specific Î ² -galactofuranosidase from <i>Streptomyces</i> sp.. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 1314-1319.	1.3	10
23	Chemo-enzymatic synthesis of p-nitrophenyl Î ² -D-galactofuranosyl disaccharides from <i>Aspergillus</i> sp. fungal-type galactomannan. <i>Carbohydrate Research</i> , 2019, 473, 99-103.	2.3	6
24	Molecular breeding of <i>Aspergillus kawachii</i> overproducing cellulase and its application to brewing barley shochu. <i>Journal of Bioscience and Bioengineering</i> , 2002, 93, 382-387.	2.2	5
25	Purification and properties of S-hydroxymethylglutathione dehydrogenase of <i>Paecilomyces variotii</i> no. 5, a formaldehyde-degrading fungus. <i>AMB Express</i> , 2012, 2, 32.	3.0	5
26	Isolation, sequencing, and heterologous expression of the <i>Paecilomyces variotii</i> gene encoding S-hydroxymethylglutathione dehydrogenase (<i>fldA</i>). <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 1755-1763.	3.6	5
27	Biosynthesis of Galactofuranose-containing Glycans in Filamentous Fungi. <i>Trends in Glycoscience and Glycotechnology</i> , 2016, 28, E39-E45.	0.1	5
28	Identification and characterization of Î ² -d-galactofuranosidases from <i>Aspergillus nidulans</i> and <i>Aspergillus fumigatus</i> . <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 1-7.	2.2	5
29	Effects of Amino Acid Alterations on the Transglycosylation Reaction of Endoglucanase I from <i>Trichoderma viride</i> HK-75. <i>Bioscience, Biotechnology and Biochemistry</i> , 2002, 66, 110-116.	1.3	4
30	Biosynthesis of Galactofuranose-containing Glycans in Filamentous Fungi. <i>Trends in Glycoscience and Glycotechnology</i> , 2016, 28, J39-J45.	0.1	4
31	Structural basis for the core-mannan biosynthesis of cell wall fungal-type galactomannan in <i>Aspergillus fumigatus</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 15407-15417.	3.4	3
32	Cloning, Purification, and Characterization of Tripeptidyl Peptidase from <i>Streptomyces herbaricolor</i> TY-21. <i>Applied Biochemistry and Biotechnology</i> , 2018, 184, 239-252.	2.9	2
33	Purification of the GfsA-3x FLAG Protein Expressed in <i>Aspergillus nidulans</i> . <i>Bio-protocol</i> , 2014, 4, .	0.4	2
34	Response to Leopoldo Palma. Comments on Ekino et al. Cloning and Characterization of a Unique Cytotoxic Protein Parasporin-5 Produced by <i>Bacillus thuringiensis</i> A1100 Strain. <i>Toxins</i> 2014, 6, 1882â€“1895. <i>Toxins</i> , 2015, 7, 5096-5097.	3.4	1
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36	Glycan-Mediated Interactions Between Fungal and Higher Animal Cells. , 2021, , 110-118.		0

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37	Determination of D-galactofuranose Content of Galactomannoproteins in <i>Aspergillus nidulans</i> . Bio-protocol, 2014, 4, .	0.4	0