Yasuyoshi Sakai

List of Publications by Year
in descending order

149 papers	10,082 citations	61984 43 h-index	36028 97 g-index
151 all docs	151 docs citations	151 times ranked	14821 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
2	A Unified Nomenclature for Yeast Autophagy-Related Genes. Developmental Cell, 2003, 5, 539-545.	7.0	1,147
3	Pexophagy: The Selective Autophagy of Peroxisomes. Autophagy, 2005, 1, 75-83.	9.1	250
4	Peroxisome Degradation by Microautophagy in Pichia pastoris: Identification of Specific Steps and Morphological Intermediates. Journal of Cell Biology, 1998, 141, 625-636.	5.2	230
5	Pexophagy: Autophagic degradation of peroxisomes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 1767-1775.	4.1	193
6	Mitochondrial division occurs concurrently with autophagosome formation but independently of Drp1 during mitophagy. Journal of Cell Biology, 2016, 215, 649-665.	5.2	193
7	Three Distinct Types of Microautophagy Based on Membrane Dynamics and Molecular Machineries. BioEssays, 2018, 40, e1800008.	2.5	180
8	The significance of peroxisomes in methanol metabolism in methylotrophic yeast. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 1453-1462.	4.1	172
9	Mitochondrial impairment triggers cytosolic oxidative stress and cell death following proteasome inhibition. Scientific Reports, 2014, 4, 5896.	3.3	168
10	Atg26-Mediated Pexophagy Is Required for Host Invasion by the Plant Pathogenic Fungus Colletotrichum orbiculare Â Â. Plant Cell, 2009, 21, 1291-1304.	6.6	138
11	Gene Structures and Regulation of the Alkane Hydroxylase Complex in Acinetobacter sp. Strain M-1. Journal of Bacteriology, 2001, 183, 1819-1823.	2.2	130
12	Evidence for ESCRT- and clathrin-dependent microautophagy. Journal of Cell Biology, 2017, 216, 3263-3274.	5.2	127
13	Yeast Methylotrophy: Metabolism, Gene Regulation and Peroxisome Homeostasis. International Journal of Microbiology, 2011, 2011, 1-8.	2.3	113
14	Modification of a Ubiquitin-like Protein Paz2 Conducted Micropexophagy through Formation of a Novel Membrane Structure. Molecular Biology of the Cell, 2004, 15, 58-70.	2.1	112
15	Paz2 and 13 otherPAZgene products regulate vacuolar engulfment of peroxisomes during micropexophagy. Genes To Cells, 2002, 7, 75-90.	1.2	109
16	Assimilation, dissimilation, and detoxification of formaldehyde, a central metabolic intermediate of methylotrophic metabolism. Chemical Record, 2005, 5, 367-375.	5.8	107
17	A Novel Fluorescent Sensor Protein for Visualization of Redox States in the Cytoplasm and in Peroxisomes. Molecular and Cellular Biology, 2010, 30, 3758-3766.	2.3	100
18	Peroxisome degradation requires catalytically active sterol glucosyltransferase with a GRAM domain. EMBO Journal, 2003, 22, 3231-3241.	7.8	96

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19	Interactions of Methylotrophs with Plants and Other Heterotrophic Bacteria. Microorganisms, 2015, 3, 137-151.	3.6	89
20	Anaerobic Degradation of Aromatic Compounds byMagnetospirillumStrains: Isolation and Degradation Genes. Bioscience, Biotechnology and Biochemistry, 2005, 69, 1483-1491.	1.3	83
21	Stimulation of Methanotrophic Growth in Cocultures by Cobalamin Excreted by Rhizobia. Applied and Environmental Microbiology, 2011, 77, 8509-8515.	3.1	80
22	PI4P-signaling pathway for the synthesis of a nascent membrane structure in selective autophagy. Journal of Cell Biology, 2006, 173, 709-717.	5.2	77
23	Methylovulum miyakonense gen. nov., sp. nov., a type I methanotroph isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 810-815.	1.7	74
