

# Takahiro Shintani

## List of Publications by Year in descending order

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54  
papers

13,977  
citations

236612

25  
h-index

168136

53  
g-index

55  
all docs

55  
docs citations

55  
times ranked

24522  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	Autophagy in Health and Disease: A Double-Edged Sword. <i>Science</i> , 2004, 306, 990-995.	6.0	2,367
4	Tor-Mediated Induction of Autophagy via an Apg1 Protein Kinase Complex. <i>Journal of Cell Biology</i> , 2000, 150, 1507-1513.	2.3	1,027
5	Mechanism of Cargo Selection in the Cytoplasm to Vacuole Targeting Pathway. <i>Developmental Cell</i> , 2002, 3, 825-837.	3.1	326
6	Cargo Proteins Facilitate the Formation of Transport Vesicles in the Cytoplasm to Vacuole Targeting Pathway. <i>Journal of Biological Chemistry</i> , 2004, 279, 29889-29894.	1.6	311
7	Apg10p, a novel protein-conjugating enzyme essential for autophagy in yeast. <i>EMBO Journal</i> , 1999, 18, 5234-5241.	3.5	266
8	Atg9 Cycles Between Mitochondria and the Pre-Autophagosomal Structure in Yeasts. <i>Autophagy</i> , 2005, 1, 101-109.	4.3	234
9	The conserved oligomeric Golgi complex is involved in double-membrane vesicle formation during autophagy. <i>Journal of Cell Biology</i> , 2010, 188, 101-114.	2.3	179
10	The Actin Cytoskeleton Is Required for Selective Types of Autophagy, but Not Nonspecific Autophagy, in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2005, 16, 5843-5856.	0.9	139
11	Early Stages of the Secretory Pathway, but Not Endosomes, Are Required for Cvt Vesicle and Autophagosome Assembly in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2004, 15, 2189-2204.	0.9	130
12	Apg2p Functions in Autophagosome Formation on the Perivacuolar Structure. <i>Journal of Biological Chemistry</i> , 2001, 276, 30452-30460.	1.6	115
13	A Novel Zn2-Cys6 Transcription Factor AtrR Plays a Key Role in an Azole Resistance Mechanism of <i>Aspergillus fumigatus</i> by Co-regulating <i>cyp51A</i> and <i>cdr1B</i> Expressions. <i>PLoS Pathogens</i> , 2017, 13, e1006096.	2.1	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. <i>Journal of Biological Chemistry</i> , 2003, 278, 5009-5020.	1.6	91
15	Aspartyl Aminopeptidase Is Imported from the Cytoplasm to the Vacuole by Selective Autophagy in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 13704-13713.	1.6	74
16	Codon Optimization Increases Steady-State mRNA Levels in <i>Aspergillus oryzae</i> Heterologous Gene Expression. <i>Applied and Environmental Microbiology</i> , 2008, 74, 6538-6546.	1.4	61
17	Improved $\alpha$ -amylase production by <i>Aspergillus oryzae</i> after a double deletion of genes involved in carbon catabolite repression. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 335-343.	1.7	55
18	Self-excising Cre/mutant lox marker recycling system for multiple gene integrations and consecutive gene deletions in <i>Aspergillus oryzae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 403-411.	1.1	49

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19	Characterization and expression analysis of a maltose-utilizing (MAL) cluster in <i>Aspergillus oryzae</i> . <i>Fungal Genetics and Biology</i> , 2010, 47, 1-9.	0.9	40
20	Distinct mechanism of activation of two transcription factors, AmyR and MalR, involved in amylolytic enzyme production in <i>Aspergillus oryzae</i> . <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 1805-1815.	1.7	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. <i>BBA - Proteins and Proteomics</i> , 1994, 1204, 257-264.	2.1	36
22	Induction of autophagy by phosphate starvation in an Atg11-dependent manner in <i>Saccharomyces cerevisiae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 522-527.	1.0	34
23	Engineering of Porcine Pepsin. <i>Journal of Biological Chemistry</i> , 1997, 272, 18855-18861.	1.6	32
24	Cell wall $\beta$ -1,3-glucan prevents $\beta$ -amylase adsorption onto fungal cell in submerged culture of <i>Aspergillus oryzae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 47-53.	1.1	30
25	Identification of potential cell wall component that allows Taka-amylase A adsorption in submerged cultures of <i>Aspergillus oryzae</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 961-969.	1.7	27
26	Purification and enzymatic characterization of secretory glycoside hydrolase family 3 (GH3) aryl $\beta$ -glucosidases screened from <i>Aspergillus oryzae</i> genome. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 614-623.	1.1	25
27	Increased production of biomass-degrading enzymes by double deletion of <i>creA</i> and <i>creB</i> genes involved in carbon catabolite repression in <i>Aspergillus oryzae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 141-147.	1.1	25
28	Transcripts of a heterologous gene encoding mite allergen Der f 7 are stabilized by codon optimization in <i>Aspergillus oryzae</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 96, 1275-1282.	1.7	24
29	The C-terminal region of the yeast monocarboxylate transporter <i>Jen1</i> acts as a glucose signal-responsive degron recognized by the $\beta$ -arrestin <i>Rod1</i> . <i>Journal of Biological Chemistry</i> , 2018, 293, 10926-10936.	1.6	24
30	Atg11 Directs Autophagosome Cargoes to the PAS Along Actin Cables. <i>Autophagy</i> , 2006, 2, 119-121.	4.3	23
31	Functional analysis of <i>FarA</i> transcription factor in the regulation of the genes encoding lipolytic enzymes and hydrophobic surface binding protein for the degradation of biodegradable plastics in <i>Aspergillus oryzae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2012, 113, 549-555.	1.1	23
32	The C2H2-type transcription factor, <i>FbC</i> , is involved in the transcriptional regulation of <i>Aspergillus oryzae</i> glucoamylase and protease genes specifically expressed in solid-state culture. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 5859-5868.	1.7	23
33	Characterization of the S1 Subsite Specificity of Aspergillopepsin I by Site-Directed Mutagenesis. <i>Journal of Biochemistry</i> , 1996, 120, 974-981.	0.9	21
34	Unfolded protein response is required for <i>Aspergillus oryzae</i> growth under conditions inducing secretory hydrolytic enzyme production. <i>Fungal Genetics and Biology</i> , 2015, 85, 1-6.	0.9	21
35	Endocytosis of a maltose permease is induced when amylolytic enzyme production is repressed in <i>Aspergillus oryzae</i> . <i>Fungal Genetics and Biology</i> , 2015, 82, 136-144.	0.9	21
36	Nuclear export-dependent degradation of the carbon catabolite repressor <i>CreA</i> is regulated by a region located near the C-terminus in <i>Aspergillus oryzae</i> . <i>Molecular Microbiology</i> , 2018, 110, 176-190.	1.2	18

