Hye-Seon Kim

List of Publications by Year
in descending order

38 papers	1,803 citations	361045 20 h-index	315357 38 g-index
40 all docs	40 docs citations	40 times ranked	2140 citing authors

#	Article	IF	Citations
1	A two-locus DNA sequence database for typing plant and human pathogens within the Fusarium oxysporum species complex. Fungal Genetics and Biology, 2009, 46, 936-948.	0.9	275
2	Sniffing on Microbes: Diverse Roles of Microbial Volatile Organic Compounds in Plant Health. Molecular Plant-Microbe Interactions, 2013, 26, 835-843.	1.4	269
3	Identification of Deoxynivalenol- and Nivalenol-Producing Chemotypes of Gibberella zeae by Using PCR. Applied and Environmental Microbiology, 2001, 67, 2966-2972.	1.4	161
4	Evolution of structural diversity of trichothecenes, a family of toxins produced by plant pathogenic and entomopathogenic fungi. PLoS Pathogens, 2018, 14, e1006946.	2.1	141
5	Phylogenomic Analysis of a 55.1-kb 19-Gene Dataset Resolves a Monophyletic<i>Fusarium</i>that Includes the<i>Fusarium solani</i>Species Complex. Phytopathology, 2021, 111, 1064-1079.	1.1	107
6	Fusarium Oxysporum Volatiles Enhance Plant Growth Via Affecting Auxin Transport and Signaling. Frontiers in Microbiology, 2015, 6, 1248.	1.5	96
7	Variation in secondary metabolite production potential in the Fusarium incarnatum-equiseti species complex revealed by comparative analysis of 13 genomes. BMC Genomics, 2019, 20, 314.	1.2	68
8	No to <i>Neocosmospora</i> : Phylogenomic and Practical Reasons for Continued Inclusion of the Fusarium solani Species Complex in the Genus <i>Fusarium</i>. MSphere, 2020, 5, .	1.3	61
9	Population Structure of and Mycotoxin Production by Fusarium graminearum from Maize in South Korea. Applied and Environmental Microbiology, 2012, 78, 2161-2167.	1.4	58
10	Polymorphism of trichothecene biosynthesis genes in deoxynivalenol-and nivalenol-producing Fusarium graminearum isolates. Mycological Research, 2003, 107, 190-197.	2.5	54
11	Expression of the Cameleon calcium biosensor in fungi reveals distinct Ca2+ signatures associated with polarized growth, development, and pathogenesis. Fungal Genetics and Biology, 2012, 49, 589-601.	0.9	48
12	DNA Sequence-Based Identification of<i>Fusarium</i>: A Work in Progress. Plant Disease, 2022, 106, 1597-1609.	0.7	48
13	Loss of cAMP-Dependent Protein Kinase A Affects Multiple Traits Important for Root Pathogenesis by <i>Fusarium oxysporum</i>. Molecular Plant-Microbe Interactions, 2011, 24, 719-732.	1.4	44
14	Population genetic structure and mycotoxin potential of the wheat crown rot and head blight pathogen Fusarium culmorum in Algeria. Fungal Genetics and Biology, 2017, 103, 34-41.	0.9	44
15	<i>Fusarium</i> mycotoxins: a trans-disciplinary overview. Canadian Journal of Plant Pathology, 2018, 40, 161-171.	0.8	37
16	Effect of deletion of a trichothecene toxin regulatory gene on the secondary metabolism transcriptome of the saprotrophic fungus Trichoderma arundinaceum. Fungal Genetics and Biology, 2018, 119, 29-46.	0.9	27
17	<i>Fusarium graminearum</i> arabinanase (Arb93B) Enhances Wheat Head Blight Susceptibility by Suppressing Plant Immunity. Molecular Plant-Microbe Interactions, 2019, 32, 888-898.	1.4	27
18	FUSARIUM-ID v.3.0: An Updated, Downloadable Resource for <i>Fusarium</i> Species Identification. Plant Disease, 2022, 106, 1610-1616.	0.7	27

