Ryouichi Fukuda

List of Publications by Year
in descending order

34 papers	1,800 citations	430874 18 h-index	395702 33 g-index
36 all docs	36 docs citations	36 times ranked	1353 citing authors

#	Article	IF	Citations
1	Compartmental specificity of cellular membrane fusion encoded in SNARE proteins. Nature, 2000, 407, 153-159.	27.8	629
2	Topological restriction of SNARE-dependent membrane fusion. Nature, 2000, 407, 194-198.	27.8	242
3	Functional architecture of an intracellular membrane t-SNARE. Nature, 2000, 407, 198-202.	27.8	222
4	Yas3p, an Opi1 Family Transcription Factor, Regulates Cytochrome P450 Expression in Response to n-Alkanes in Yarrowia lipolytica. Journal of Biological Chemistry, 2009, 284, 7126-7137.	3.4	56
5	Basic Helix-Loop-Helix Transcription Factor Heterocomplex of Yas1p and Yas2p Regulates Cytochrome P450 Expression in Response to Alkanes in the Yeast Yarrowia lipolytica. Eukaryotic Cell, 2007, 6, 734-743.	3.4	52
6	Metabolism of Hydrophobic Carbon Sources and Regulation of It in<i>n</i>-Alkane-Assimilating Yeast<i>Yarrowia lipolytica</i>. Bioscience, Biotechnology and Biochemistry, 2013, 77, 1149-1154.	1.3	50
7	Accumulation of Misfolded Protein Aggregates Leads to the Formation of Russell Body-like Dilated Endoplasmic Reticulum in Yeast. , 1997, 13, 1009-1020.		45
8	Functional roles and substrate specificities of twelve cytochromes P450 belonging to CYP52 family in n-alkane assimilating yeast Yarrowia lipolytica. Fungal Genetics and Biology, 2016, 91, 43-54.	2.1	44
9	Transcriptional repression by glycerol of genes involved in the assimilation of<i>n</i>-alkanes and fatty acids in yeast<i>Yarrowia lipolytica</i>. FEMS Yeast Research, 2013, 13, 233-240.	2.3	40
10	A Basic Helix-Loop-Helix Transcription Factor Essential for Cytochrome P450 Induction in Response to Alkanes in Yeast Yarrowia lipolytica. Journal of Biological Chemistry, 2004, 279, 22183-22189.	3.4	39
11	Fatty Aldehyde Dehydrogenase Multigene Family Involved in the Assimilation of n-Alkanes in Yarrowia lipolytica. Journal of Biological Chemistry, 2014, 289, 33275-33286.	3.4	37
12	Construction and characterization of a Yarrowia lipolytica mutant lacking genes encoding cytochromes P450 subfamily 52. Fungal Genetics and Biology, 2012, 49, 58-64.	2.1	36
13	Î”12-fatty acid desaturase is involved in growth at low temperature in yeast Yarrowia lipolytica. Biochemical and Biophysical Research Communications, 2017, 488, 165-170.	2.1	34
14	Oxysterol-binding protein homologs mediate sterol transport from the endoplasmic reticulum to mitochondria in yeast. Journal of Biological Chemistry, 2018, 293, 5636-5648.	3.4	33
15	Incorporation and remodeling of extracellular phosphatidylcholine with short acyl residues in Saccharomyces cerevisiae. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2008, 1781, 391-399.	2.4	30
16	Alcohol dehydrogenases and an alcohol oxidase involved in the assimilation of exogenous fatty alcohols in Yarrowia lipolytica. FEMS Yeast Research, 2015, 15, .	2.3	26
17	An ortholog of farA of Aspergillus nidulans is implicated in the transcriptional activation of genes involved in fatty acid utilization in the yeast Yarrowia lipolytica. Biochemical and Biophysical Research Communications, 2010, 402, 731-735.	2.1	23
18	Involvement of acyl-CoA synthetase genes in<i>n</i>-alkane assimilation and fatty acid utilization in yeast<i>Yarrowia lipolytica</i>. FEMS Yeast Research, 2015, 15, fov031.	2.3	23