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37	Chapter Four Fluorescence Microscopy-Based Assays for Monitoring Yeast Atg Protein Trafficking. <i>Methods in Enzymology</i> , 2008, 451, 43-56.	0.4	14
38	Evaluation of baker's yeast strains exhibiting significant growth on Japanese beet molasses and compound analysis of the molasses types. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 715-719.	1.1	14
39	Improved $\alpha$ -Amylase Production by Dephosphorylation Mutation of CreD, an Arrestin-Like Protein Required for Glucose-Induced Endocytosis of Maltose Permease and Carbon Catabolite Derepression in <i>Aspergillus oryzae</i> . <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	14
40	Assays for Autophagy I: The Cvt Pathway and Nonselective Autophagy. <i>Methods in Molecular Biology</i> , 2014, 1163, 153-164.	0.4	14
41	In silico Analysis of 3'-End-Processing Signals in <i>Aspergillus oryzae</i> Using Expressed Sequence Tags and Genomic Sequencing Data. <i>DNA Research</i> , 2011, 18, 189-200.	1.5	13
42	Cellular responses to the expression of unstable secretory proteins in the filamentous fungus <i>Aspergillus oryzae</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2437-2446.	1.7	13
43	The PDR-type ABC transporters AtrA and AtrG are involved in azole drug resistance in <i>Aspergillus oryzae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1840-1848.	0.6	10
44	Improved recombinant protein production in <i>Aspergillus oryzae</i> lacking both $\alpha$ -1,3-glucan and galactosaminogalactan in batch culture with a lab-scale bioreactor. <i>Journal of Bioscience and Bioengineering</i> , 2021, , .	1.1	8
45	Quantitative regulation of histone variant H2A.Z during cell cycle by ubiquitin proteasome system and SUMO-targeted ubiquitin ligases. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 1557-1560.	0.6	7
46	Alternative transcription start sites of the enolase-encoding gene <i>enoA</i> are stringently used in glycolytic/gluconeogenic conditions in <i>Aspergillus oryzae</i> . <i>Current Genetics</i> , 2020, 66, 729-747.	0.8	7
47	Crucial role of the intracellular $\alpha$ -glucosidase MalT in the activation of the transcription factor AmyR essential for amyolytic gene expression in <i>Aspergillus oryzae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 2076-2083.	0.6	6
48	Heterologous Expression of <i>Aspergillus oryzae</i> Xylose Reductase and Xylitol Dehydrogenase Genes Facilitated Xylose Utilization in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 168-170.	0.6	5
49	Subcellular localization of aphidicolin biosynthetic enzymes heterologously expressed in <i>Aspergillus oryzae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 139-147.	0.6	5
50	Enzymatic degradation of xyloglucans by <i>Aspergillus</i> species: a comparative view of this genus. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 2701-2711.	1.7	5
51	Chaperone complex formation of the transcription factor MalR involved in maltose utilization and amyolytic enzyme production in <i>Aspergillus oryzae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 827-835.	0.6	3
52	Expression profiles of amyolytic genes in AmyR and CreA transcription factor deletion mutants of the black koji mold <i>Aspergillus luchuensis</i> . <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 321-326.	1.1	2
53	Fusion of an intact secretory protein permits a misfolded protein to exit from the endoplasmic reticulum in yeast. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 49-59.	0.6	1
54	Cargo Proteins Facilitate the Formation of Transport Vesicles, but not Autophagosomes. , 2016, , 143-154.		0