

Hiroshi Takagi

List of Publications by Year in descending order

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227
papers

6,789
citations

57758

44
h-index

91884

69
g-index

232
all docs

232
docs citations

232
times ranked

5493
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Level Production of Isoleucine and Fusel Alcohol by Expression of the Feedback Inhibition-Insensitive Threonine Deaminase in <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0213021.	3.1	4
2	Development of a microtiter plate-based analysis method of nitric oxide dioxygenase activity. <i>Journal of General and Applied Microbiology</i> , 2022, .	0.7	0
3	Identification and Functional Analysis of GTP Cyclohydrolase II in <i>Candida glabrata</i> in Response to Nitrosative Stress. <i>Frontiers in Microbiology</i> , 2022, 13, 825121.	3.5	1
4	Molecular mechanism of ethanol fermentation inhibition via protein tyrosine nitration of pyruvate decarboxylase by reactive nitrogen species in yeast. <i>Scientific Reports</i> , 2022, 12, 4664.	3.3	5
5	Functional Analysis of Feedback Inhibition-Insensitive Variants of <i>N</i> -Acetyl Glutamate Kinase Found in Sake Yeast Mutants with Ornithine Overproduction. <i>Microbiology Spectrum</i> , 2022, , e0082222.	3.0	0
6	Acetaldehyde reacts with a fluorescent nitric oxide probe harboring an <i>o</i> -phenylenediamine structure that interferes with fluorometry. <i>Free Radical Biology and Medicine</i> , 2022, 187, 29-37.	2.9	1
7	The Cdc25/Ras/cAMP-dependent protein kinase A signaling pathway regulates proline utilization in wine yeast <i>Saccharomyces cerevisiae</i> under a wine fermentation model. <i>Bioscience, Biotechnology and Biochemistry</i> , 2022, 86, 1318-1326.	1.3	6
8	Improvement of Fusel Alcohol Production by Engineering of the Yeast Branched-Chain Amino Acid Aminotransaminase. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	3.1	1
9	Downregulation of the broad-specificity amino acid permease Agp1 mediated by the ubiquitin ligase Rsp5 and the arrestin-like protein Bul1 in yeast. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 1266-1274.	1.3	5
10	Molecular mechanisms and highly functional development for stress tolerance of the yeast <i>Saccharomyces cerevisiae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 1017-1037.	1.3	23
11	An NADPH-independent mechanism enhances oxidative and nitrosative stress tolerance in yeast cells lacking glucose-6-phosphate dehydrogenase activity. <i>Yeast</i> , 2021, 38, 414-423.	1.7	4
12	Aeration mitigates endoplasmic reticulum stress in <i>Saccharomyces cerevisiae</i> even without mitochondrial respiration. <i>Microbial Cell</i> , 2021, 8, 77-86.	3.2	2
13	NADPH is important for isobutanol tolerance in a minimal medium of <i>Saccharomyces cerevisiae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 2084-2088.	1.3	2
14	High-Level Production of Lysine in the Yeast <i>Saccharomyces cerevisiae</i> by Rational Design of Homocitrate Synthase. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0060021.	3.1	8
15	Nomenclatural issues concerning cultured yeasts and other fungi: why it is important to avoid unneeded name changes. <i>IMA Fungus</i> , 2021, 12, 18.	3.8	13
16	Cysteine residues in the fourth zinc finger are important for activation of the nitric oxide-inducible transcription factor Fzf1 in the yeast <i>Saccharomyces cerevisiae</i> . <i>Genes To Cells</i> , 2021, 26, 823-829.	1.2	2
17	Longevity Regulation by Proline Oxidation in Yeast. <i>Microorganisms</i> , 2021, 9, 1650.	3.6	14
18	Enhancement of lysine biosynthesis confers high-temperature stress tolerance to <i>Escherichia coli</i> cells. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 6899-6908.	3.6	9