24	Antioxidant System within Yeast Peroxisome. Journal of Biological Chemistry, 2001, 276, 14279-14288.	3.4	72
25	Peroxisomes as dynamic organelles: autophagic degradation. FEBS Journal, 2010, 277, 3289-3294.	4.7	72
26	Cloning and sequencing of the alcohol oxidase-encoding gene (AOD1) from the formaldehyde-producing asporogeneous methylotrophic yeast, Candida boidinii S2. Gene, 1992, 114, 67-73.	2.2	71
27	A Sorting Nexin PpAtg24 Regulates Vacuolar Membrane Dynamics during Pexophagy via Binding to Phosphatidylinositol-3-Phosphate. Molecular Biology of the Cell, 2005, 16, 446-457.	2.1	69
28	Autophagy in plants and phytopathogens. FEBS Letters, 2010, 584, 1350-1358.	2.8	67
29	Isolation and Characterization of a New Denitrifying Spirillum Capable of Anaerobic Degradation of Phenol. Applied and Environmental Microbiology, 2000, 66, 1286-1291.	3.1	61
30	Primary Structures of Fungal Fructosyl Amino Acid Oxidases and their Application to the Measurement of Glycated Proteins. FEBS Journal, 1996, 242, 499-505.	0.2	58
31	Aquatic plant surface as a niche for methanotrophs. Frontiers in Microbiology, 2014, 5, 30.	3.5	56
32	Purification and Properties of Fructosyl Lysine Oxidase fromFusarium oxysporumS-1F4. Bioscience, Biotechnology and Biochemistry, 1995, 59, 487-491.	1.3	53
33	Peroxisomal Catalase in the Methylotrophic Yeast Candida boidinii : Transport Efficiency and Metabolic Significance. Journal of Bacteriology, 2001, 183, 6372-6383.	2.2	53
34	Bifunctional enzyme fusion of 3-hexulose-6-phosphate synthase and 6-phospho-3-hexuloisomerase. Applied Microbiology and Biotechnology, 2007, 76, 439-445.	3.6	53
35	A Methylotrophic Pathway Participates in Pectin Utilization by Candida boidinii. Applied and Environmental Microbiology, 2000, 66, 4253-4257.	3.1	52
36	Atg8 regulates vacuolar membrane dynamics in a lipidation-independent manner in Pichia pastoris. Journal of Cell Science, 2010, 123, 4107-4116.	2.0	52

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37	Yeast Methylotrophy and Autophagy in a Methanol-Oscillating Environment on Growing Arabidopsis thaliana Leaves. PLoS ONE, 2011, 6, e25257.	2.5	51
38	Methyloparacoccus murrellii gen. nov., sp. nov., a methanotroph isolated from pond water. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 2100-2107.	1.7	49
39	Regulation and Physiological Role of the DAS1 Gene, Encoding Dihydroxyacetone Synthase, in the Methylotrophic Yeast Candida boidinii. Journal of Bacteriology, 1998, 180, 5885-5890.	2.2	49
40	Pexophagy in yeasts. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 992-998.	4.1	48
41	Regulation and evaluation of five methanol-inducible promoters in the methylotrophic yeast Candida boidinii. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2000, 1493, 56-63.	2.4	46
42	Regulation of peroxisomal proteins and organelle proliferation by multiple carbon sources in the methylotrophic yeast,Candida boidinii. Yeast, 1998, 14, 1175-1187.	1.7	45
43	Atg18 phosphoregulation controls organellar dynamics by modulating its phosphoinositide-binding activity. Journal of Cell Biology, 2013, 202, 685-698.	5.2	45
44	Peroxisomal Membrane Protein Pmp47 Is Essential in the Metabolism of Middle-chain Fatty Acid in Yeast Peroxisomes and Is Associated with Peroxisome Proliferation. Journal of Biological Chemistry, 2000, 275, 3455-3461.	3.4	44
45	Formaldehyde Fixation Contributes to Detoxification for Growth of a Nonmethylotroph, Burkholderia cepacia TM1, on Vanillic Acid. Applied and Environmental Microbiology, 2003, 69, 6128-6132.	3.1	44
