

Xiao-Feng Dai

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,654
citations

257101

24
h-index

301761

39
g-index

48
all docs

48
docs citations

48
times ranked

1411
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Verticillium dahliae</i> manipulates plant immunity by glycoside hydrolase 12 proteins in conjunction with carbohydrate-binding module 1. <i>Environmental Microbiology</i> , 2017, 19, 1914-1932.	1.8	142
2	Genome-wide association study discovered candidate genes of <i>Verticillium</i> wilt resistance in upland cotton (<i>Gossypium hirsutum</i> L.). <i>Plant Biotechnology Journal</i> , 2017, 15, 1520-1532.	4.1	116
3	Chitosan nanoparticles having higher degree of acetylation induce resistance against pearl millet downy mildew through nitric oxide generation. <i>Scientific Reports</i> , 2018, 8, 2485.	1.6	109
4	Comparative genomics reveals cotton-specific virulence factors in flexible genomic regions in <i>Verticillium dahliae</i> and evidence of horizontal gene transfer from <i>Fusarium</i> . <i>New Phytologist</i> , 2018, 217, 756-770.	3.5	91
5	Characterization of the <i>Verticillium dahliae</i> Exoproteome Involves in Pathogenicity from Cotton-Containing Medium. <i>Frontiers in Microbiology</i> , 2016, 7, 1709.	1.5	75
6	Molecular characterization and functional analysis of a specific secreted protein from highly virulent defoliating <i>Verticillium dahliae</i> . <i>Gene</i> , 2013, 529, 307-316.	1.0	67
7	A <i>Verticillium dahliae</i> Extracellular Cutinase Modulates Plant Immune Responses. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 260-273.	1.4	66
8	Genome-wide analysis of the gene families of resistance gene analogues in cotton and their response to <i>Verticillium</i> wilt. <i>BMC Plant Biology</i> , 2015, 15, 148.	1.6	64
9	<i>Verticillium dahliae</i> transcription factor VdFTF1 regulates the expression of multiple secreted virulence factors and is required for full virulence in cotton. <i>Molecular Plant Pathology</i> , 2018, 19, 841-857.	2.0	51
10	Recent developments and applications of hyperspectral imaging for rapid detection of mycotoxins and mycotoxigenic fungi in food products. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 173-180.	5.4	50
11	Endolichenic Fungi: A Hidden Reservoir of Next Generation Biopharmaceuticals. <i>Trends in Biotechnology</i> , 2017, 35, 808-813.	4.9	49
12	The island cotton NBS-LRR gene <i>GbaNA1</i> confers resistance to the non-race 1 <i>Verticillium dahliae</i> isolate Vd991. <i>Molecular Plant Pathology</i> , 2018, 19, 1466-1479.	2.0	48
13	The <i>Gossypium hirsutum</i> TIR-NBS-LRR gene <i>GhDSC1</i> mediates resistance against <i>Verticillium</i> wilt. <i>Molecular Plant Pathology</i> , 2019, 20, 857-876.	2.0	46
14	Functional analyses of small secreted cysteine-rich proteins identified candidate effectors in <i>Verticillium dahliae</i> . <i>Molecular Plant Pathology</i> , 2020, 21, 667-685.	2.0	46
15	Rheological and microstructural properties of wheat flour dough systems added with potato granules. <i>International Journal of Food Properties</i> , 2017, 20, S1145-S1157.	1.3	43
16	Identification and characterization of a pathogenicity-related gene VdCYP1 from <i>Verticillium dahliae</i> . <i>Scientific Reports</i> , 2016, 6, 27979.	1.6	42
17	Interaction of water activity and temperature on the growth, gene expression and aflatoxin production by <i>Aspergillus flavus</i> on paddy and polished rice. <i>Food Chemistry</i> , 2019, 293, 472-478.	4.2	42
18	Population genomics demystifies the defoliation phenotype in the plant pathogen <i>Verticillium dahliae</i> . <i>New Phytologist</i> , 2019, 222, 1012-1029.	3.5	41