#	ARTICLE	IF	CITATIONS
19	Roles of three Fusarium graminearum membrane Ca2+ channels in the formation of Ca2+ signatures, growth, development, pathogenicity and mycotoxin production. Fungal Genetics and Biology, 2018, 111, 30-46.	0.9	24
20	Identification and distribution of gene clusters required for synthesis of sphingolipid metabolism inhibitors in diverse species of the filamentous fungus Fusarium. BMC Genomics, 2020, 21, 510.	1.2	21
21	Roles of three Fusarium oxysporum calcium ion (Ca2+) channels in generating Ca2+ signatures and controlling growth. Fungal Genetics and Biology, 2015, 82, 145-157.	0.9	19
22	<i>Phytophthora</i> Database 2.0: Update and Future Direction. Phytopathology, 2013, 103, 1204-1208.	1.1	16
23	Role of Trichoderma arundinaceum tri10 in regulation of terpene biosynthetic genes and in control of metabolic flux. Fungal Genetics and Biology, 2019, 122, 31-46.	0.9	16
24	Heterothallic sexual reproduction in three canker-inducing tree pathogens within the Fusarium torreyae species complex. Mycologia, 2018, 110, 710-725.	0.8	14
25	Fusarium xyrophilum, sp. nov., a member of the Fusarium fujikuroi species complex recovered from pseudoflowers on yellow-eyed grass (Xyris spp.) from Guyana. Mycologia, 2020, 112, 39-51.	0.8	14
26	A cytochrome P450 monooxygenase gene required for biosynthesis of the trichothecene toxin harzianum A in Trichoderma. Applied Microbiology and Biotechnology, 2019, 103, 8087-8103.	1.7	13
27	Gain and loss of a transcription factor that regulates late trichothecene biosynthetic pathway genes in Fusarium. Fungal Genetics and Biology, 2020, 136, 103317.	0.9	13
28	Harnessing Chemical Ecology for Environment-Friendly Crop Protection. Phytopathology, 2021, 111, 1697-1710.	1.1	11
29	Distribution, Function, and Evolution of a Gene Essential for Trichothecene Toxin Biosynthesis in Trichoderma. Frontiers in Microbiology, 2021, 12, 791641.	1.5	10
30	Enhanced Resistance to <i>Fusarium graminearum</i> in Transgenic Arabidopsis Plants Expressing a Modified Plant Thionin. Phytopathology, 2020, 110, 1056-1066.	1.1	9
31	Design and validation of a robust multiplex polymerase chain reaction assay for <i>MAT</i> idiomorph within the <i>Fusarium fujikuroi</i> species complex. Mycologia, 2019, 111, 772-781.	0.8	7
32	An endophyte of Macrochloa tenacissima (esparto or needle grass) from Tunisia is a novel species in the Fusarium redolens species complex. Mycologia, 2020, 112, 792-807.	0.8	7
33	<i>Fusarium abutilonis</i>and<i>F. guadeloupense</i>, two novel species in the<i>Fusarium buharicum</i>clade supported by multilocus molecular phylogenetic analyses. Mycologia, 2022, 114, 682-696.	0.8	4
34	Atomic Force Microscopy: A Tool for Studying Biophysical Surface Properties Underpinning Fungal Interactions with Plants and Substrates. Methods in Molecular Biology, 2012, 835, 151-164.	0.4	3
35	Genus-wide analysis of Fusarium polyketide synthases reveals broad chemical potential. Fungal Genetics and Biology, 2022, 160, 103696.	0.9	3
36	Maternal mitochondrial inheritance in two<i>Fusarium</i>pathogens of prickly ash (<i>Zanthoxylum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.8	2

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37	Evaluation of multi-color genetically encoded Ca2+ indicators in filamentous fungi. Fungal Genetics and Biology, 2021, 149, 103540.	0.9	2
38	Time-Lapse Imaging of Root Pathogenesis and Fungal Proliferation Without Physically Disrupting Roots. Methods in Molecular Biology, 2022, 2391, 153-170.	0.4	0