

Hye-Seon Kim

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Time-Lapse Imaging of Root Pathogenesis and Fungal Proliferation Without Physically Disrupting Roots. <i>Methods in Molecular Biology</i> , 2022, 2391, 153-170. | 0.4 | 0 |
| 2 | FUSARIUM-ID v.3.0: An Updated, Downloadable Resource for <i>Fusarium</i> Species Identification. <i>Plant Disease</i> , 2022, 106, 1610-1616. | 0.7 | 27 |
| 3 | DNA Sequence-Based Identification of <i>Fusarium</i> : A Work in Progress. <i>Plant Disease</i> , 2022, 106, 1597-1609. | 0.7 | 48 |
| 4 | Genus-wide analysis of <i>Fusarium</i> polyketide synthases reveals broad chemical potential. <i>Fungal Genetics and Biology</i> , 2022, 160, 103696. | 0.9 | 3 |
| 5 | <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. <i>Mycologia</i> , 2022, 114, 682-696. | 0.8 | 4 |
| 6 | 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. <i>Phytopathology</i> , 2021, 111, 1064-1079. | 1.1 | 107 |
| 7 | Harnessing Chemical Ecology for Environment-Friendly Crop Protection. <i>Phytopathology</i> , 2021, 111, 1697-1710. | 1.1 | 11 |
| 8 | Evaluation of multi-color genetically encoded Ca ²⁺ indicators in filamentous fungi. <i>Fungal Genetics and Biology</i> , 2021, 149, 103540. | 0.9 | 2 |
| 9 | Distribution, Function, and Evolution of a Gene Essential for Trichothecene Toxin Biosynthesis in <i>Trichoderma</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 791641. | 1.5 | 10 |
| 10 | <i>Fusarium xyrophilum</i> , sp. nov., a member of the <i>Fusarium fujikuroi</i> species complex recovered from pseudoflowers on yellow-eyed grass (<i>Xyris</i> spp.) from Guyana. <i>Mycologia</i> , 2020, 112, 39-51. | 0.8 | 14 |
| 11 | Gain and loss of a transcription factor that regulates late trichothecene biosynthetic pathway genes in <i>Fusarium</i> . <i>Fungal Genetics and Biology</i> , 2020, 136, 103317. | 0.9 | 13 |
| 12 | Identification and distribution of gene clusters required for synthesis of sphingolipid metabolism inhibitors in diverse species of the filamentous fungus <i>Fusarium</i> . <i>BMC Genomics</i> , 2020, 21, 510. | 1.2 | 21 |
| 13 | No to <i>Neocosmospora</i> : Phylogenomic and Practical Reasons for Continued Inclusion of the <i>Fusarium solani</i> Species Complex in the Genus <i>Fusarium</i> . <i>MSphere</i> , 2020, 5, . | 1.3 | 61 |
| 14 | An endophyte of <i>Macrochloa tenacissima</i> (esparto or needle grass) from Tunisia is a novel species in the <i>Fusarium redolens</i> species complex. <i>Mycologia</i> , 2020, 112, 792-807. | 0.8 | 7 |
| 15 | Enhanced Resistance to <i>Fusarium graminearum</i> in Transgenic <i>Arabidopsis</i> Plants Expressing a Modified Plant Thionin. <i>Phytopathology</i> , 2020, 110, 1056-1066. | 1.1 | 9 |
| 16 | A cytochrome P450 monooxygenase gene required for biosynthesis of the trichothecene toxin harzianum A in <i>Trichoderma</i> . <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8087-8103. | 1.7 | 13 |
| 17 | Design and validation of a robust multiplex polymerase chain reaction assay for <i>MAT</i> idiomorph within the <i>Fusarium fujikuroi</i> species complex. <i>Mycologia</i> , 2019, 111, 772-781. | 0.8 | 7 |
| 18 | Variation in secondary metabolite production potential in the <i>Fusarium incarnatum-equiseti</i> species complex revealed by comparative analysis of 13 genomes. <i>BMC Genomics</i> , 2019, 20, 314. | 1.2 | 68 |

