

Wei Wang

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,218
citations

393982

19
h-index

395343

33
g-index

41
all docs

41
docs citations

41
times ranked

1175
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of chitosan/nano-silica coating on the physicochemical characteristics of longan fruit under ambient temperature. <i>Journal of Food Engineering</i> , 2013, 118, 125-131.	2.7	166
2	Effects of chitosan/nano-silica on postharvest quality and antioxidant capacity of loquat fruit during cold storage. <i>Postharvest Biology and Technology</i> , 2016, 119, 41-48.	2.9	142
3	Systematic Identification, Evolution and Expression Analysis of the Zea mays PHT1 Gene Family Reveals Several New Members Involved in Root Colonization by Arbuscular Mycorrhizal Fungi. <i>International Journal of Molecular Sciences</i> , 2016, 17, 930.	1.8	113
4	Taxonomy and Broad-Spectrum Antifungal Activity of <i>Streptomyces</i> sp. SCA3-4 Isolated From Rhizosphere Soil of <i>Opuntia stricta</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1390.	1.5	74
5	Biocontrol efficacy and possible mechanism of <i>Streptomyces</i> sp. H4 against postharvest anthracnose caused by <i>Colletotrichum fragariae</i> on strawberry fruit. <i>Postharvest Biology and Technology</i> , 2021, 175, 111401.	2.9	56
6	Identification and Functional Characterization of a Maize Phosphate Transporter Induced by Mycorrhiza Formation. <i>Plant and Cell Physiology</i> , 2018, 59, 1683-1694.	1.5	52
7	A Newly Isolated <i>Streptomyces</i> sp. YYS-7 With a Broad-Spectrum Antifungal Activity Improves the Banana Plant Resistance to <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> Tropical Race 4. <i>Frontiers in Microbiology</i> , 2020, 11, 1712.	1.5	45
8	Expression Patterns, Activities and Carbohydrate-Metabolizing Regulation of Sucrose Phosphate Synthase, Sucrose Synthase and Neutral Invertase in Pineapple Fruit during Development and Ripening. <i>International Journal of Molecular Sciences</i> , 2012, 13, 9460-9477.	1.8	38
9	Newly Isolated <i>Streptomyces</i> sp. JBS5-6 as a Potential Biocontrol Agent to Control Banana Fusarium Wilt: Genome Sequencing and Secondary Metabolite Cluster Profiles. <i>Frontiers in Microbiology</i> , 2020, 11, 602591.	1.5	32
10	Identification of Arbuscular Mycorrhiza Fungi Responsive microRNAs and Their Regulatory Network in Maize. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3201.	1.8	29
11	Functional Properties of a Cysteine Proteinase from Pineapple Fruit with Improved Resistance to Fungal Pathogens in <i>Arabidopsis thaliana</i> . <i>Molecules</i> , 2014, 19, 2374-2389.	1.7	28
12	The <sc>LYSIN MOTIF</sc>â€<sc>CONTAINING RECEPTOR</sc>â€<sc>LIKE KINASE</sc> 1 protein of banana is required for perception of pathogenic and symbiotic signals. <i>New Phytologist</i> , 2019, 223, 1530-1546.	3.5	27
13	Biodegradation of lignocellulosic agricultural residues by a newly isolated <i>Fictibacillus</i> sp. YS-26 improving carbon metabolic properties and functional diversity of the rhizosphere microbial community. <i>Bioresource Technology</i> , 2020, 310, 123381.	4.8	27
14	Biological control of banana wilt disease caused by <i>Fusarium oxysporum</i> f. sp. <i>Cubense</i> using <i>Streptomyces</i> sp. H4. <i>Biological Control</i> , 2021, 155, 104524.	1.4	27
15	Proteomic analysis reveals large amounts of decomposition enzymes and major metabolic pathways involved in algicidal process of <i>Trametes versicolor</i> F21a. <i>Scientific Reports</i> , 2017, 7, 3907.	1.6	25
16	Identification and evaluation of two diagnostic markers linked to <i>Fusarium</i> wilt resistance (race 4) in banana (<i>Musa</i> spp.). <i>Molecular Biology Reports</i> , 2012, 39, 451-459.	1.0	24
17	Functional analysis of chimeric lysin motif domain receptors mediating Nod factorâ€induced defense signaling in <i><sc>A</sc>rabis thaliana</i> and chitinâ€induced nodulation signaling in <i><sc>L</sc>otus japonicus</i>. <i>Plant Journal</i> , 2014, 78, 56-69.	2.8	23
18	Identification of Long Non-Coding RNAs and the Regulatory Network Responsive to Arbuscular Mycorrhizal Fungi Colonization in Maize Roots. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4491.	1.8	22

