Takahiro Shintani

List of Publications by Year
in descending order

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54	13,977	236925 25	168389 53
papers	citations	h-index	g-index

55	55	55	24522
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	Autophagy in Health and Disease: A Double-Edged Sword. Science, 2004, 306, 990-995.	12.6	2,367
4	Tor-Mediated Induction of Autophagy via an Apg1 Protein Kinase Complex. Journal of Cell Biology, 2000, 150, 1507-1513.	5.2	1,027
5	Mechanism of Cargo Selection in the Cytoplasm to Vacuole Targeting Pathway. Developmental Cell, 2002, 3, 825-837.	7.0	326
6	Cargo Proteins Facilitate the Formation of Transport Vesicles in the Cytoplasm to Vacuole Targeting Pathway. Journal of Biological Chemistry, 2004, 279, 29889-29894.	3.4	311
7	Apg10p, a novel protein-conjugating enzyme essential for autophagy in yeast. EMBO Journal, 1999, 18, 5234-5241.	7.8	266
8	Atg9 Cycles Between Mitochondria and the Pre-Autophagosomal Structure in Yeasts. Autophagy, 2005, 1, 101-109.	9.1	234
9	The conserved oligomeric Golgi complex is involved in double-membrane vesicle formation during autophagy. Journal of Cell Biology, 2010, 188, 101-114.	5.2	179
10	The Actin Cytoskeleton Is Required for Selective Types of Autophagy, but Not Nonspecific Autophagy, in the Yeast Saccharomyces cerevisiae. Molecular Biology of the Cell, 2005, 16, 5843-5856.	2.1	139
11	Early Stages of the Secretory Pathway, but Not Endosomes, Are Required for Cvt Vesicle and Autophagosome Assembly in Saccharomyces cerevisiae. Molecular Biology of the Cell, 2004, 15, 2189-2204.	2.1	130
12	Apg2p Functions in Autophagosome Formation on the Perivacuolar Structure. Journal of Biological Chemistry, 2001, 276, 30452-30460.	3.4	115
13	A Novel Zn2-Cys6 Transcription Factor AtrR Plays a Key Role in an Azole Resistance Mechanism of Aspergillus fumigatus by Co-regulating cyp51A and cdr1B Expressions. PLoS Pathogens, 2017, 13, e1006096.	4.7	104
14	Vps51 Is Part of the Yeast Vps Fifty-three Tethering Complex Essential for Retrograde Traffic from the Early Endosome and Cvt Vesicle Completion. Journal of Biological Chemistry, 2003, 278, 5009-5020.	3.4	91
15	Aspartyl Aminopeptidase Is Imported from the Cytoplasm to the Vacuole by Selective Autophagy in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2011, 286, 13704-13713.	3.4	74
16	Codon Optimization Increases Steady-State mRNA Levels in Aspergillus oryzae Heterologous Gene Expression. Applied and Environmental Microbiology, 2008, 74, 6538-6546.	3.1	61
17	Improved Î±-amylase production by Aspergillus oryzae after a double deletion of genes involved in carbon catabolite repression. Applied Microbiology and Biotechnology, 2014, 98, 335-343.	3.6	55
18	Self-excising Cre/mutant lox marker recycling system for multiple gene integrations and consecutive gene deletions in Aspergillus oryzae. Journal of Bioscience and Bioengineering, 2017, 123, 403-411.	2.2	49

#	Article	IF	Citations
19	Characterization and expression analysis of a maltose-utilizing (MAL) cluster in Aspergillus oryzae. Fungal Genetics and Biology, 2010, 47, 1-9.	2.1	40
20	Distinct mechanism of activation of two transcription factors, AmyR and MalR, involved in amylolytic enzyme production in Aspergillus oryzae. Applied Microbiology and Biotechnology, 2015, 99, 1805-1815.	3.6	38
21	Primary structure of aspergillopepsin I deduced from nucleotide sequence of the gene and aspartic acid-76 is an essential active site of the enzyme for trypsinogen activation. BBA - Proteins and Proteomics, 1994, 1204, 257-264.	2.1	36
22	Induction of autophagy by phosphate starvation in an Atg11-dependent manner in Saccharomyces cerevisiae. Biochemical and Biophysical Research Communications, 2017, 483, 522-527.	2.1	34
23	Engineering of Porcine Pepsin. Journal of Biological Chemistry, 1997, 272, 18855-18861.	3.4	32
24	Cell wall Î±-1,3-glucan prevents Î±-amylase adsorption onto fungal cell in submerged culture of Aspergillus oryzae. Journal of Bioscience and Bioengineering, 2017, 124, 47-53.	2.2	30
25	Identification of potential cell wall component that allows Taka-amylase A adsorption in submerged cultures of Aspergillus oryzae. Applied Microbiology and Biotechnology, 2011, 92, 961-969.	3.6	27
26	Purification and enzymatic characterization of secretory glycoside hydrolase family 3 (GH3) aryl Î²-glucosidases screened from Aspergillus oryzae genome. Journal of Bioscience and Bioengineering, 2015, 120, 614-623.	2.2	25
27	Increased production of biomass-degrading enzymes by double deletion of creA and creB genes involved in carbon catabolite repression in Aspergillus oryzae. Journal of Bioscience and Bioengineering, 2018, 125, 141-147.	2.2	25
28	Transcripts of a heterologous gene encoding mite allergen Der f 7 are stabilized by codon optimization in Aspergillus oryzae. Applied Microbiology and Biotechnology, 2012, 96, 1275-1282.	3.6	24
29	The C-terminal region of the yeast monocarboxylate transporter Jen1 acts as a glucose signalâ€“responding degron recognized by the Î±-arrestin Rod1. Journal of Biological Chemistry, 2018, 293, 10926-10936.	3.4	24
30	Atg11 Directs Autophagosome Cargoes to the PAS Along Actin Cables. Autophagy, 2006, 2, 119-121.	9.1	23
31	Functional analysis of FarA transcription factor in the regulation of the genes encoding lipolytic enzymes and hydrophobic surface binding protein for the degradation of biodegradable plastics in Aspergillus oryzae. Journal of Bioscience and Bioengineering, 2012, 113, 549-555.	2.2	23
32	The C2H2-type transcription factor, FlbC, is involved in the transcriptional regulation of Aspergillus oryzae glucoamylase and protease genes specifically expressed in solid-state culture. Applied Microbiology and Biotechnology, 2016, 100, 5859-5868.	3.6	23
33	Characterization of the S1 Subsite Specificity of Aspergillopepsin I by Site-Directed Mutagenesis. Journal of Biochemistry, 1996, 120, 974-981.	1.7	21
34	Unfolded protein response is required for Aspergillus oryzae growth under conditions inducing secretory hydrolytic enzyme production. Fungal Genetics and Biology, 2015, 85, 1-6.	2.1	21
35	Endocytosis of a maltose permease is induced when amylolytic enzyme production is repressed in Aspergillus oryzae. Fungal Genetics and Biology, 2015, 82, 136-144.	2.1	21
36	Nuclear exportâ€dependent degradation of the carbon catabolite repressor CreA is regulated by a region located near the Câ€terminus in Aspergillus oryzae. Molecular Microbiology, 2018, 110, 176-190.	2.5	18