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19	A novel yeast-based screening system for potential compounds that can alleviate human α -synuclein toxicity. <i>Journal of Applied Microbiology</i> , 2021, , .	3.1	3
20	Role of Gln79 in Feedback Inhibition of the Yeast β -Glutamyl Kinase by Proline. <i>Microorganisms</i> , 2021, 9, 1902.	3.6	1
21	The analytical method to identify the nitrogen source for nitric oxide synthesis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 211-214.	1.3	4
22	An overview of branched-chain amino acid aminotransferases: functional differences between mitochondrial and cytosolic isozymes in yeast and human. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 8059-8072.	3.6	10
23	Isolation and analysis of a sake yeast mutant with phenylalanine accumulation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, , .	3.0	2
24	Chemical screening identifies an extract from marine <i>Pseudomonas</i> sp.-PTR-08 as an anti-aging agent that promotes fission yeast longevity by modulating the Pap1 ^{ctt1+} pathway and the cell cycle. <i>Molecular Biology Reports</i> , 2020, 47, 33-43.	2.3	10
25	Effect of the deubiquitination enzyme gene UBP6 on the stress-responsive transcription factor Msn2-mediated control of the amino acid permease Gnp1 in yeast. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 423-427.	2.2	5
26	Inhibition of Calcineurin and Glycogen Synthase Kinase- β by Ricinoleic Acid Derived from Castor Oil. <i>Lipids</i> , 2020, 55, 89-99.	1.7	2
27	High-level production of ornithine by expression of the feedback inhibition-insensitive N-acetyl glutamate kinase in the sake yeast <i>Saccharomyces cerevisiae</i> . <i>Metabolic Engineering</i> , 2020, 62, 1-9.	7.0	6
28	The yeast γ -arrestin Art3 is a key regulator for arginine-induced endocytosis of the high-affinity proline transporter Put4. <i>Biochemical and Biophysical Research Communications</i> , 2020, 531, 416-421.	2.1	16
29	Characterization of collagenase found in the nonpathogenic bacterium <i>Lysinibacillus sphaericus</i> VN3. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 2293-2302.	1.3	1
30	Effects of a novel variant of the yeast β -glutamyl kinase Pro1 on its enzymatic activity and sake brewing. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 715-723.	3.0	6
31	Effect of the Ala234Asp replacement in mitochondrial branched-chain amino acid aminotransferase on the production of BCAAs and fusel alcohols in yeast. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 7915-7925.	3.6	7
32	Crystal structure of a YeeE/YedE family protein engaged in thiosulfate uptake. <i>Science Advances</i> , 2020, 6, eaba7637.	10.3	25
33	The unfolded protein response in <i>Pichia pastoris</i> without external stressing stimuli. <i>FEMS Yeast Research</i> , 2020, 20, .	2.3	9
34	Proline Homeostasis in <i>Saccharomyces cerevisiae</i> : How Does the Stress-Responsive Transcription Factor Msn2 Play a Role?. <i>Frontiers in Genetics</i> , 2020, 11, 438.	2.3	14
35	Detection system of the intracellular nitric oxide in yeast by HPLC with a fluorescence detector. <i>Analytical Biochemistry</i> , 2020, 598, 113707.	2.4	15
36	A Novel Mechanism for Nitrosative Stress Tolerance Dependent on GTP Cyclohydrolase II Activity Involved in Riboflavin Synthesis of Yeast. <i>Scientific Reports</i> , 2020, 10, 6015.	3.3	11

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37	Natural extract and its fractions isolated from the marine bacterium <i>Pseudoalteromonas flavipulchra</i> STILL-33 have antioxidant and antiaging activities in <i>Schizosaccharomyces pombe</i> . <i>FEMS Yeast Research</i> , 2020, 20, .	2.3	8
38	Inhibitory effect of arginine on proline utilization in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2020, 37, 531-540.	1.7	16
39	The C2 domain of the ubiquitin ligase Rsp5 is required for ubiquitination of the endocytic protein Rvs167 upon change of nitrogen source. <i>FEMS Yeast Research</i> , 2020, 20, .	2.3	2
40	L-Cysteine Metabolism Found in <i>Saccharomyces cerevisiae</i> and <i>Ogataea parapolymorpha</i> . , 2019, , 521-537.		1
41	Involvement of the stress-responsive transcription factor gene MSN2 in the control of amino acid uptake in <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2019, 19, .	2.3	11
42	Mitochondrial cysteinyl-tRNA synthetase is expressed via alternative transcriptional initiation regulated by energy metabolism in yeast cells. <i>Journal of Biological Chemistry</i> , 2019, 294, 13781-13788.	3.4	16
43	Yeast prion-based metabolic reprogramming induced by bacteria in fermented foods. <i>FEMS Yeast Research</i> , 2019, 19, .	2.3	8
44	Characterization of a New <i>Saccharomyces cerevisiae</i> Isolated From Hibiscus Flower and Its Mutant With L-Leucine Accumulation for Awamori Brewing. <i>Frontiers in Genetics</i> , 2019, 10, 490.	2.3	15
45	Loss of Rim15p in shochu yeast alters carbon utilization during barley shochu fermentation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 1594-1597.	1.3	3
46	Stable N-acetyltransferase Mpr1 improves ethanol productivity in the sake yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 1039-1045.	3.0	4
47	Metabolic regulatory mechanisms and physiological roles of functional amino acids and their applications in yeast. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 1449-1462.	1.3	43
48	Editorial: yeast ecology and interaction. <i>FEMS Yeast Research</i> , 2019, 19, .	2.3	2
49	Nutrient Signaling via the TORC1-Greatwall-PP2A ^{B55} Pathway Is Responsible for the High Initial Rates of Alcoholic Fermentation in Sake Yeast Strains of <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	16
50	Categorization of endoplasmic reticulum stress as accumulation of unfolded proteins or membrane lipid aberrancy using yeast Ire1 mutants. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 326-329.	1.3	8
51	Proline metabolism regulates replicative lifespan in the yeast <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell</i> , 2019, 6, 482-490.	3.2	18
52	4-Phenylbutyrate suppresses the unfolded protein response without restoring protein folding in <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2018, 18, .	2.3	22
53	Importance of Proteasome Gene Expression during Model Dough Fermentation after Preservation of Baker's Yeast Cells by Freezing. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	4
54	A Novel Mitochondrial Serine O-Acetyltransferase, OpSAT1, Plays a Critical Role in Sulfur Metabolism in the Thermotolerant Methylotrophic Yeast <i>Ogataea parapolymorpha</i> . <i>Scientific Reports</i> , 2018, 8, 2377.	3.3	9