46	Intracellular ATP Correlates with Mode of Pexophagy inPichia pastoris. Bioscience, Biotechnology and Biochemistry, 2005, 69, 1527-1533.	1.3	44
47	Physiological role of the glutathione-dependent formaldehyde dehydrogenase in the methylotrophic yeast Candida boidinii b bThe GenBank accession number for the sequence reported in this paper is AB085186.. Microbiology (United Kingdom), 2002, 148, 2697-2704.	1.8	42
48	High-level secretion of fungal glucoamylase using the Candida boidinii gene expression system. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1996, 1308, 81-87.	2.4	41
49	A Novel Operon Encoding Formaldehyde Fixation: the Ribulose Monophosphate Pathway in the Gram-Positive Facultative Methylotrophic Bacterium Mycobacterium gastri MB19. Journal of Bacteriology, 2000, 182, 944-948.	2.2	41
50	Methanolâ€inducible gene expression and heterologous protein production in the methylotrophic yeast Candida boidinii. Biotechnology and Applied Biochemistry, 2009, 53, 85-92.	3.1	41
51	Draft Genomes of Gammaproteobacterial Methanotrophs Isolated from Terrestrial Ecosystems. Genome Announcements, 2015, 3, .	0.8	41
52	Isolation and characterization of a mutant of a methanol yeast, Candida boidinii S2, with higher formaldehyde productivity.. Agricultural and Biological Chemistry, 1985, 49, 2699-2706.	0.3	40
53	The Tor and Sin3-Rpd3 complex regulate expression of the mitophagy receptor protein Atg32. Journal of Cell Science, 2014, 127, 3184-96.	2.0	40
54	Evolution from covalent conjugation to non-covalent interaction in the ubiquitin-like ATG12 system. Nature Structural and Molecular Biology, 2019, 26, 289-296.	8.2	39

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55	Alcohol oxidase hybrid oligomers formedin vivo andin vitro. Yeast, 1999, 15, 1223-1230.	1.7	38
56	Yap1-Regulated Glutathione Redox System Curtails Accumulation of Formaldehyde and Reactive Oxygen Species in Methanol Metabolism of Pichia pastoris. Eukaryotic Cell, 2009, 8, 540-549.	3.4	37
57	A novel formaldehyde oxidation pathway in methylotrophic yeasts: Methylformate as a possible intermediate. FEMS Microbiology Letters, 1995, 127, 229-234.	1.8	33
58	Novel function of <scp>W</scp>sc proteins as a methanolâ€sensing machinery in the yeast <scp>P</scp>ichia pastoris. Molecular Microbiology, 2017, 104, 349-363.	2.5	33
59	Highâ€“Level ATP Production by a Geneticallyâ€“Engineered Candida Yeast. Bio/technology, 1994, 12, 291-293.	1.5	32
60	Distribution of Methanotrophs in the Phyllosphere. Bioscience, Biotechnology and Biochemistry, 2012, 76, 1580-1583.	1.3	32
61	A defect of the vacuolar putative lipase Atg15 accelerates degradation of lipid droplets through lipolysis. Autophagy, 2015, 11, 1247-1258.	9.1	32
62	Physiological role of S-formylglutathione hydrolase in C1 metabolism of the methylotrophic yeast Candida boidinii. Microbiology (United Kingdom), 2003, 149, 1971-1979.	1.8	30
63	Molecular characterization of the glutathione-dependent formaldehyde dehydrogenase geneFLD1 from the methylotrophic yeastPichia methanolica. Yeast, 2004, 21, 445-453.	1.7	30
64	Trm1p, a Zn(II) ₂ Cys ₆ -Type Transcription Factor, Is a Master Regulator of Methanol-Specific Gene Activation in the Methylotrophic Yeast Candida boidinii. Eukaryotic Cell, 2008, 7, 527-536.	3.4	30
65	Cloning and sequence analysis of the gene encoding 3-hexulose-6-phosphate synthase from the methylotrophic bacterium,Methylomonas aminofaciens77a, and its expression inEscherichia coli. FEMS Microbiology Letters, 1996, 135, 201-205.	1.8	29