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19	A Novel Antifungal Actinomycete <i>Streptomyces</i> sp. Strain H3-2 Effectively Controls Banana Fusarium Wilt. <i>Frontiers in Microbiology</i> , 2021, 12, 706647.	1.5	21
20	Electrochemical Determination of Tert-Butyl Hydroquinone in Edible Oil Samples at Poly (Crystal) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.3	20
21	<i>Acetobacter orientalis</i> XJC-C with a high lignocellulosic biomass-degrading ability improves significantly composting efficiency of banana residues by increasing metabolic activity and functional diversity of bacterial community. <i>Bioresource Technology</i> , 2021, 324, 124661.	4.8	20
22	Integration of UV-C with antagonistic yeast treatment for controlling post-harvest disease and maintaining fruit quality of <i>Ananas comosus</i> . <i>BioControl</i> , 2016, 61, 591-603.	0.9	19
23	Genome-wide characterization of a SRO gene family involved in response to biotic and abiotic stresses in banana (<i>Musa</i> spp.). <i>BMC Plant Biology</i> , 2019, 19, 211.	1.6	18
24	Anti-Foc RT4 Activity of a Newly Isolated <i>Streptomyces</i> sp. 5â€“10 From a Medicinal Plant (<i>Curculigo</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.5	18
25	Biocontrol potential of a newly isolated <i>Streptomyces</i> sp. HSL-9B from mangrove forest on postharvest anthracnose of mango fruit caused by <i>Colletotrichum gloeosporioides</i> . <i>Food Control</i> , 2022, 135, 108836.	2.8	17
26	Physico-chemical properties of longan fruit during development and ripening. <i>Scientia Horticulturae</i> , 2016, 207, 160-167.	1.7	16
27	Metabolic responses of <i>Beauveria bassiana</i> to hydrogen peroxide-induced oxidative stress using an LC-MS-based metabolomics approach. <i>Journal of Invertebrate Pathology</i> , 2016, 137, 1-9.	1.5	15
28	The M35 Metalloprotease Effector FocM35_1 Is Required for Full Virulence of <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> Tropical Race 4. <i>Pathogens</i> , 2021, 10, 670.	1.2	14
29	Identification of defense-related genes in banana roots infected by <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> tropical race 4. <i>Euphytica</i> , 2015, 205, 837-849.	0.6	13
30	Biological Control of <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> Tropical Race 4 in Banana Plantlets Using Newly Isolated <i>Streptomyces</i> sp. WHL7 from Marine Soft Coral. <i>Plant Disease</i> , 2022, 106, 254-259.	0.7	13
31	OsPIN1a Gene Participates in Regulating Negative Phototropism of Rice Roots. <i>Rice Science</i> , 2014, 21, 83-89.	1.7	10
32	Isolation and Evaluation of Rhizosphere Actinomycetes With Potential Application for Biocontrolling Fusarium Wilt of Banana Caused by <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> Tropical Race 4. <i>Frontiers in Microbiology</i> , 2021, 12, 763038.	1.5	8
33	<i>Flammeovirga agarivorans</i> sp. nov., an agar-digesting marine bacterium isolated from surface seawater. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 6060-6066.	0.8	8
34	Biocontrol Ability and Mechanism of a Broad-Spectrum Antifungal Strain <i>Bacillus safensis</i> sp. QN1NO-4 Against Strawberry Anthracnose Caused by <i>Colletotrichum fragariae</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 735732.	1.5	7
35	Identification and Antifungal Mechanism of a Novel Actinobacterium <i>Streptomyces huiliensis</i> sp. nov. Against <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> Tropical Race 4 of Banana. <i>Frontiers in Microbiology</i> , 2021, 12, 722661.	1.5	7
36	Improvement of <i>Lotus japonicus</i> hairy root induction and development of a mycorrhizal symbiosis system. <i>Applications in Plant Sciences</i> , 2018, 6, e1141.	0.8	6

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37	FocECM33, a GPI-anchored protein, regulates vegetative growth and virulence in <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> tropical race 4. <i>Fungal Biology</i> , 2022, 126, 213-223.	1.1	5
38	Genome-wide analysis of HAK/KUP/KT potassium transporter genes in banana (<i>Musa acuminata</i> L.) and their tissue-specific expression profiles under potassium stress. <i>Plant Growth Regulation</i> , 2022, 97, 51-60.	1.8	5
39	Effects of exogenous plant hormones on sugar accumulation and related enzyme activities during the development of longan (<i>Dimocarpus Longan</i> Lour.) fruits. <i>Journal of Horticultural Science and Biotechnology</i> , 2019, 94, 790-797.	0.9	4
40	Potential Biological Control of Endophytic <i>Streptomyces</i> sp. 5-4 Against <i>Fusarium</i> Wilt of Banana Caused by <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> Tropical Race 4. <i>Phytopathology</i> , 2022, 112, 1877-1885.	1.1	4