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55	High-level production of valine by expression of the feedback inhibition-insensitive acetohydroxyacid synthase in <i>Saccharomyces cerevisiae</i> . <i>Metabolic Engineering</i> , 2018, 46, 60-67.	7.0	26
56	Heterogeneity in Pathogenicity-related Properties and Stress Tolerance in <i>Aspergillus fumigatus</i> ; Clinical Isolates. <i>Medical Mycology Journal</i> , 2018, 59, E63-E70.	1.4	7
57	Sodium Acetate Responses in <i>Saccharomyces cerevisiae</i> and the Ubiquitin Ligase Rsp5. <i>Frontiers in Microbiology</i> , 2018, 9, 2495.	3.5	9
58	Nitric Oxide Signalling in Yeast. <i>Advances in Microbial Physiology</i> , 2018, 72, 29-63.	2.4	12
59	A chimeric mutant analysis in yeast cells suggests BiP independent regulation of the mammalian endoplasmic reticulum-stress sensor IRE1 \pm . <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1527-1530.	1.3	2
60	Metabolic switching of sake yeast by kimoto lactic acid bacteria through the Δ [GAR] non-genetic element. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 624-629.	2.2	23
61	Accumulation of intracellular S-adenosylmethionine increases the fermentation rate of bottom-fermenting brewer's yeast during high-gravity brewing. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 736-741.	2.2	13
62	Valine biosynthesis in <i>Saccharomyces cerevisiae</i> is regulated by the mitochondrial branched-chain amino acid aminotransferase Bat1. <i>Microbial Cell</i> , 2018, 5, 293-299.	3.2	18
63	Pleiotropic functions of the yeast Greatwall-family protein kinase Rim15p: a novel target for the control of alcoholic fermentation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 1061-1068.	1.3	11
64	A unique intracellular compartment formed during the oligotrophic growth of <i>Rhodococcus erythropolis</i> N9T-4. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 331-340.	3.6	12
65	Promoter engineering of the <i>Saccharomyces cerevisiae</i> RIM15 gene for improvement of alcoholic fermentation rates under stress conditions. <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 183-189.	2.2	17
66	Enhanced sodium acetate tolerance in <i>Saccharomyces cerevisiae</i> by the Thr255Ala mutation of the ubiquitin ligase Rsp5. <i>FEMS Yeast Research</i> , 2017, 17, .	2.3	9
67	Regulatory Mechanism of Nitric Oxide Synthesis and Its Physiological Function in Yeast. <i>Kagaku To Seibutsu</i> , 2017, 55, 617-623.	0.0	0
68	Construction of Baker's Yeast Strains with Enhanced Tolerance to Baking-Associated Stresses. , 2017, , 63-85.		7
69	<i>RIM15</i> , a <i>Kyokai</i> Sake Yeast-specific Mutated Gene Associated with the High Alcoholic Fermentation Performance. <i>Journal of the Brewing Society of Japan</i> , 2016, 111, 638-647.	0.3	0
70	Vacuolar amino acid transporters upregulated by exogenous proline and involved in cellular localization of proline in <i>Saccharomyces cerevisiae</i> . <i>Journal of General and Applied Microbiology</i> , 2016, 62, 132-139.	0.7	17
71	Regulatory mechanism of the flavoprotein Tah18-dependent nitric oxide synthesis and cell death in yeast. <i>Nitric Oxide - Biology and Chemistry</i> , 2016, 57, 85-91.	2.7	23
72	Nitric oxide signaling in yeast. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9483-9497.	3.6	31

