Chang Hyun Khang

List of Publications by Year
in descending order

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31 papers	2,654 citations	430874 18 h-index	501196 28 g-index
37 all docs	37 docs citations	37 times ranked	2690 citing authors

#	Article	IF	Citations
1	Nup84 persists within the nuclear envelope of the rice blast fungus, Magnaporthe oryzae, during mitosis. Fungal Genetics and Biology, 2021, 146, 103472.	2.1	2
2	Tandem DNA repeats contain cisâ€regulatory sequences that activate biotrophyâ€specific expression of Magnaporthe effector gene PWL2. Molecular Plant Pathology, 2021, 22, 508-521.	4.2	6
3	Subcellular three-dimensional imaging deep through multicellular thick samples by structured illumination microscopy and adaptive optics. Nature Communications, 2021, 12, 3148.	12.8	25
4	Disruption of the Interfacial Membrane Leads to Magnaporthe oryzae Effector Re-location and Lifestyle Switch During Rice Blast Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 681734.	3.7	14
5	Thiosulfinate Tolerance Is a Virulence Strategy of an Atypical Bacterial Pathogen of Onion. Current Biology, 2020, 30, 3130-3140.e6.	3.9	36
6	Two nuclear effectors of the rice blast fungus modulate host immunity via transcriptional reprogramming. Nature Communications, 2020, 11, 5845.	12.8	75
7	A strikingly-angled spindle mediates nuclear migration during colonization of rice cells infected by Magnaporthe oryzae. Fungal Genetics and Biology, 2019, 126, 56-60.	2.1	6
8	Genome wide analysis of the transition to pathogenic lifestyles in Magnaporthales fungi. Scientific Reports, 2018, 8, 5862.	3.3	28
9	Visualizing the Movement of Magnaporthe oryzae Effector Proteins in Rice Cells During Infection. Methods in Molecular Biology, 2018, 1848, 103-117.	0.9	3
10	A nuclear contortionist: the mitotic migration ofMagnaporthe oryzaenuclei during plant infection. Mycology, 2018, 9, 202-210.	4.4	14
11	Vacuole Dynamics in Rice Cells Invaded by the Blast Fungus Magnaporthe oryzae. Methods in Molecular Biology, 2018, 1789, 195-203.	0.9	1
12	The appressorium of the rice blast fungus Magnaporthe oryzae remains mitotically active during post-penetration hyphal growth. Fungal Genetics and Biology, 2017, 98, 35-38.	2.1	20
13	Nuclear and structural dynamics during the establishment of a specialized effector-secreting cell by Magnaporthe oryzae in living rice cells. BMC Cell Biology, 2017, 18, 11.	3.0	21
14	Mitotic stopwatch for the blast fungus Magnaporthe oryzae during invasion of rice cells. Fungal Genetics and Biology, 2016, 93, 46-49.	2.1	20
15	Resistance of Annual Ryegrass Germplasm to a Highly Aggressive New Strain of Blast (Gray Leaf Spot). Journal of Crop Improvement, 2016, 30, 311-322.	1.7	4
16	Live-cell fluorescence imaging to investigate the dynamics of plant cell death during infection by the rice blast fungus Magnaporthe oryzae. BMC Plant Biology, 2016, 16, 69.	3.6	130
17	Magnaporthe oryzae and Rice Blast Disease. , 2014, , 591-606.		14
18	Global Expression Profiling of Transcription Factor Genes Provides New Insights into Pathogenicity and Stress Responses in the Rice Blast Fungus. PLoS Pathogens, 2013, 9, e1003350.	4.7	61

#	Article	IF	Citations
19	The Magnaporthe oryzae Effector AvrPiz-t Targets the RING E3 Ubiquitin Ligase APIP6 to Suppress Pathogen-Associated Molecular Patternâ€“Triggered Immunity in Rice. Plant Cell, 2012, 24, 4748-4762.	6.6	472
20	Recent advances in rice blast effector research. Current Opinion in Plant Biology, 2010, 13, 434-441.	7.1	174
21	Translocation ofMagnaporthe oryzaeEffectors into Rice Cells and Their Subsequent Cell-to-Cell Movement Â. Plant Cell, 2010, 22, 1388-1403.	6.6	426
22	Interaction Transcriptome Analysis Identifies Magnaporthe oryzae BAS1-4 as Biotrophy-Associated Secreted Proteins in Rice Blast Disease Â. Plant Cell, 2009, 21, 1273-1290.	6.6	346
23	The ER Chaperone LHS1 Is Involved in Asexual Development and Rice Infection by the Blast FungusMagnaporthe oryzaeÂ Â Â. Plant Cell, 2009, 21, 681-695.	6.6	126
24	Cellular and Molecular Analyses of Biotrophic Invasion in Rice Blast Disease. , 2009, , 83-91.		2
25	Genome Organization and Evolution of theAVR-PitaAvirulence Gene Family in theMagnaporthe griseaSpecies Complex. Molecular Plant-Microbe Interactions, 2008, 21, 658-670.	2.6	127
26	Genome-wide functional analysis of pathogenicity genes in the rice blast fungus. Nature Genetics, 2007, 39, 561-565.	21.4	205
27	Filamentous Fungi (Magnaporthe grisea and Fusarium oxysporum). , 2006, 344, 403-420.		55
28	Plant Pathogen Culture Collections: It Takes a Village to Preserve These Resources Vital to the Advancement of Agricultural Security and Plant Pathology. Phytopathology, 2006, 96, 920-925.	2.2	26
29	A dual selection based, targeted gene replacement tool for Magnaporthe grisea and Fusarium oxysporum. Fungal Genetics and Biology, 2005, 42, 483-492.	2.1	129
30	Evolution and Organization of a Highly Dynamic, Subtelomeric Helicase Gene Family in the Rice Blast Fungus Magnaporthe grisea. Genetics, 2002, 162, 103-112.	2.9	45
31	Regulation of cAMP-dependent protein kinase during appressorium formation in Magnaporthe grisea. FEMS Microbiology Letters, 1999, 170, 419-423.	1.8	32