

Hiroyuki Horiuchi

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,088
citations

394421

19
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302126

39
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40
all docs

40
docs citations

40
times ranked

2081
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#	ARTICLE	IF	CITATIONS
1	Orthologs of <i>Saccharomyces cerevisiae</i> SFH2, genes encoding Sec14 family proteins, implicated in utilization of n-alkanes and filamentous growth in response to n-alkanes in <i>Yarrowia lipolytica</i> . <i>FEMS Yeast Research</i> , 2022, , .	2.3	2
2	Gene manipulation in the Mucorales fungus <i>Rhizopus oryzae</i> using TALENs with exonuclease overexpression. <i>FEMS Microbiology Letters</i> , 2022, 369, .	1.8	8
3	Type II phosphatidylserine decarboxylase is crucial for the growth and morphogenesis of the filamentous fungus <i>Aspergillus nidulans</i> . <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 139-146.	2.2	10
4	Acyl-CoA synthetases, Aal4 and Aal7, are involved in the utilization of exogenous fatty acids in <i>Yarrowia lipolytica</i> . <i>Journal of General and Applied Microbiology</i> , 2021, 67, 9-14.	0.7	2
5	Deletion of <i>Aspergillus nidulans</i> <i>cpsA/rseA</i> induces increased extracellular hydrolase production in solid-state culture partly through the high osmolarity glycerol pathway. <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 589-598.	2.2	3
6	AP-2 complex contributes to hyphal-tip-localization of a chitin synthase in the filamentous fungus <i>Aspergillus nidulans</i> . <i>Fungal Biology</i> , 2021, 125, 806-814.	2.5	2
7	Novel Antifungal Compound Z-705 Specifically Inhibits Protein Kinase C of Filamentous Fungi. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	11
8	Suppression of respiratory growth defect of mitochondrial phosphatidylserine decarboxylase deficient mutant by overproduction of Sfh1, a Sec14 homolog, in yeast. <i>PLoS ONE</i> , 2019, 14, e0215009.	2.5	6
9	Oxysterol-binding protein homologs mediate sterol transport from the endoplasmic reticulum to mitochondria in yeast. <i>Journal of Biological Chemistry</i> , 2018, 293, 5636-5648.	3.4	33
10	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 <i>Yarrowia lipolytica</i> . <i>Biochemical and Biophysical Research Communications</i> , 2018, 499, 836-842.	2.1	6
11	Suppression of respiratory growth defect of mutant deficient in mitochondrial phospholipase A1 by overexpression of genes involved in coenzyme Q synthesis in <i>Saccharomyces cerevisiae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1633-1639.	1.3	1
12	The membrane-bound O-acyltransferase Ale1 transfers an acyl moiety to newly synthesized 2-alkylsn-glycero-3-phosphocholine in yeast. <i>FEBS Letters</i> , 2018, 592, 1829-1836.	2.8	3
13	Δ ¹² -fatty acid desaturase is involved in growth at low temperature in yeast <i>Yarrowia lipolytica</i> . <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 165-170.	2.1	34
14	Functional roles and substrate specificities of twelve cytochromes P450 belonging to CYP52 family in n-alkane assimilating yeast <i>Yarrowia lipolytica</i> . <i>Fungal Genetics and Biology</i> , 2016, 91, 43-54.	2.1	44
15	A Wiskott-Aldrich syndrome protein is involved in endocytosis in <i>Aspergillus nidulans</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1802-1812.	1.3	2
16	Acidic phospholipid-independent interaction of Yas3p, an Opi1-family transcriptional repressor of <i>Yarrowia lipolytica</i> , with the endoplasmic reticulum. <i>Yeast</i> , 2015, 32, 691-701.	1.7	15
17	Transportation of <i>Aspergillus nidulans</i> Class III and V Chitin Synthases to the Hyphal Tips Depends on Conventional Kinesin. <i>PLoS ONE</i> , 2015, 10, e0125937.	2.5	29
18	Protein kinase C regulates the expression of cell wall-related genes in RlmA-dependent and independent manners in <i>Aspergillus nidulans</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 321-330.	1.3	20

