# Hiroyuki Horiuchi

List of Publications by Year
in descending order



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|---|---|---|---|
| 40 papers | 2,088 citations | 394421 19 h-index | 302126 39 g-index |
| 40 all docs | 40 docs citations | 40 times ranked | 2081 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Genome sequencing and analysis of Aspergillus oryzae. Nature, 2005, 438, 1157-1161. | 27.8 | 1,128 |
| 2 | Cloning and Characterization of a Chitinase-encoding Gene (chiA) fromAspergillus nidulans, Disruption of Which Decreases Germination Frequency and Hyphal Growth. Bioscience, Biotechnology and Biochemistry, 1998, 62, 60-65. | 1.3 | 110 |
| 3 | Isolation and Characterization of Two Chitin Synthase Genes fromAspergillus nidulans. Bioscience, Biotechnology and Biochemistry, 1994, 58, 1828-1835. | 1.3 | 94 |
| 4 | Class III Chitin Synthase ChsB of Aspergillus nidulans Localizes at the Sites of Polarized Cell Wall Synthesis and Is Required for Conidial Development. Eukaryotic Cell, 2009, 8, 945-956. | 3.4 | 62 |
| 5 | Functional diversity of chitin synthases ofAspergillus nidulansin hyphal growth, conidiophore development and septum formation. Medical Mycology, 2009, 47, S47-S52. | 0.7 | 50 |
| 6 | The Aspergillus nidulans genes chsA and chsD encode chitin synthases which have redundant functions in conidia formation. Molecular Genetics and Genomics, 1997, 253, 520-528. | 2.4 | 49 |
| 7 | A Protein Kinase C-Encoding Gene,pkcA, Is Essential to the Viability of the Filamentous FungusAspergillus nidulans. Bioscience, Biotechnology and Biochemistry, 2007, 71, 2787-2799. | 1.3 | 48 |
| 8 | Repression of chsB expression reveals the functional importance of class IV chitin synthase gene chsD in hyphal growth and conidiation of Aspergillus nidulans The GenBank accession number for the the new version of the chsD nucleotide sequence is D83246.. Microbiology (United Kingdom), 2002, 148, 1335-1347. | 1.8 | 46 |
| 9 | Accumulation of Misfolded Protein Aggregates Leads to the Formation of Russell Body-like Dilated Endoplasmic Reticulum in Yeast. , 1997, 13, 1009-1020. | | 45 |
| 10 | 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 |
| 11 | Intracellular chitinase gene from Rhizopus oligosporus: molecular cloning and characterization. Microbiology (United Kingdom), 1998, 144, 2647-2654. | 1.8 | 41 |
| 12 | 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 |
| 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 | The Class V Chitin Synthase GenecsmAIs Crucial for the Growth of thechsA chsCDouble Mutant inAspergillus nidulans. Bioscience, Biotechnology and Biochemistry, 2005, 69, 87-97. | 1.3 | 29 |
| 16 | Transportation of Aspergillus nidulans Class III and V Chitin Synthases to the Hyphal Tips Depends on Conventional Kinesin. PLoS ONE, 2015, 10, e0125937. | 2.5 | 29 |
| 17 | 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 |
| 18 | Involvement of acyl-CoA synthetase genes inn-alkane assimilation and fatty acid utilization in yeastYarrowia lipolytica. FEMS Yeast Research, 2015, 15, fov031. | 2.3 | 23 |

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|---|---|---|---|
| 19 | Involvement of Protein Kinase C in the Suppression of Apoptosis and in Polarity Establishment in Aspergillus nidulans under Conditions of Heat Stress. PLoS ONE, 2012, 7, e50503. | 2.5 | 23 |
| 20 | Protein kinase C regulates the expression of cell wall-related genes in RlmA-dependent and independent manners inAspergillus nidulans. Bioscience, Biotechnology and Biochemistry, 2015, 79, 321-330. | 1.3 | 20 |
| 21 | 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 |
| 22 | 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 |
| 23 | Novel Antifungal Compound Z-705 Specifically Inhibits Protein Kinase C of Filamentous Fungi. Applied and Environmental Microbiology, 2019, 85, . | 3.1 | 11 |
| 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 | Gene manipulation in the Mucorales fungus Rhizopus oryzae using TALENs with exonuclease overexpression. FEMS Microbiology Letters, 2022, 369, . | 1.8 | 8 |
| 27 | 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 |
| 28 | Correct splicing of modified introns of a Rhizopus proteinase gene in Saccharomyces cerevisiae. Molecular Genetics and Genomics, 1990, 223, 11-16. | 2.4 | 6 |
| 29 | Isolation of a class IV chitin synthase gene from a zygomycete fungus,Rhizopus oligosporus. FEMS Microbiology Letters, 1998, 169, 1-8. | 1.8 | 6 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | A Wiskottâ€“Aldrich syndrome protein is involved in endocytosis in Aspergillus nidulans. Bioscience, Biotechnology and Biochemistry, 2016, 80, 1802-1812. | 1.3 | 2 |
| 36 | Acyl-CoA synthetases, Aal4 and Aal7, are involved in the utilization of exogenous fatty acids in Yarrowia lipolytica. Journal of General and Applied Microbiology, 2021, 67, 9-14. | 0.7 | 2 |

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|---|---|---|---|
| 37 | AP-2 complex contributes to hyphal-tip-localization of a chitin synthase in the filamentous fungus Aspergillus nidulans. Fungal Biology, 2021, 125, 806-814. | 2.5 | 2 |
| 38 | Isolation of csm1 encoding a class V chitin synthase with a myosin motor-like domain from the rice blast fungus, Pyricularia oryzae. FEMS Microbiology Letters, 1999, 170, 131-139. | 1.8 | 2 |
| 39 | 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 |
| 40 | 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 |