

Mu-Qing Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8683408/publications.pdf>

Version: 2024-02-01

88
papers

1,771
citations

304743

22
h-index

345221

36
g-index

94
all docs

94
docs citations

94
times ranked

1267
citing authors

#	ARTICLE	IF	CITATIONS
1	Predication of the Effector Proteins Secreted by <i>Fusarium sacchari</i> Using Genomic Analysis and Heterogenous Expression. <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 59.	3.5	18
2	Chromosome-specific painting unveils chromosomal fusions and distinct allopolyploid species in the <i>Saccharum</i> complex. <i>New Phytologist</i> , 2022, 233, 1953-1965.	7.3	19
3	An insight to rhizosphere bacterial community composition and structure of consecutive winter-initiated sugarcane ratoon crop in Southern China. <i>BMC Plant Biology</i> , 2022, 22, 74.	3.6	13
4	ScGAIL, a sugarcane N-terminal truncated DELLA-like protein, participates in gibberellin signaling in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2022, 73, 3462-3476.	4.8	8
5	Authenticity Identification of <i>Saccharum officinarum</i> and <i>Saccharum spontaneum</i> Germplasm Materials. <i>Agronomy</i> , 2022, 12, 819.	3.0	2
6	Untangling the Rhizosphere Bacterial Community Composition and Response of Soil Physiochemical Properties to Different Nitrogen Applications in Sugarcane Field. <i>Frontiers in Microbiology</i> , 2022, 13, 856078.	3.5	11
7	Sequence analysis of <i>Erianthus arundinaceus</i> chromosome 1 isolated by flow sorting after genomic in situ hybridization in suspension. <i>Crop Journal</i> , 2022, , .	5.2	0
8	Banana <i>Fusarium</i> Wilt Disease Detection by Supervised and Unsupervised Methods from UAV-Based Multispectral Imagery. <i>Remote Sensing</i> , 2022, 14, 1231.	4.0	23
9	Sugarcane Nitrogen Concentration and Irrigation Level Prediction Based on UAV Multispectral Imagery. <i>Sensors</i> , 2022, 22, 2711.	3.8	6
10	Quantitative estimating nutrient uptake requirements for sugarcane based on QUEFTS model in China. <i>Journal of Plant Nutrition</i> , 2022, 45, 1504-1515.	1.9	0
11	RNA Interference: Promising Approach to Combat Plant Viruses. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5312.	4.1	22
12	Diversity Chromosome Evolution of Ty1-copia Retrotransposons in <i>Pennisetum purpureum</i> Revealed by FISH. <i>Agronomy</i> , 2022, 12, 1312.	3.0	0
13	Key Role of Heat Shock Protein Expression Induced by Ampicillin in Citrus Defense against Huanglongbing: A Transcriptomics Study. <i>Agronomy</i> , 2022, 12, 1356.	3.0	2
14	Genomic insights into the recent chromosome reduction of autopolyploid sugarcane <i>Saccharum spontaneum</i> . <i>Nature Genetics</i> , 2022, 54, 885-896.	21.4	33
15	Repetitive Sequence Barcode Probe for Karyotype Analysis in <i>Triplidium arundinaceum</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 6726.	4.1	1
16	Photosynthetic characterization and expression profiles of sugarcane infected by Sugarcane mosaic virus (SCMV). <i>Photosynthesis Research</i> , 2021, 150, 279-294.	2.9	11
17	Evolutionary expansion and functional divergence of sugar transporters in <i>Saccharum</i> (<i>S.</i>) <i>Tj</i> ETQq1 1 0.784314 rgBT /Overbo	3.7	20
18	Considerations regarding centromere assembly in plant whole-genome sequencing. <i>Methods</i> , 2021, 187, 54-56.	3.8	5