66	Hemiacetal Dehydrogenation Activity of Alcohol Dehydrogenases inSaccharomyces cerevisiae. Bioscience, Biotechnology and Biochemistry, 1998, 62, 1956-1961.	1.3	29
67	Role of Vac8 in Formation of the Vacuolar Sequestering Membrane during Micropexophagy. Autophagy, 2006, 2, 272-279.	9.1	28
68	Isolation and Characterization of a Mutant of a Methanol Yeast, Candida boidinii S2, with Higher Formaldehyde Productivity. Agricultural and Biological Chemistry, 1985, 49, 2699-2706.	0.3	27
69	Biotechnological application of cellular functions of the methylotrophic yeast. Journal of Molecular Catalysis B: Enzymatic, 1999, 6, 161-173.	1.8	27
70	Characterization and High-level Production of D-Amino Acid Oxidase in Candida boidinii. Bioscience, Biotechnology and Biochemistry, 2001, 65, 627-633.	1.3	27
71	Physiological role of the second alcohol oxidase geneMOD2 in the methylotrophic growth ofPichia methanolica. Yeast, 2002, 19, 1067-1073.	1.7	26
72	Purification and characterization of benzoate-CoA ligase fromMagnetospirillumsp. strain TS-6 capable of aerobic and anaerobic degradation of aromatic compounds. FEMS Microbiology Letters, 2006, 257, 208-213.	1.8	26

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73	Genomic organization and biochemistry of the ribulose monophosphate pathway and its application in biotechnology. Applied Microbiology and Biotechnology, 2009, 84, 407-416.	3.6	25
74	Primary structure and expression of peroxisomal acetylspermidine oxidase in the methylotrophic yeastCandida boidinii. FEBS Letters, 2000, 476, 150-154.	2.8	24
75	Mechanism for Remodeling of the Acyl Chain Composition of Cardiolipin Catalyzed by Saccharomyces cerevisiae Tafazzin. Journal of Biological Chemistry, 2016, 291, 15491-15502.	3.4	24
76	Production of Formaldehyde by Detergent-Treated Cells of a Methanol Yeast, Candida boidinii S2 Mutant Strain AOU-1. Applied and Environmental Microbiology, 1988, 54, 485-489.	3.1	24
77	Production of fungal fructosyl amino acid oxidase useful for diabetic diagnosis in the peroxisome ofCandida boidinii. FEBS Letters, 1999, 459, 233-237.	2.8	23
78	Draft Genome Sequences of Gammaproteobacterial Methanotrophs Isolated from Marine Ecosystems. Genome Announcements, 2016, 4, .	0.8	23
79	Synthesized AÎ²42 Caused Intracellular Oxidative Damage, Leading to Cell Death, via Lysosome Rupture. Cell Structure and Function, 2017, 42, 71-79.	1.1	23
80	Environmental Response of Yeast Peroxisomes; Aspects of Organelle Assembly and Degradation. Cell Biochemistry and Biophysics, 2000, 32, 51-61.	1.8	22
81	Analysis of alcohol oxidase isozymes in gene-disrupted strains of methylotrophic yeast Pichia methanolica. Journal of Bioscience and Bioengineering, 2001, 91, 225-227.	2.2	22
82	Regulation of two distinct alcohol oxidase promoters in the methylotrophic yeastPichia methanolica. Yeast, 2006, 23, 15-22.	1.7	22
83	Physiology of Methylotrophs Living in the Phyllosphere. Microorganisms, 2021, 9, 809.	3.6	22
84	Physiological role of theD-amino acid oxidase gene,DAO1, in carbon and nitrogen metabolism in the methylotrophic yeastCandida boidinii. Yeast, 2000, 16, 1217-1227.	1.7	21
85	Role of Î±-Methylacyl Coenzyme A Racemase in the Degradation of Methyl-Branched Alkanes by Mycobacterium sp. Strain P101. Journal of Bacteriology, 2004, 186, 7214-7220.	2.2	21
86	Trm2p-dependent derepression is essential for methanol-specific gene activation in the methylotrophic yeast Candida boidinii. FEMS Yeast Research, 2010, 10, no-no.	2.3	21
