

# Jianghui Xie

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,100  
citations

471509

17  
h-index

477307

29  
g-index

46  
all docs

46  
docs citations

46  
times ranked

920  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.4	13
2	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.	2.5	5
3	Analyses of key gene networks controlling carotenoid metabolism in Xiangfen 1 banana. <i>BMC Plant Biology</i> , 2022, 22, 34.	3.6	9
4	Biocontrol potential and antifungal mechanism of a novel <i>Streptomyces sichuanensis</i> against <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> tropical race 4 in vitro and in vivo. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 1633-1649.	3.6	11
5	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.	3.4	5
6	Potential Biological Control of Endophytic <i>Streptomyces</i> sp. 5-4 Against <i>Fusarium Wilt</i> of Banana Caused by <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> Tropical Race 4. <i>Phytopathology</i> , 2022, 112, 1877-1885.	2.2	4
7	Integrative Analysis of the Coloring Mechanism of Red Longan Pericarp through Metabolome and Transcriptome Analyses. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 1806-1815.	5.2	66
8	<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.	9.6	20
9	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.	3.0	27
10	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.	2.8	14
11	Allele-defined genome reveals biallelic differentiation during cassava evolution. <i>Molecular Plant</i> , 2021, 14, 851-854.	8.3	20
12	A Novel Antifungal Actinomycete <i>Streptomyces</i> sp. Strain H3-2 Effectively Controls Banana <i>Fusarium Wilt</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 706647.	3.5	21
13	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.	3.5	7
14	Isolation and Evaluation of Rhizosphere Actinomycetes With Potential Application for Biocontrolling <i>Fusarium Wilt</i> of Banana Caused by <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> Tropical Race 4. <i>Frontiers in Microbiology</i> , 2021, 12, 763038.	3.5	8
15	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.	3.5	7
16	Resequencing of 388 cassava accessions identifies valuable loci and selection for variation in heterozygosity. <i>Genome Biology</i> , 2021, 22, 316.	8.8	15
17	Stimulation of photosynthesis and enhancement of growth and yield in <i>Arabidopsis thaliana</i> treated with amine-functionalized mesoporous silica nanoparticles. <i>Plant Physiology and Biochemistry</i> , 2020, 156, 566-577.	5.8	19
18	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.	3.5	45

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19	Nutritional component changes in Xiangfen 1 banana at different developmental stages. <i>Food and Function</i> , 2020, 11, 8286-8296.	4.6	14
20	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.	3.5	32
21	Fermentation optimization and disease suppression ability of a <i>Streptomyces</i> sp. FS-4 from banana rhizosphere soil. <i>BMC Microbiology</i> , 2020, 20, 24.	3.3	20
22	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.	9.6	27
23	Anti-Foc RT4 Activity of a Newly Isolated <i>Streptomyces</i> sp. 5â€“10 From a Medicinal Plant ( <i>Curculigo</i> ) Tj ETQq1 1 0,784314 rBT /Overl	3.5	18
24	<i>Musa balbisiana</i> genome reveals subgenome evolution and functional divergence. <i>Nature Plants</i> , 2019, 5, 810-821.	9.3	132
25	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.	1.9	4
26	Transcriptome analysis of atemoya pericarp elucidates the role of polysaccharide metabolism in fruit ripening and cracking after harvest. <i>BMC Plant Biology</i> , 2019, 19, 219.	3.6	38
27	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.	3.5	74
28	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.	3.6	18
29	The LYSIN MOTIF-CONTAINING RECEPTOR-LIKE KINASE 1 protein of banana is required for perception of pathogenic and symbiotic signals. <i>New Phytologist</i> , 2019, 223, 1530-1546.	7.3	27
30	Comprehensive analysis of the longan transcriptome reveals distinct regulatory programs during the floral transition. <i>BMC Genomics</i> , 2019, 20, 126.	2.8	21
31	Optimization extraction and functional properties of soluble dietary fiber from pineapple pomace obtained by shear homogenization-assisted extraction. <i>RSC Advances</i> , 2018, 8, 41117-41130.	3.6	25
32	Genome-Wide Identification and Analysis of U-Box E3 Ubiquitin-Protein Ligase Gene Family in Banana. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3874.	4.1	30
33	Identification of WRKY Gene Family from <i>Dimocarpus longan</i> and Its Expression Analysis during Flower Induction and Abiotic Stress Responses. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2169.	4.1	38
34	The Ubiquitin-Conjugating Enzyme Gene Family in Longan ( <i>Dimocarpus longan</i> Lour.): Genome-Wide Identification and Gene Expression during Flower Induction and Abiotic Stress Responses. <i>Molecules</i> , 2018, 23, 662.	3.8	16
35	Identification and characterization of miRNA169 family members in banana ( <i>Musa acuminata</i> L.) that respond to <i>fusarium oxysporum</i> f. sp. <i>cubense</i> infection in banana cultivars. <i>PeerJ</i> , 2018, 6, e6209.	2.0	19
36	Growth Promotion and Disease Suppression Ability of a <i>Streptomyces</i> sp. CB-75 from Banana Rhizosphere Soil. <i>Frontiers in Microbiology</i> , 2017, 8, 2704.	3.5	87

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37	Metabolism of Flavonoids in Novel Banana Germplasm during Fruit Development. <i>Frontiers in Plant Science</i> , 2016, 7, 1291.	3.6	12
38	Genome-wide identification and expression profiling reveal tissue-specific expression and differentially-regulated genes involved in gibberellin metabolism between Williams banana and its dwarf mutant. <i>BMC Plant Biology</i> , 2016, 16, 123.	3.6	26
39	Genome-wide analysis of the DNA-binding with one zinc finger (Dof) transcription factor family in bananas. <i>Genome</i> , 2016, 59, 1085-1100.	2.0	25
40	The banana E2 gene family: Genomic identification, characterization, expression profiling analysis. <i>Plant Science</i> , 2016, 245, 11-24.	3.6	16
41	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.	1.2	13
42	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.	3.8	28
43	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.	2.3	24