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73	L-Cysteine Metabolism and Fermentation in Microorganisms. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2016, 159, 129-151.	1.1	44
74	Isolation of baker's yeast mutants with proline accumulation that showed enhanced tolerance to baking-associated stresses. <i>International Journal of Food Microbiology</i> , 2016, 238, 233-240.	4.7	27
75	Glutamyl kinase is involved in selective autophagy of ribosomes in <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 2016, 590, 2906-2914.	2.8	9
76	Proline accumulation protects <i>Saccharomyces cerevisiae</i> cells in stationary phase from ethanol stress by reducing reactive oxygen species levels. <i>Yeast</i> , 2016, 33, 355-363.	1.7	62
77	Nitric oxide signaling and its role in oxidative stress response in <i>Schizosaccharomyces pombe</i> . <i>Nitric Oxide - Biology and Chemistry</i> , 2016, 52, 29-40.	2.7	27
78	Inhibitory Role of Greatwall-Like Protein Kinase Rim15p in Alcoholic Fermentation via Upregulating the UDP-Glucose Synthesis Pathway in <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 340-351.	3.1	28
79	Structure-based molecular design for thermostabilization of N-acetyltransferase Mpr1 involved in a novel pathway of L-arginine synthesis in yeast. <i>Journal of Biochemistry</i> , 2016, 159, 271-277.	1.7	5
80	Putative mitochondrial α -ketoglutarate-dependent dioxygenase Fmp12 controls utilization of proline as an energy source in <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell</i> , 2016, 3, 522-528.	3.2	10
81	Uptake of L-cystine via an ABC transporter contributes defense of oxidative stress in the L-cystine export-dependent manner in <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2015, 10, e0120619.	2.5	51
82	Isolation and functional analysis of yeast ubiquitin ligase Rsp5 variants that alleviate the toxicity of human α -synuclein. <i>Journal of Biochemistry</i> , 2015, 157, 251-260.	1.7	15
83	Involvement of the yciW gene in L-cysteine and L-methionine metabolism in <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 310-313.	2.2	28
84	Enhancement of L-cysteine production by disruption of yciW in <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 176-179.	2.2	35
85	Cooperative and selective roles of the WW domains of the yeast Nedd4-like ubiquitin ligase Rsp5 in the recognition of the arrestin-like adaptors Bul1 and Bul2. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 76-81.	2.1	9
86	The glyoxylate shunt is essential for CO ₂ -requiring oligotrophic growth of <i>Rhodococcus erythropolis</i> N9T-4. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 5627-5637.	3.6	21
87	Awa1p on the cell surface of sake yeast inhibits biofilm formation and the co-aggregation between sake yeasts and <i>Lactobacillus plantarum</i> ML11-11. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 532-537.	2.2	6
88	Finding of thiosulfate pathway for synthesis of organic sulfur compounds in <i>Saccharomyces cerevisiae</i> and improvement of ethanol production. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 666-669.	2.2	19
89	Isolation and characterization of awamori yeast mutants with L-leucine accumulation that overproduce isoamyl alcohol. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 140-147.	2.2	14
90	Cloning and heterologous expression of the ftfCNC-2(1) gene from <i>Weissella confusa</i> MBFCNC-2(1) as an extracellular active fructansucrase in <i>Bacillus subtilis</i> . <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 515-520.	2.2	5