87	Distribution of Pink-Pigmented Facultative Methylotrophs on Leaves of Vegetables. Bioscience, Biotechnology and Biochemistry, 2012, 76, 578-580.	1.3	21
88	Development of a stable ERroGFP variant suitable for monitoring redox dynamics in the ER. Bioscience Reports, 2016, 36, .	2.4	21
89	Roseomonas elaeocarpi sp. nov., isolated from olive (Elaeocarpus hygrophilus Kurz.) phyllosphere. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 474-480.	1.7	21
90	Alcohol dehydrogenases that catalyse methyl formate synthesis participate in formaldehyde detoxification in the methylotrophic yeastCandida boidinii. Yeast, 2004, 21, 341-350.	1.7	20

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91	A novel hemiacetal dehydrogenase activity involved in ethyl acetate synthesis in Candida utilis. Journal of Bioscience and Bioengineering, 1999, 87, 690-692.	2.2	18
92	Lagâ€phase autophagy in the methylotrophic yeast Pichia pastoris. Genes To Cells, 2009, 14, 861-870.	1.2	18
93	Stress resistance and C1 metabolism involved in plant colonization of a methanotroph Methylosinus sp. B4S. Archives of Microbiology, 2013, 195, 717-726.	2.2	18
94	Dominant Colonization and Inheritance ofMethylobacteriumsp. Strain OR01 on Perilla Plants. Bioscience, Biotechnology and Biochemistry, 2013, 77, 1533-1538.	1.3	18
95	Community composition and methane oxidation activity of methanotrophs associated with duckweeds in a fresh water lake. Journal of Bioscience and Bioengineering, 2019, 128, 450-455.	2.2	18
96	Yeast nitrogen utilization in the phyllosphere during plant lifespan under regulation of autophagy. Scientific Reports, 2015, 5, 9719.	3.3	17
97	Role of Acyl Chain Composition of Phosphatidylcholine in Tafazzin-Mediated Remodeling of Cardiolipin in Liposomes. Biochemistry, 2017, 56, 6268-6280.	2.5	17
98	Atg26-mediated pexophagy and fungal phytopathogenicity. Autophagy, 2009, 5, 1041-1042.	9.1	15
99	Activation of the Oxidative Stress Regulator PpYap1 through Conserved Cysteine Residues during Methanol Metabolism in the YeastPichia pastoris. Bioscience, Biotechnology and Biochemistry, 2009, 73, 1404-1411.	1.3	15
100	The Peroxisomal Catalase Gene in the Methylotrophic YeastPichia methanolica. Bioscience, Biotechnology and Biochemistry, 2010, 74, 1733-1735.	1.3	14
101	A fluorescence resonance energy transfer (FRET)â€based redox sensor reveals physiological role of thioredoxin in the yeast Saccharomyces cerevisiae. FEBS Letters, 2013, 587, 793-798.	2.8	14
102	Draft Genome Sequence of the Moderately Halophilic Methanotroph Methylohalobius crimeensis Strain 10Ki. Genome Announcements, 2015, 3, .	0.8	14
103	Methanol Metabolism. , 2005, , 61-75.		13
104	Engineering the expression system for Komagataella phaffii (Pichia pastoris): an attempt to develop a methanol-free expression system. FEMS Yeast Research, 2019, 19, .	2.3	13
105	A peroxisome deficiencyâ€“induced reductive cytosol state up-regulates the brain-derived neurotrophic factor pathway. Journal of Biological Chemistry, 2020, 295, 5321-5334.	3.4	12
106	Molecular characterization of Candida boidinii MIG1 and its role in the regulation of methanolâ€inducible gene expression. Yeast, 2012, 29, 293-301.	1.7	11
107	Pantothenate auxotrophy of Methylobacterium spp. isolated from living plants. Bioscience, Biotechnology and Biochemistry, 2019, 83, 569-577.	1.3	11
108	Gene-tagging mutagenesis in the methylotrophic yeast Candida boidinii. Journal of Bioscience and Bioengineering, 2007, 104, 86-89.	2.2	10