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19	Phosphatidic acid and phosphoinositides facilitate liposome association of Yas3p and potentiate derepression of ARE1 (alkane-responsive element one)-mediated transcription control. Fungal Genetics and Biology, 2013, 61, 100-110.	2.1	21
20	Incorporation and remodeling of phosphatidylethanolamine containing short acyl residues in yeast. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 635-645.	2.4	19
21	Utilization of Hydrophobic Substrate by Yarrowia lipolytica. Microbiology Monographs, 2013, , 111-119.	0.6	17
22	Disruption of the<i>SCS2</i>Ortholog in the Alkane-Assimilating Yeast<i>Yarrowia lipolytica</i>Impairs Its Growth on<i>n</i>-Decane, but Does Not Impair Inositol Prototrophy. Bioscience, Biotechnology and Biochemistry, 2008, 72, 2219-2223.	1.3	15
23	Acidic phospholipid-independent interaction of Yas3p, an Opi1-family transcriptional repressor ofYarrowia lipolytica, with the endoplasmic reticulum. Yeast, 2015, 32, 691-701.	1.7	15
24	Type II phosphatidylserine decarboxylase is crucial for the growth and morphogenesis of the filamentous fungus Aspergillus nidulans. Journal of Bioscience and Bioengineering, 2021, 131, 139-146.	2.2	10
25	Mitochondrially-targeted bacterial phosphatidylethanolamine methyltransferase sustained phosphatidylcholine synthesis of a Saccharomyces cerevisiae Î”pem1 Î”pem2 double mutant without exogenous choline supply. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 1264-1271.	2.4	8
26	Human CTP:phosphoethanolamine cytidylyltransferase: Enzymatic properties and unequal catalytic roles of CTP-binding motifs in two cytidylyltransferase domains. Biochemical and Biophysical Research Communications, 2014, 449, 26-31.	2.1	7
27	Osh6p, a homologue of the oxysterol-binding protein, is involved in production of functional cytochrome P450 belonging to CYP52 family in n-alkane-assimilating yeast Yarrowia lipolytica. Biochemical and Biophysical Research Communications, 2018, 499, 836-842.	2.1	6
28	Suppression of respiratory growth defect of mitochondrial phosphatidylserine decarboxylase deficient mutant by overproduction of Sfh1, a Sec14 homolog, in yeast. PLoS ONE, 2019, 14, e0215009.	2.5	6
29	Acyl-chain remodeling of dioctanoyl-phosphatidylcholine in Saccharomyces cerevisiae mutant defective in de novo and salvage phosphatidylcholine synthesis. Biochemical and Biophysical Research Communications, 2014, 445, 289-293.	2.1	4
30	The membraneâ€bound O â€acyltransferase Ale1 transfers an acyl moiety to newly synthesized 2â€alkylâ€•sn â€glyceroâ€3â€phosphocholine in yeast. FEBS Letters, 2018, 592, 1829-1836.	2.8	3
31	Deletion of Aspergillus nidulans cpsA/rseA induces increased extracellular hydrolase production in solid-state culture partly through the high osmolarity glycerol pathway. Journal of Bioscience and Bioengineering, 2021, 131, 589-598.	2.2	3
32	Acyl-CoA synthetases, Aal4 and Aal7, are involved in the utilization of exogenous fatty acids in <i>Yarrowia lipolytica</i>. Journal of General and Applied Microbiology, 2021, 67, 9-14.	0.7	2
33	Orthologs of Saccharomyces cerevisiae SFH2, genes encoding Sec14 family proteins, implicated in utilization of n-alkanes and filamentous growth in response to n-alkanes in Yarrowia lipolytica. FEMS Yeast Research, 2022, , .	2.3	2
34	Suppression of respiratory growth defect of mutant deficient in mitochondrial phospholipase A1 by overexpression of genes involved in coenzyme Q synthesis in Saccharomyces cerevisiae. Bioscience, Biotechnology and Biochemistry, 2018, 82, 1633-1639.	1.3	1