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19	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
20	Alcohol dehydrogenases and an alcohol oxidase involved in the assimilation of exogenous fatty alcohols in <i>Yarrowia lipolytica</i> . FEMS Yeast Research, 2015, 15, .	2.3	26
21	Fatty Aldehyde Dehydrogenase Multigene Family Involved in the Assimilation of n-Alkanes in <i>Yarrowia lipolytica</i> . Journal of Biological Chemistry, 2014, 289, 33275-33286.	3.4	37
22	Acyl-chain remodeling of dioctanoyl-phosphatidylcholine in <i>Saccharomyces cerevisiae</i> mutant defective in de novo and salvage phosphatidylcholine synthesis. Biochemical and Biophysical Research Communications, 2014, 445, 289-293.	2.1	4
23	Human CTP:phosphoethanolamine cytidyltransferase: Enzymatic properties and unequal catalytic roles of CTP-binding motifs in two cytidyltransferase domains. Biochemical and Biophysical Research Communications, 2014, 449, 26-31.	2.1	7
24	Mitochondrially-targeted bacterial phosphatidylethanolamine methyltransferase sustained phosphatidylcholine synthesis of a <i>Saccharomyces cerevisiae</i> <i>pem1</i> ^Δ <i>pem2</i> double mutant without exogenous choline supply. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 1264-1271.	2.4	8
25	Myosin Motor-Like Domain of Class VI Chitin Synthase CsmB of <i>Aspergillus nidulans</i> ; Is Not Functionally Equivalent to That of Class V Chitin Synthase CsmA. Bioscience, Biotechnology and Biochemistry, 2013, 77, 369-374.	1.3	13
26	Involvement of Protein Kinase C in the Suppression of Apoptosis and in Polarity Establishment in <i>Aspergillus nidulans</i> under Conditions of Heat Stress. PLoS ONE, 2012, 7, e50503.	2.5	23
27	Class III Chitin Synthase ChsB of <i>Aspergillus nidulans</i> Localizes at the Sites of Polarized Cell Wall Synthesis and Is Required for Conidial Development. Eukaryotic Cell, 2009, 8, 945-956.	3.4	62
28	Functional diversity of chitin synthases of <i>Aspergillus nidulans</i> in hyphal growth, conidiophore development and septum formation. Medical Mycology, 2009, 47, S47-S52.	0.7	50
29	A Protein Kinase C-Encoding Gene, <i>pkcA</i> , Is Essential to the Viability of the Filamentous Fungus <i>Aspergillus nidulans</i> . Bioscience, Biotechnology and Biochemistry, 2007, 71, 2787-2799.	1.3	48
30	Genome sequencing and analysis of <i>Aspergillus oryzae</i> . Nature, 2005, 438, 1157-1161.	27.8	1,128
31	The Class V Chitin Synthase Genes <i>csmA</i> s Crucial for the Growth of the <i>chsA chsC</i> Double Mutant in <i>Aspergillus nidulans</i> . Bioscience, Biotechnology and Biochemistry, 2005, 69, 87-97.	1.3	29
32	Repression of <i>chsB</i> expression reveals the functional importance of class IV chitin synthase gene <i>chsD</i> in hyphal growth and conidiation of <i>Aspergillus nidulans</i> The GenBank accession number for the the new version of the <i>chsD</i> nucleotide sequence is D83246.. Microbiology (United Kingdom), 2002, 148, 1335-1347.	1.8	46
33	Isolation of <i>csm1</i> encoding a class V chitin synthase with a myosin motor-like domain from the rice blast fungus, <i>Pyricularia oryzae</i> . FEMS Microbiology Letters, 1999, 170, 131-139.	1.8	2
34	Isolation of a class IV chitin synthase gene from a zygomycete fungus, <i>Rhizopus oligosporus</i> . FEMS Microbiology Letters, 1998, 169, 1-8.	1.8	6
35	Cloning and Characterization of a Chitinase-encoding Gene (<i>chiA</i>) from <i>Aspergillus nidulans</i> , Disruption of Which Decreases Germination Frequency and Hyphal Growth. Bioscience, Biotechnology and Biochemistry, 1998, 62, 60-65.	1.3	110
36	Intracellular chitinase gene from <i>Rhizopus oligosporus</i> : molecular cloning and characterization. Microbiology (United Kingdom), 1998, 144, 2647-2654.	1.8	41

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37	The <i>Aspergillus nidulans</i> genes <i>chsA</i> and <i>chsD</i> encode chitin synthases which have redundant functions in conidia formation. <i>Molecular Genetics and Genomics</i> , 1997, 253, 520-528.	2.4	49
38	Accumulation of Misfolded Protein Aggregates Leads to the Formation of Russell Body-like Dilated Endoplasmic Reticulum in Yeast. , 1997, 13, 1009-1020.		45
39	Isolation and Characterization of Two Chitin Synthase Genes from <i>Aspergillus nidulans</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 1994, 58, 1828-1835.	1.3	94
40	Correct splicing of modified introns of a <i>Rhizopus</i> proteinase gene in <i>Saccharomyces cerevisiae</i> . <i>Molecular Genetics and Genomics</i> , 1990, 223, 11-16.	2.4	6