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109	Autophagy-independent function of Atg8 in lipid droplet dynamics in yeast. Journal of Biochemistry, 2016, 161, mvw078.	1.7	10
110	Ethanol represses the expression of methanol-inducible genes via acetyl-CoA synthesis in the yeast Komagataella phaffii. Scientific Reports, 2018, 8, 18051.	3.3	10
111	KaiC family proteins integratively control temperatureâ€dependent UV resistance in Methylobacterium extorquens AM1. Environmental Microbiology Reports, 2018, 10, 634-643.	2.4	10
112	Subcellular localization of fructosyl amino acid oxidases in peroxisomes of Aspergillus terreus and Penicillium janthinellum. Journal of Bioscience and Bioengineering, 1999, 87, 108-111.	2.2	9
113	The emerging role of autophagy in peroxisome dynamics and lipid metabolism of phyllosphere microorganisms. Frontiers in Plant Science, 2014, 5, 81.	3.6	9
114	Peroxisomal Fba2p and Tal2p complementally function in the rearrangement pathway for xylulose 5-phosphate in the methylotrophic yeast Pichia pastoris. Journal of Bioscience and Bioengineering, 2019, 128, 33-38.	2.2	9
115	Isolation and Characterization of Mutants of the Methylotrophic Yeast,Candida boidiniiS2 That Are Impaired in Growth on Peroxisome-Inducing Carbon Sources. Bioscience, Biotechnology and Biochemistry, 1995, 59, 869-875.	1.3	8
116	Chapter 15 Pexophagy in Pichia pastoris. Methods in Enzymology, 2008, 451, 217-228.	1.0	8
117	Molecular Characterization of Hap Complex Components Responsible for Methanol-Inducible Gene Expression in the Methylotrophic Yeast Candida boidinii. Eukaryotic Cell, 2015, 14, 278-285.	3.4	8
118	Yeast Hog1 proteins are sequestered in stress granules under high-temperature stress. Journal of Cell Science, 2017, 131, .	2.0	8
119	A Pichia pastoris single-cell biosensor for detection of enzymatically produced methanol. Applied Microbiology and Biotechnology, 2018, 102, 7017-7027.	3.6	8
120	Draft Genome Sequences of Two Gammaproteobacterial Methanotrophs Isolated from Rice Ecosystems. Genome Announcements, 2017, 5, .	0.8	8
121	Crystal structure of 3â€hexuloseâ€6â€phosphate synthase, a member of the orotidine 5â€²â€monophosphate decarboxylase suprafamily. Proteins: Structure, Function and Bioinformatics, 2010, 78, 3488-3492.	2.6	7
122	Molecular Characterization of Two Genes with High Similarity to the Dihydroxyacetone Synthase Gene in the Methylotrophic YeastPichia methanolica. Bioscience, Biotechnology and Biochemistry, 2010, 74, 1491-1493.	1.3	7
123	Regulation of nitrate and methylamine metabolism by multiple nitrogen sources in the methylotrophic yeastCandida boidinii. FEMS Yeast Research, 2015, 15, fov084.	2.3	7
124	Analysis of Alcohol Oxidase Isozymes in Gene-Disrupted Strains of Methylotrophic Yeast Pichia methanolica.. Journal of Bioscience and Bioengineering, 2001, 91, 225-227.	2.2	7
125	Production of catalytic cells for formaldehyde production and alcohol oxidase by a catabolite repression-insensitive mutant of a methanol yeastCandida boidinii A5. Biotechnology and Bioengineering, 1988, 32, 1165-1169.	3.3	6
126	Atg21 regulates pexophagy via its PI(3)P-binding activity inPichia pastoris. FEMS Yeast Research, 2014, 14, 435-444.	2.3	6

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127	Expression of a codon-optimized Aspergillus niger pectin methylesterase gene in the methylotrophic yeast Candida boidinii. Bioscience, Biotechnology and Biochemistry, 2014, 78, 718-721.	1.3	6
128	Screening of dietary antioxidants against mitochondria-mediated oxidative stress by visualization of intracellular redox state. Bioscience, Biotechnology and Biochemistry, 2016, 80, 726-734.	1.3	6