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91	Stress Tolerance of Baker's Yeast During Bread-Making Processes. , 2015, , 23-42.		9
92	Mechanism of High Alcoholic Fermentation Ability of Sake Yeast. , 2015, , 59-75.		2
93	Nitric Oxide-Mediated Antioxidative Mechanism in Yeast through the Activation of the Transcription Factor Mac1. PLoS ONE, 2014, 9, e113788.	2.5	41
94	Stress Tolerance of Baker's Yeast during Bread-Making Processes: Proline/Arginine Metabolism and Its Application to Breeding. Japanese Journal of Food Microbiology, 2014, 31, 185-193.	0.2	0
95	Calcineurin inhibitors suppress the high-temperature stress sensitivity of the yeast ubiquitin ligase Rsp5 mutant: a new method of screening for calcineurin inhibitors. FEMS Yeast Research, 2014, 14, 567-574.	2.3	8
96	The transcriptional activator Pog1 controls cell cycle, and its phosphorylated form is downregulated by the ubiquitin ligase Dma2 in <i>Saccharomyces cerevisiae</i> . FEMS Yeast Research, 2014, 14, n/a-n/a.	2.3	2
97	Utilization of atmospheric ammonia by an extremely oligotrophic bacterium, <i>Rhodococcus erythropolis</i> N9T-4. Journal of Bioscience and Bioengineering, 2014, 117, 28-32.	2.2	23
98	Mitochondrial metabolism and stress response of yeast: Applications in fermentation technologies. Journal of Bioscience and Bioengineering, 2014, 117, 383-393.	2.2	44
99	Quality Control of Plasma Membrane Proteins by <i>Saccharomyces cerevisiae</i> Ned4-Like Ubiquitin Ligase Rsp5p under Environmental Stress Conditions. Eukaryotic Cell, 2014, 13, 1191-1199.	3.4	15
100	Exogenous addition of histidine reduces copper availability in the yeast <i>Saccharomyces cerevisiae</i> . Microbial Cell, 2014, 1, 241-246.	3.2	18
101	Improvement of fermentation ability under baking-associated stress conditions by altering the POG1 gene expression in baker's yeast. International Journal of Food Microbiology, 2013, 165, 241-245.	4.7	23
102	Microbial production of N-acetyl cis-4-hydroxy-l-proline by coexpression of the <i>Rhizobium</i> l-proline cis-4-hydroxylase and the yeast N-acetyltransferase Mpr1. Applied Microbiology and Biotechnology, 2013, 97, 247-257.	3.6	12
103	The flavoprotein Tah18-dependent NO synthesis confers high-temperature stress tolerance on yeast cells. Biochemical and Biophysical Research Communications, 2013, 430, 137-143.	2.1	42
104	An organic acid-tolerant HAA1-overexpression mutant of an industrial bioethanol strain of <i>Saccharomyces cerevisiae</i> and its application to the production of bioethanol from sugarcane molasses. AMB Express, 2013, 3, 74.	3.0	39
105	Characterization of β -glutamyl kinase mutants from <i>Saccharomyces cerevisiae</i> . Journal of Bioscience and Bioengineering, 2013, 116, 576-579.	2.2	6
106	Rim15p-mediated regulation of sucrose utilization during molasses fermentation using <i>Saccharomyces cerevisiae</i> strain PE-2. Journal of Bioscience and Bioengineering, 2013, 116, 591-594.	2.2	16
107	Properties, metabolisms, and applications of l-proline analogues. Applied Microbiology and Biotechnology, 2013, 97, 6623-6634.	3.6	43
108	Structural and functional analysis of the yeast N-acetyltransferase Mpr1 involved in oxidative stress tolerance via proline metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11821-11826.	7.1	22

