Hitoshi Nakayashiki

List of Publications by Year
in descending order

53 papers	2,758 citations	293460 24 h-index	198040 52 g-index
55 all docs	55 docs citations	55 times ranked	2826 citing authors

#	Article	IF	Citations
1	Copy number-dependent DNA methylation of the Pyricularia oryzae MAGGY retrotransposon is triggered by DNA damage. Communications Biology, 2021, 4, 351.	2.0	1
2	Three ourmia-like viruses and their associated RNAs in Pyricularia oryzae. Virology, 2019, 534, 25-35.	1.1	26
3	Cell biology in phytopathogenic fungi during host infection: commonalities and differences. Journal of General Plant Pathology, 2019, 85, 163-173.	0.6	13
4	A fungal Argonaute interferes with RNA interference. Nucleic Acids Research, 2018, 46, 2495-2508.	6.5	52
5	MoSET1 (Histone H3K4 Methyltransferase in Magnaporthe oryzae) Regulates Global Gene Expression during Infection-Related Morphogenesis. PLoS Genetics, 2015, 11, e1005385.	1.5	69
6	Histone H3K4 methyltransferase globally regulates substrate-dependent activation of cell-wall-degrading enzymes in Magnaporthe oryzae. Journal of General Plant Pathology, 2015, 81, 127-130.	0.6	1
7	Is the Fungus Magnaporthe Losing DNA Methylation?. Genetics, 2013, 195, 845-855.	1.2	16
8	Appressoriumâ€localized <scp>NADPH</scp> oxidase <scp>B</scp> is essential for aggressiveness and pathogenicity in the hostâ€specific, toxinâ€producing fungus <scp>A</scp>lternaria alternataâ€…<scp>J</scp>apanese pear pathotype. Molecular Plant Pathology, 2013, 14, 365-378.	2.0	22
9	Molecular cloning of the apoptosisâ€related calciumâ€binding protein <scp>AsALG</scp>â€2 in <scp>A</scp>vena sativa. Molecular Plant Pathology, 2013, 14, 222-229.	2.0	7
10	Substrate-Induced Transcriptional Activation of the MoCel7C Cellulase Gene Is Associated with Methylation of Histone H3 at Lysine 4 in the Rice Blast Fungus Magnaporthe oryzae. Applied and Environmental Microbiology, 2013, 79, 6823-6832.	1.4	34
11	Cellulases Belonging to Glycoside Hydrolase Families 6 and 7 Contribute to the Virulence of Magnaporthe oryzae. Molecular Plant-Microbe Interactions, 2012, 25, 1135-1141.	1.4	89
12	Implication of an Aldehyde Dehydrogenase Gene and a Phosphinothricin N-Acetyltransferase Gene in the Diversity of Pseudomonas cichorii Virulence. Genes, 2012, 3, 62-80.	1.0	7
13	In situ localization of avenanthramide A and its biosynthetic enzyme in oat leaves infected with the crown rust fungus, Puccinia coronata f. sp. avenae. Physiological and Molecular Plant Pathology, 2011, 76, 173-181.	1.3	8
14	Simultaneous silencing of endoâ€β1,4 xylanase genes reveals their roles in the virulence of Magnaporthe oryzae. Molecular Microbiology, 2011, 81, 1008-1019.	1.2	73
15	The Trickster in the genome: contribution and control of transposable elements. Genes To Cells, 2011, 16, 827-841.	0.5	10
16	Novel vectors for retrotransposon-induced gene silencing in Magnaporthe oryzae. Journal of General Plant Pathology, 2011, 77, 147-151.	0.6	4
17	Population structure of Eleusine isolates of Pyricularia oryzae and its evolutionary implications. Journal of General Plant Pathology, 2009, 75, 173-180.	0.6	14
18	Phylogenetic analyses of plant-growth-promoting rhizobacteria isolated from tomato, lettuce, and Japanese pepper plants in Hyogo Prefecture, Japan. Journal of General Plant Pathology, 2009, 75, 316-321.	0.6	1