129	The methanol sensor Wsc1 and MAPK Mpk1 suppress degradation of methanol-induced peroxisomes in methylotrophic yeast. Journal of Cell Science, 2021, 134, .	2.0	6
130	Methanol bioeconomy: promotion of rice crop yield in paddy fields with microbial cells prepared from natural gasâ€derived C₁ compound. Microbial Biotechnology, 2021, 14, 1385-1396.	4.2	5
131	Improvement of ATP Production with Cells of a Methylotrophic Yeast, Candida boidinii, by Genetic Engineering.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1994, 70, 53-57.	3.8	4
132	Cloning and sequence analysis of theCandida boidiniiADE2 gene. Yeast, 2000, 16, 953-957.	1.7	4
133	Regulation of Peroxisome Homeostasis by Post-Translational Modification in the Methylotrophic Yeast Komagataella phaffii. Frontiers in Cell and Developmental Biology, 2022, 10, 887806.	3.7	4
134	Experimental Systems to Study Yeast Pexophagy. Methods in Molecular Biology, 2017, 1595, 249-255.	0.9	3
135	Diversity of dioxygenases that catalyze the first step of oxidation of long-chain n-alkanes in Acinetobacter sp. M-1. FEMS Microbiology Letters, 1996, 141, 177-182.	1.8	3
136	Msn5p Is Involved in Formaldehyde Resistance but Not in Oxidative Stress Response in the Methylotrophic YeastCandida boidinii. Bioscience, Biotechnology and Biochemistry, 2012, 76, 299-304.	1.3	2
137	Homeostasis of the ER redox state subsequent to proteasome inhibition. Scientific Reports, 2021, 11, 8655.	3.3	2
138	Fatty acid composition of the methylotrophic yeast Komagataella phaffii grown under lowâ€and highâ€methanol conditions. Yeast, 2021, 38, 541-548.	1.7	2
139	Methylotrophic bacterium-based molecular sensor for the detection of low concentrations of methanol. Journal of Bioscience and Bioengineering, 2021, 132, 247-252.	2.2	2
140	Expression level of methanol-inducible peroxisomal proteins and peroxisome morphology are affected by oxygen conditions and mitochondrial respiratory pathway function in the methylotrophic yeastCandida boidinii. FEMS Yeast Research, 2013, 13, 359-366.	2.3	1
141	Atg18 lifts up from and lands on the vacuolar membrane mediated by phosphorylation of its propellers. Autophagy, 2013, 9, 2161-2162.	9.1	1
142	Cloning and sequence analysis of the Candida boidinii ADE2 gene. Yeast, 2000, 16, 953-957.	1.7	1
143	Organization of the genes involved in the ribulose monophosphate pathway in an obligate methylotrophic bacterium, Methylomonas aminofaciens 77a. FEMS Microbiology Letters, 1999, 176, 125-130.	1.8	1
144	Unique C-terminal region of Hap3 is required for methanol-regulated gene expression in the methylotrophic yeast Candida boidinii. Microbiology (United Kingdom), 2016, 162, 898-907.	1.8	1

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145	Autophagy as a Survival Strategy for Eukaryotic Microbes Living in the Phyllosphere. Frontiers in Plant Science, 2022, 13, 867486.	3.6	1
146	Cellular Functions of the Methylotrophic Yeast: Their Molecular Mechanism and Applications.. Nippon Nogeikagaku Kaishi, 1998, 72, 1333-1344.	0.0	0
147	Methanol production by reversed methylotrophy constructed in Escherichia coli. Bioscience, Biotechnology and Biochemistry, 2020, 84, 1062-1068.	1.3	0
148	Peroxisome Degradation and Its Molecular Machinery. , 2019, , 43-58.		0
149	Yeast Cell Sensor: Single-Cell Technology for Methanol DetectionIts Use in Biological Researches, Environmental Sciences, and Enzyme Engineering. Kagaku To Seibutsu, 2020, 58, 416-423.	0.0	0