

Keietsu Abe

List of Publications by Year in descending order

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37
papers

2,526
citations

430874

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	A Glycosylphosphatidylinositol-Anchored α -Amylase Encoded by amyD Contributes to a Decrease in the Molecular Mass of Cell Wall α -1,3-Glucan in <i>Aspergillus nidulans</i> . <i>Frontiers in Fungal Biology</i> , 2022, 2, .	2.0	3
2	Quantitative Monitoring of Mycelial Growth of <i>Aspergillus fumigatus</i> in Liquid Culture by Optical Density. <i>Microbiology Spectrum</i> , 2022, 10, e0006321.	3.0	8
3	Adsorption Kinetics and Self-Assembled Structures of <i>Aspergillus oryzae</i> Hydrophobin RolA on Hydrophobic and Charged Solid Surfaces. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0208721.	3.1	3
4	Cell Wall Integrity and Its Industrial Applications in Filamentous Fungi. <i>Journal of Fungi (Basel)</i> , Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	3.5	8
5	High cellulolytic potential of the <i>Ktedonobacteria</i> lineage revealed by genome-wide analysis of CAZymes. <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 622-630.	2.2	14
6	Downregulation of the ypdA Gene Encoding an Intermediate of His-Asp Phosphorelay Signaling in <i>Aspergillus nidulans</i> Induces the Same Cellular Effects as the Phenylpyrrole Fungicide Fludioxonil. <i>Frontiers in Fungal Biology</i> , 2021, 2, .	2.0	2
7	Improved recombinant protein production in <i>Aspergillus oryzae</i> lacking both α -1,3-glucan and galactosaminogalactan in batch culture with a lab-scale bioreactor. <i>Journal of Bioscience and Bioengineering</i> , 2021, , .	2.2	8
8	Analysis of the self-assembly process of <i>Aspergillus oryzae</i> hydrophobin RolA by Langmuir-Blodgett method. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 678-685.	1.3	3
9	The mechanisms of hyphal pellet formation mediated by polysaccharides, α -1,3-glucan and galactosaminogalactan, in <i>Aspergillus</i> species. <i>Fungal Biology and Biotechnology</i> , 2020, 7, 10.	5.1	26
10	Both Galactosaminogalactan and α -1,3-Glucan Contribute to Aggregation of <i>Aspergillus oryzae</i> Hyphae in Liquid Culture. <i>Frontiers in Microbiology</i> , 2019, 10, 2090.	3.5	27
11	Novel Antifungal Compound Z-705 Specifically Inhibits Protein Kinase C of Filamentous Fungi. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	11
12	<i>Corynebacterium glutamicum</i> CgynfM encodes a dicarboxylate transporter applicable to succinate production. <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 465-471.	2.2	10
13	Identification of EayjJPB encoding a dicarboxylate transporter important for succinate production under aerobic and anaerobic conditions in <i>Enterobacter aerogenes</i> . <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 505-512.	2.2	5
14	Molecular Mass and Localization of α -1,3-Glucan in Cell Wall Control the Degree of Hyphal Aggregation in Liquid Culture of <i>Aspergillus nidulans</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 2623.	3.5	24
15	Cell wall structure of secreted laccase-silenced strain in <i>Lentinula edodes</i> . <i>Fungal Biology</i> , 2018, 122, 1192-1200.	2.5	22
16	Asp30 of <i>Aspergillus oryzae</i> cutinase CutL1 is involved in the ionic interaction with fungal hydrophobin RolA. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 1363-1368.	1.3	6
17	Cell wall α -1,3-glucan prevents α -amylase adsorption onto fungal cell in submerged culture of <i>Aspergillus oryzae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 47-53.	2.2	30
18	Analysis of the ionic interaction between the hydrophobin RodA and two cutinases of <i>Aspergillus nidulans</i> obtained via an <i>Aspergillus oryzae</i> expression system. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2343-2356.	3.6	9