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19	Cytological characteristics of microconidia of Magnaporthe oryzae. Journal of General Plant Pathology, 2009, 75, 353-358.	0.6	13
20	Systematic functional analysis of calciumâ€signalling proteins in the genome of the riceâ€blast fungus,Magnaporthe oryzae, using a highâ€throughput RNAâ€silencing system. Molecular Microbiology, 2008, 68, 1348-1365.	1.2	213
21	RNA interference: roles in fungal biology. Current Opinion in Microbiology, 2008, 11, 494-502.	2.3	116
22	Transcriptional Control and Protein Specialization Have Roles in the Functional Diversification of Two Dicer-Like Proteins in Magnaporthe oryzae. Genetics, 2008, 180, 1245-1249.	1.2	11
23	siRNA-dependent and -independent post-transcriptional cosuppression of the LTR-retrotransposon MAGGY in the phytopathogenic fungus Magnaporthe oryzae. Nucleic Acids Research, 2007, 35, 5987-5994.	6.5	43
24	Speciation in Pyricularia inferred from multilocus phylogenetic analysis. Mycological Research, 2007, 111, 799-808.	2.5	70
25	Rwt4, a wheat gene for resistance to Avena isolates of Magnaporthe oryzae, functions as a gene for resistance to Panicum isolates in Japan. Journal of General Plant Pathology, 2007, 73, 22-28.	0.6	5
26	Specific cleavage of ribosomal RNA and mRNA during victorin-induced apoptotic cell death in oat. Plant Journal, 2006, 46, 922-933.	2.8	20
27	Induction of Apoptotic Cell Death Leads to the Development of Bacterial Rot Caused by Pseudomonas cichorii. Molecular Plant-Microbe Interactions, 2006, 19, 112-122.	1.4	27
28	Evolution and Diversification of RNA Silencing Proteins in Fungi. Journal of Molecular Evolution, 2006, 63, 127-135.	0.8	141
29	Nitric oxide-overproducing transformants of Pseudomonas fluorescens with enhanced biocontrol of tomato bacterial wilt. Journal of General Plant Pathology, 2005, 71, 33-38.	0.6	19
30	Significance of PWT4â€“Rwt4 interaction in the species specificity of Avena isolates of Magnaporthe oryzae on wheat. Journal of General Plant Pathology, 2005, 71, 340-344.	0.6	11
31	Two phases of intracellular reactive oxygen species production during victorin-induced cell death in oats. Journal of General Plant Pathology, 2005, 71, 387-394.	0.6	17
32	The C-terminal chromodomain-like module in the integrase domain is crucial for high transposition efficiency of the retrotransposon MAGGY. FEBS Letters, 2005, 579, 488-492.	1.3	10
33	RNA silencing in fungi: Mechanisms and applications. FEBS Letters, 2005, 579, 5950-5957.	1.3	167
34	RNA silencing as a tool for exploring gene function in ascomycete fungi. Fungal Genetics and Biology, 2005, 42, 275-283.	0.9	287
35	One of the Two Dicer-like Proteins in the Filamentous Fungi Magnaporthe oryzae Genome Is Responsible for Hairpin RNA-triggered RNA Silencing and Related Small Interfering RNA Accumulation. Journal of Biological Chemistry, 2004, 279, 44467-44474.	1.6	85
36	Analysis of the Involvement of Hydroxyanthranilate Hydroxycinnamoyltransferase and Caffeoyl-CoA 3-O-Methyltransferase in Phytoalexin Biosynthesis in Oat. Molecular Plant-Microbe Interactions, 2004, 17, 81-89.	1.4	64

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37	Repeat-Induced Point Mutation (RIP) in Magnaporthe Grisea: Evidence for the Presence of Sexual Cycle in Nature. , 2004, , 57-63.		0
38	RNA Silencing in the Phytopathogenic Fungus Magnaporthe oryzae. Molecular Plant-Microbe Interactions, 2003, 16, 769-776.	1.4	168
39	Oat Retrotransposon OARE-1 Is Activated in Both Compatible and Incompatible Interactions with Pathogenic Fungi. Journal of General Plant Pathology, 2002, 68, 8-14.	0.6	2
40	Repeat-induced point mutation (RIP) in Magnaporthe grisea: implications for its sexual cycle in the natural field context. Molecular Microbiology, 2002, 45, 1355-1364.	1.2	112
41	Mitochondrial oxidative burst involved in apoptotic response in oats. Plant Journal, 2002, 30, 567-579.	2.8	131
42	Induction and Signaling of an Apoptotic Response Typified by DNA Laddering in the Defense Response of Oats to Infection and Elicitors. Molecular Plant-Microbe Interactions, 2001, 14, 477-486.	1.4	73
43	Involvement of gacA Gene in the Suppression of Tomato Bacterial Wilt by Pseudomonas fluorescens FPT9601. Journal of General Plant Pathology, 2001, 67, 134-143.	0.6	5
44	Novel evidence for apoptotic cell response and differential signals in chromatin condensation and DNA cleavage in victorin-treated oats. Plant Journal, 2001, 28, 13-26.	2.8	83
45	Pathogenicity, Mating Ability and DNA Restriction Fragment Length Polymorphisms of Pyricularia Populations Isolated from Gramineae, Bambusideae and Zingiberaceae Plants. Journal of General Plant Pathology, 2000, 66, 30-47.	0.6	177
46	Signal Mediators for Phytoalexin Production in Defense Response of Oats Elicited by Victorin as a Specific Elicitor. Journal of General Plant Pathology, 2000, 66, 185-190.	0.6	5
47	Molecular Analysis of the Wheat Blast Population in Brazil with a Homolog of Retrotransposon MGR583.. Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan, 1999, 65, 429-436.	0.1	70
48	Transposition of the Retrotransposon MAGGY in Heterologous Species of Filamentous Fungi. Genetics, 1999, 153, 693-703.	1.2	83
49	Population Structure of the Rice Blast Fungus in Japan Examined by DNA Fingerprinting.. Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan, 1999, 65, 15-24.	0.1	32
50	Genetic Diversity in Pyricularia Isolates from Various Hosts Revealed by Polymorphisms of Nuclear Ribosomal DNA and the Distribution of the MAGGY Retrotransposon.. Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan, 1999, 65, 588-596.	0.1	11
51	Natural Infection of Wild Grass Species with Rice Blast Fungus Suggested by DNA Fingerprinting.. Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan, 1998, 64, 125-128.	0.1	10
52	Distribution of Retrotransposon MAGGY in Pyricularia Species.. Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan, 1995, 61, 549-554.	0.1	25
53	Cauliflower Mosaic Virus Isolate, CM1841 Can Be Transmitted by Aphids from Infected Plants.. Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan, 1994, 60, 496-500.	0.1	1