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19	Diversity of culture-independent bacteria and antimicrobial activity of culturable endophytic bacteria isolated from different <i>Dendrobium</i> stems. <i>Scientific Reports</i> , 2019, 9, 10389.	1.6	40
20	SNARE-Encoding Genes VdSec22 and VdSso1 Mediate Protein Secretion Required for Full Virulence in <i>Verticillium dahliae</i> . <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 651-664.	1.4	39
21	Heterologous Expression of the Cotton NBS-LRR Gene GbaNA1 Enhances <i>Verticillium</i> Wilt Resistance in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 119.	1.7	36
22	The <i>Verticillium dahliae</i> Sho1- ϵ MAPK pathway regulates melanin biosynthesis and is required for cotton infection. <i>Environmental Microbiology</i> , 2019, 21, 4852-4874.	1.8	36
23	Genome-Wide Identification and Functional Analyses of the CRK Gene Family in Cotton Reveals GbCRK18 Confers <i>Verticillium</i> Wilt Resistance in <i>Gossypium barbadense</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 1266.	1.7	30
24	Behavior of field-applied triadimefon, malathion, dichlorvos, and their main metabolites during barley storage and beer processing. <i>Food Chemistry</i> , 2016, 211, 679-686.	4.2	28
25	Lysin Motif (LysM) Proteins: Interlinking Manipulation of Plant Immunity and Fungi. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3114.	1.8	28
26	The fungicide triadimefon affects beer flavor and composition by influencing <i>Saccharomyces cerevisiae</i> metabolism. <i>Scientific Reports</i> , 2016, 6, 33552.	1.6	19
27	The Complex Essential Oils Highly Control the Toxigenic Fungal Microbiome and Major Mycotoxins During Storage of Maize. <i>Frontiers in Microbiology</i> , 2019, 10, 1643.	1.5	19
28	Screening of pesticide residues in Traditional Chinese Medicines using modified QuEChERS sample preparation procedure and LC-MS/MS analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1152, 122224.	1.2	18
29	A loop-mediated isothermal amplification (LAMP) assay for the rapid detection of toxigenic <i>Fusarium temperatum</i> in maize stalks and kernels. <i>International Journal of Food Microbiology</i> , 2019, 291, 72-78.	2.1	17
30	Cu/Zn superoxide dismutase (VdSOD1) mediates reactive oxygen species detoxification and modulates virulence in <i>Verticillium dahliae</i> . <i>Molecular Plant Pathology</i> , 2021, 22, 1092-1108.	2.0	17
31	Key Insights and Research Prospects at the Dawn of the Population Genomics Era for <i>Verticillium dahliae</i> . <i>Annual Review of Phytopathology</i> , 2021, 59, 31-51.	3.5	16
32	A secreted ribonuclease effector from <i>Verticillium dahliae</i> localizes in the plant nucleus to modulate host immunity. <i>Molecular Plant Pathology</i> , 2022, 23, 1122-1140.	2.0	15
33	The secretome of <i>Verticillium dahliae</i> in collusion with plant defence responses modulates <i>Verticillium</i> wilt symptoms. <i>Biological Reviews</i> , 2022, 97, 1810-1822.	4.7	15
34	Drying kinetics and particle formation of potato powder during spray drying probed by microrheology and single droplet drying. <i>Food Research International</i> , 2019, 116, 483-491.	2.9	12
35	A polyketide synthase from <i>Verticillium dahliae</i> modulates melanin biosynthesis and hyphal growth to promote virulence. <i>BMC Biology</i> , 2022, 20, .	1.7	11
36	Rhizosphere Microbiomes of Potato Cultivated under <i>Bacillus subtilis</i> Treatment Influence the Quality of Potato Tubers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12065.	1.8	10

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37	Transcriptome Analysis of a Cotton Cultivar Provides Insights into the Differentially Expressed Genes Underlying Heightened Resistance to the Devastating Verticillium Wilt. <i>Cells</i> , 2021, 10, 2961.	1.8	9
38	A Simple Mannose-Coated Poly (p-Phenylene Ethynylene) for Qualitative Bacterial Capturing. <i>Molecules</i> , 2018, 23, 2056.	1.7	8
39	Development of a predictive model to determine potato flour content in potato-wheat blended powders using near-infrared spectroscopy. <i>International Journal of Food Properties</i> , 2018, 21, 2030-2036.	1.3	7
40	Effects of dietary intake of potatoes on body weight gain, satiety-related hormones, and gut microbiota in healthy rats. <i>RSC Advances</i> , 2019, 9, 33290-33301.	1.7	7
41	Functional Genomics and Comparative Lineage-Specific Region Analyses Reveal Novel Insights into Race Divergence in <i>Verticillium dahliae</i> . <i>Microbiology Spectrum</i> , 2021, 9, e0111821.	1.2	7
42	Comparative Study of the Nutritional Properties of 67 Potato Cultivars (<i>Solanum tuberosum</i> L.) Grown in China Using the Nutrient-Rich Foods (NRF11.3) Index. <i>Plant Foods for Human Nutrition</i> , 2020, 75, 169-176.	1.4	5
43	Genome Sequences of <i>Verticillium dahliae</i> Defoliating Strain XJ592 and Nondefoliating Strain XJ511. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 565-568.	1.4	5
44	Genome Sequence of <i>Verticillium dahliae</i> Race 1 Isolate VdLs.16 From Lettuce. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 1265-1269.	1.4	4
45	Identification of long non-coding RNAs in <i>Verticillium dahliae</i> following inoculation of cotton. <i>Microbiological Research</i> , 2022, 257, 126962.	2.5	4
46	Biological Characteristics of <i>Verticillium dahliae</i> MAT1-1 and MAT1-2 Strains. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7148.	1.8	2
47	Dynamics of <i>Verticillium dahliae</i> race 1 population under managed agricultural ecosystems. <i>BMC Biology</i> , 2021, 19, 131.	1.7	1
48	Effect of Paclobutrazol on the Physiology and Biochemistry of <i>Ophiopogon japonicus</i> . <i>Agronomy</i> , 2021, 11, 1533.	1.3	1