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109	Phosphorylation of a conserved Thr357 in yeast Nedd4-like ubiquitin ligase Rsp5 is involved in down-regulation of the general amino acid permease Gap1. <i>Genes To Cells</i> , 2013, 18, 459-475.	1.2	21
110	Overexpression of the Transcription Activator Msn2 Enhances the Fermentation Ability of Industrial Baker's Yeast in Frozen Dough. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 624-627.	1.3	23
111	Functional Analysis of the C-Terminal Region of β -Glutamyl Kinase of <i>Saccharomyces cerevisiae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 454-461.	1.3	11
112	Carbon monoxide utilization of an extremely oligotrophic bacterium, <i>Rhodococcus erythropolis</i> N9T-4. <i>Journal of Bioscience and Bioengineering</i> , 2012, 114, 53-55.	2.2	8
113	Production of N-acetyl cis-4-hydroxy-L-proline by the yeast N-acetyltransferase Mpr1. <i>Journal of Bioscience and Bioengineering</i> , 2012, 114, 160-165.	2.2	13
114	The proline metabolism intermediate γ -pyrroline-5-carboxylate directly inhibits the mitochondrial respiration in budding yeast. <i>FEBS Letters</i> , 2012, 586, 2411-2416.	2.8	39
115	Overexpression of vacuolar H ⁺ -ATPase-related genes in bottom-fermenting yeast enhances ethanol tolerance and fermentation rates during high-gravity fermentation. <i>Journal of the Institute of Brewing</i> , 2012, 118, 179-185.	2.3	12
116	Enhancement of the proline and nitric oxide synthetic pathway improves fermentation ability under multiple baking-associated stress conditions in industrial baker's yeast. <i>Microbial Cell Factories</i> , 2012, 11, 40.	4.0	46
117	Enhancement of thioredoxin/glutaredoxin-mediated L-cysteine synthesis from S-sulfocysteine increases L-cysteine production in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2012, 11, 62.	4.0	61
118	Proline accumulation in baker's yeast enhances high-sucrose stress tolerance and fermentation ability in sweet dough. <i>International Journal of Food Microbiology</i> , 2012, 152, 40-43.	4.7	47
119	Overexpression of the yeast transcription activator Msn2 confers furfural resistance and increases the initial fermentation rate in ethanol production. <i>Journal of Bioscience and Bioengineering</i> , 2012, 113, 451-455.	2.2	73
120	Simultaneous accumulation of proline and trehalose in industrial baker's yeast enhances fermentation ability in frozen dough. <i>Journal of Bioscience and Bioengineering</i> , 2012, 113, 592-595.	2.2	52
121	Gene Expression Analysis of Methylotrophic Oxidoreductases Involved in the Oligotrophic Growth of <i>Rhodococcus erythropolis</i> N9T-4. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 123-127.	1.3	21
122	Title is missing!. <i>Kagaku To Seibutsu</i> , 2011, 49, 81-83.	0.0	0
123	Sake yeast strains have difficulty in entering a quiescent state after cell growth cessation. <i>Journal of Bioscience and Bioengineering</i> , 2011, 112, 44-48.	2.2	29
124	Antioxidant N-acetyltransferase Mpr1/2 of industrial baker's yeast enhances fermentation ability after air-drying stress in bread dough. <i>International Journal of Food Microbiology</i> , 2010, 138, 181-185.	4.7	27
125	Multicopy suppression of oxidant-sensitive eos1 mutation by IZH2 in <i>Saccharomyces cerevisiae</i> and the involvement of Eos1 in zinc homeostasis. <i>FEMS Yeast Research</i> , 2010, 10, 259-269.	2.3	6
126	An antioxidative mechanism mediated by the yeast N-acetyltransferase Mpr1: oxidative stress-induced arginine synthesis and its physiological role. <i>FEMS Yeast Research</i> , 2010, 10, 687-698.	2.3	63

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127	The I-Cysteine/I-Cystine Shuttle System Provides Reducing Equivalents to the Periplasm in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 17479-17487.	3.4	101
128	Metabolic Engineering of <i>Saccharomyces cerevisiae</i> for Astaxanthin Production and Oxidative Stress Tolerance. <i>Applied and Environmental Microbiology</i> , 2009, 75, 7205-7211.	3.1	128
129	Insufficiency of Copper Ion Homeostasis Causes Freeze-Thaw Injury of Yeast Cells as Revealed by Indirect Gene Expression Analysis. <i>Applied and Environmental Microbiology</i> , 2009, 75, 6706-6711.	3.1	17
130	Ethanol stress stimulates the Ca ²⁺ -mediated calcineurin/Crz1 pathway in <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2009, 107, 1-6.	2.2	50
131	Disruption of ubiquitin-related genes in laboratory yeast strains enhances ethanol production during sake brewing. <i>Journal of Bioscience and Bioengineering</i> , 2009, 107, 636-640.	2.2	19
132	Engineering of the yeast antioxidant enzyme Mpr1 for enhanced activity and stability. <i>Biotechnology and Bioengineering</i> , 2009, 103, 341-352.	3.3	24
133	The outer membrane TolC is involved in cysteine tolerance and overproduction in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2009, 81, 903-913.	3.6	59
134	<i>MPR1</i> as a novel selection marker in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2009, 26, 587-593.	1.7	11
135	Crystallization and preliminary crystallographic analysis of N-acetyltransferase Mpr1 from <i>Saccharomyces cerevisiae</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 169-172.	0.7	2
136	The yeast ubiquitin ligase Rsp5 downregulates the alpha subunit of nascent polypeptide-associated complex Egd2 under stress conditions. <i>FEBS Journal</i> , 2009, 276, 5287-5297.	4.7	14
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