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37	Chapter Four Fluorescence Microscopyâ€Based Assays for Monitoring Yeast Atg Protein Trafficking. Methods in Enzymology, 2008, 451, 43-56.	1.0	14
38	Evaluation of baker's yeast strains exhibiting significant growth on Japanese beet molasses and compound analysis of the molasses types. Journal of Bioscience and Bioengineering, 2014, 117, 715-719.	2.2	14
39	Improved Î±-Amylase Production by Dephosphorylation Mutation of CreD, an Arrestin-Like Protein Required for Glucose-Induced Endocytosis of Maltose Permease and Carbon Catabolite Derepression in Aspergillusoryzae. Applied and Environmental Microbiology, 2017, 83, .	3.1	14
40	Assays for Autophagy I: The Cvt Pathway and Nonselective Autophagy. Methods in Molecular Biology, 2014, 1163, 153-164.	0.9	14
41	In silico Analysis of 3'-End-Processing Signals in Aspergillus oryzae Using Expressed Sequence Tags and Genomic Sequencing Data. DNA Research, 2011, 18, 189-200.	3.4	13
42	Cellular responses to the expression of unstable secretory proteins in the filamentous fungus Aspergillus oryzae. Applied Microbiology and Biotechnology, 2017, 101, 2437-2446.	3.6	13
43	The PDR-type ABC transporters AtrA and AtrG are involved in azole drug resistance in Aspergillus oryzae. Bioscience, Biotechnology and Biochemistry, 2018, 82, 1840-1848.	1.3	10
44	Improved recombinant protein production in Aspergillus oryzae lacking both Î±-1,3-glucan and galactosaminogalactan in batch culture with a lab-scale bioreactor. Journal of Bioscience and Bioengineering, 2021, , .	2.2	8
45	Quantitative regulation of histone variant H2A.Z during cell cycle by ubiquitin proteasome system and SUMO-targeted ubiquitin ligases. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1557-1560.	1.3	7
46	Alternative transcription start sites of the enolase-encoding gene enoA are stringently used in glycolytic/gluconeogenic conditions in Aspergillus oryzae. Current Genetics, 2020, 66, 729-747.	1.7	7
47	Crucial role of the intracellular Î±-glucosidase MalT in the activation of the transcription factor AmyR essential for amylolytic gene expression in Aspergillus oryzae. Bioscience, Biotechnology and Biochemistry, 2021, 85, 2076-2083.	1.3	6
48	Heterologous Expression ofAspergillus oryzaeXylose Reductase and Xylitol Dehydrogenase Genes Facilitated Xylose Utilization in the YeastSaccharomyces cerevisiae. Bioscience, Biotechnology and Biochemistry, 2011, 75, 168-170.	1.3	5
49	Subcellular localization of aphidicolin biosynthetic enzymes heterologously expressed in Aspergillus oryzae. Bioscience, Biotechnology and Biochemistry, 2018, 82, 139-147.	1.3	5
50	Enzymatic degradation of xyloglucans by Aspergillus species: a comparative view of this genus. Applied Microbiology and Biotechnology, 2021, 105, 2701-2711.	3.6	5
51	Chaperone complex formation of the transcription factor MalR involved in maltose utilization and amylolytic enzyme production in Aspergillus oryzae. Bioscience, Biotechnology and Biochemistry, 2018, 82, 827-835.	1.3	3
52	Expression profiles of amylolytic genes in AmyR and CreA transcription factor deletion mutants of the black koji mold Aspergillus luchuensis. Journal of Bioscience and Bioengineering, 2021, 132, 321-326.	2.2	2
53	Fusion of an intact secretory protein permits a misfolded protein to exit from the endoplasmic reticulum in yeast. Bioscience, Biotechnology and Biochemistry, 2014, 78, 49-59.	1.3	1
54	Cargo Proteins Facilitate the Formation of Transport Vesicles, but not Autophagosomes. , 2016, , 143-154.		0