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19	<i>Escherichia coli</i> yjjPB genes encode a succinate transporter important for succinate production. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 1837-1844.	1.3	11
20	Cell wall structure and biogenesis in <i>Aspergillus</i> species. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1700-1711.	1.3	84
21	Increased enzyme production under liquid culture conditions in the industrial fungus <i>Aspergillus oryzae</i> by disruption of the genes encoding cell wall β -1,3-glucan synthase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1853-1863.	1.3	42
22	R76 in transmembrane domain 3 of the aspartate:alanine transporter AspT is involved in substrate transport. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 744-747.	1.3	3
23	Mitogen-activated protein kinases MpkA and MpkB independently affect micafungin sensitivity in <i>Aspergillus nidulans</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 836-844.	1.3	20
24	Ionic interaction of positive amino acid residues of fungal hydrophobin <i>RolA</i> with acidic amino acid residues of cutinase <i>CutL1</i> . <i>Molecular Microbiology</i> , 2015, 96, 14-27.	2.5	16
25	Development of an efficient soymilk cream production method by papain digestion, heat treatment, and low-speed centrifugation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 1890-1892.	1.3	8
26	Involvement of hydrophobic amino acid residues in C7-C8 loop of <i>Aspergillus oryzae</i> hydrophobin <i>RolA</i> in hydrophobic interaction between <i>RolA</i> and a polyester. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 1693-1699.	1.3	6
27	A Cell-Free Translocation System Using Extracts of Cultured Insect Cells to Yield Functional Membrane Proteins. <i>PLoS ONE</i> , 2014, 9, e112874.	2.5	22
28	Functional Analysis of the β -1,3-Glucan Synthase Genes <i>agsA</i> and <i>agsB</i> in <i>Aspergillus nidulans</i> : <i>AgsB</i> Is the Major β -1,3-Glucan Synthase in This Fungus. <i>PLoS ONE</i> , 2013, 8, e54893.	2.5	95
29	<i>NikA/TcsC</i> Histidine Kinase Is Involved in Conidiation, Hyphal Morphology, and Responses to Osmotic Stress and Antifungal Chemicals in <i>Aspergillus fumigatus</i> . <i>PLoS ONE</i> , 2013, 8, e80881.	2.5	67
30	Substrate Specificity of the Aspartate:Alanine Antiporter (<i>AspT</i>) of <i>Tetragenococcus halophilus</i> in Reconstituted Liposomes. <i>Journal of Biological Chemistry</i> , 2011, 286, 29044-29052.	3.4	8
31	Dynamics of cell wall components of <i>Magnaporthe grisea</i> during infectious structure development. <i>Molecular Microbiology</i> , 2009, 73, 553-570.	2.5	135
32	A defect of <i>LigD</i> (human <i>Lig4</i> homolog) for nonhomologous end joining significantly improves efficiency of gene-targeting in <i>Aspergillus oryzae</i> . <i>Fungal Genetics and Biology</i> , 2008, 45, 878-889.	2.1	132
33	<i>MpkA</i> -Dependent and -Independent Cell Wall Integrity Signaling in <i>Aspergillus nidulans</i> . <i>Eukaryotic Cell</i> , 2007, 6, 1497-1510.	3.4	157
34	Impact of <i>Aspergillus oryzae</i> genomics on industrial production of metabolites. <i>Mycopathologia</i> , 2006, 162, 143-153.	3.1	107
35	The fungal hydrophobin <i>RolA</i> recruits polyesterase and laterally moves on hydrophobic surfaces. <i>Molecular Microbiology</i> , 2005, 57, 1780-1796.	2.5	71
36	Genome sequencing and analysis of <i>Aspergillus oryzae</i> . <i>Nature</i> , 2005, 438, 1157-1161.	27.8	1,128

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37	Purification and characterization of a biodegradable plastic-degrading enzyme from <i>Aspergillus oryzae</i> . <i>Applied Microbiology and Biotechnology</i> , 2005, 67, 778-788.	3.6	195