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|----|--|-----|-----------|
| 19 | Maternal mitochondrial inheritance in two <i>Fusarium</i> pathogens of prickly ash (<i>Zanthoxylum</i>) Tj ETQq1 1 0,784314 rgBT /Ove | 0.8 | 14 |
| 20 | <i>Fusarium graminearum</i> arabinanase (Arb93B) Enhances Wheat Head Blight Susceptibility by Suppressing Plant Immunity. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 888-898. | 1.4 | 27 |
| 21 | Role of <i>Trichoderma arundinaceum</i> tri10 in regulation of terpene biosynthetic genes and in control of metabolic flux. <i>Fungal Genetics and Biology</i> , 2019, 122, 31-46. | 0.9 | 16 |
| 22 | <i>Fusarium</i> mycotoxins: a trans-disciplinary overview. <i>Canadian Journal of Plant Pathology</i> , 2018, 40, 161-171. | 0.8 | 37 |
| 23 | Roles of three <i>Fusarium graminearum</i> membrane Ca ²⁺ channels in the formation of Ca ²⁺ signatures, growth, development, pathogenicity and mycotoxin production. <i>Fungal Genetics and Biology</i> , 2018, 111, 30-46. | 0.9 | 24 |
| 24 | Heterothallic sexual reproduction in three canker-inducing tree pathogens within the <i>Fusarium torreyae</i> species complex. <i>Mycologia</i> , 2018, 110, 710-725. | 0.8 | 14 |
| 25 | Evolution of structural diversity of trichothecenes, a family of toxins produced by plant pathogenic and entomopathogenic fungi. <i>PLoS Pathogens</i> , 2018, 14, e1006946. | 2.1 | 141 |
| 26 | Effect of deletion of a trichothecene toxin regulatory gene on the secondary metabolism transcriptome of the saprotrophic fungus <i>Trichoderma arundinaceum</i> . <i>Fungal Genetics and Biology</i> , 2018, 119, 29-46. | 0.9 | 27 |
| 27 | Population genetic structure and mycotoxin potential of the wheat crown rot and head blight pathogen <i>Fusarium culmorum</i> in Algeria. <i>Fungal Genetics and Biology</i> , 2017, 103, 34-41. | 0.9 | 44 |
| 28 | <i>Fusarium Oxysporum</i> Volatiles Enhance Plant Growth Via Affecting Auxin Transport and Signaling. <i>Frontiers in Microbiology</i> , 2015, 6, 1248. | 1.5 | 96 |
| 29 | Roles of three <i>Fusarium oxysporum</i> calcium ion (Ca ²⁺) channels in generating Ca ²⁺ signatures and controlling growth. <i>Fungal Genetics and Biology</i> , 2015, 82, 145-157. | 0.9 | 19 |
| 30 | <i>Phytophthora</i> Database 2.0: Update and Future Direction. <i>Phytopathology</i> , 2013, 103, 1204-1208. | 1.1 | 16 |
| 31 | Sniffing on Microbes: Diverse Roles of Microbial Volatile Organic Compounds in Plant Health. <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 835-843. | 1.4 | 269 |
| 32 | Population Structure of and Mycotoxin Production by <i>Fusarium graminearum</i> from Maize in South Korea. <i>Applied and Environmental Microbiology</i> , 2012, 78, 2161-2167. | 1.4 | 58 |
| 33 | Expression of the Cameleon calcium biosensor in fungi reveals distinct Ca ²⁺ signatures associated with polarized growth, development, and pathogenesis. <i>Fungal Genetics and Biology</i> , 2012, 49, 589-601. | 0.9 | 48 |
| 34 | Atomic Force Microscopy: A Tool for Studying Biophysical Surface Properties Underpinning Fungal Interactions with Plants and Substrates. <i>Methods in Molecular Biology</i> , 2012, 835, 151-164. | 0.4 | 3 |
| 35 | Loss of cAMP-Dependent Protein Kinase A Affects Multiple Traits Important for Root Pathogenesis by <i>Fusarium oxysporum</i> . <i>Molecular Plant-Microbe Interactions</i> , 2011, 24, 719-732. | 1.4 | 44 |
| 36 | A two-locus DNA sequence database for typing plant and human pathogens within the <i>Fusarium oxysporum</i> species complex. <i>Fungal Genetics and Biology</i> , 2009, 46, 936-948. | 0.9 | 275 |

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|----|--|-----|-----------|
| 37 | Polymorphism of trichothecene biosynthesis genes in deoxynivalenol-and nivalenol-producing <i>Fusarium graminearum</i> isolates. <i>Mycological Research</i> , 2003, 107, 190-197. | 2.5 | 54 |
| 38 | Identification of Deoxynivalenol- and Nivalenol-Producing Chemotypes of <i>Gibberella zeae</i> by Using PCR. <i>Applied and Environmental Microbiology</i> , 2001, 67, 2966-2972. | 1.4 | 161 |