#	ARTICLE	IF	CITATIONS
19	Field Evaluation of Chemotherapy on HLB-Affected Citrus Trees With Emphasis on Fruit Yield and Quality. <i>Frontiers in Plant Science</i> , 2021, 12, 611287.	3.6	7
20	The formation and evolution of centromeric satellite repeats in <i>Saccharum</i> species. <i>Plant Journal</i> , 2021, 106, 616-629.	5.7	24
21	Interactions between ScNAC23 and ScGAI regulate GA-mediated flowering and senescence in sugarcane. <i>Plant Science</i> , 2021, 304, 110806.	3.6	15
22	Selective Interaction of Sugarcane eIF4E with VPgs from Sugarcane Mosaic Pathogens. <i>Viruses</i> , 2021, 13, 518.	3.3	10
23	First Report of Stalk Bacterial Soft Rot of Sugarcane Caused by <i>Dickeya zeae</i> in China. <i>Plant Disease</i> , 2021, 105, 1188-1188.	1.4	3
24	Precise high-throughput online near-infrared spectroscopy assay to determine key cell wall features associated with sugarcane bagasse digestibility. <i>Biotechnology for Biofuels</i> , 2021, 14, 123.	6.2	9
25	Genome-wide identification and expression profiling of DREB genes in <i>Saccharum spontaneum</i> . <i>BMC Genomics</i> , 2021, 22, 456.	2.8	20
26	A high-quality genome assembly of <i>Morinda officinalis</i> , a famous native southern herb in the Lingnan region of southern China. <i>Horticulture Research</i> , 2021, 8, 135.	6.3	17
27	A systematic high-throughput phenotyping assay for sugarcane stalk quality characterization by near-infrared spectroscopy. <i>Plant Methods</i> , 2021, 17, 76.	4.3	11
28	Fungal deterioration of the bagasse storage from the harvested sugarcane. <i>Biotechnology for Biofuels</i> , 2021, 14, 152.	6.2	4
29	Genome-wide analysis of R2R3-MYB transcription factors family in the autopolyploid <i>Saccharum spontaneum</i> : an exploration of dominance expression and stress response. <i>BMC Genomics</i> , 2021, 22, 622.	2.8	20
30	High-Quality Genome Sequence Resource for <i>Fusarium andiyazi</i> Causing Pokkah Boeng Disease of Sugarcane in China. <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, MPMI-11-20-0331.	2.6	2
31	Investigation of soil nutrients and associated rhizobacterial communities in different sugarcane genotypes in relation to sugar content. <i>Chemical and Biological Technologies in Agriculture</i> , 2021, 8, .	4.6	11
32	Comparative Analysis of Sugar Metabolites and Their Transporters in Sugarcane Following Sugarcane mosaic virus (SCMV) Infection. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13574.	4.1	10
33	Comparison and analysis of tomato flavor compounds using different extraction methods. <i>Journal of Food Measurement and Characterization</i> , 2020, 14, 465-475.	3.2	25
34	Characterization of a <i>Saccharum spontaneum</i> with a basic chromosome number of $x=10$ provides new insights on genome evolution in genus <i>Saccharum</i> . <i>Theoretical and Applied Genetics</i> , 2020, 133, 187-199.	3.6	42
35	Genome-wide identification and expression analysis of AP2/ERF transcription factors in sugarcane (<i>Saccharum spontaneum</i> L.). <i>BMC Genomics</i> , 2020, 21, 685.	2.8	44
36	Sugarcane for bioethanol production: Potential of bagasse in Chinese perspective. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 133, 110296.	16.4	54

#	ARTICLE	IF	CITATIONS
37	Gene expression profiling of reactive oxygen species (ROS) and antioxidant defense system following Sugarcane mosaic virus (SCMV) infection. BMC Plant Biology, 2020, 20, 532.	3.6	19
38	Field Evaluation of New Promising Sugarcane Cultivars for Cold Tolerance in Guangxi, China. Sugar Tech, 2020, 22, 1007-1017.	1.8	2
39	Response of Soil Fungal Community to Drought-Resistant Ea-DREB2B Transgenic Sugarcane. Frontiers in Microbiology, 2020, 11, 562775.	3.5	10
40	Comparative analysis of sucrose phosphate synthase (SPS) gene family between Saccharum officinarum and Saccharum spontaneum. BMC Plant Biology, 2020, 20, 422.	3.6	27
41	Effects of Drought-Tolerant Ea-DREB2B Transgenic Sugarcane on Bacterial Communities in Soil. Frontiers in Microbiology, 2020, 11, 704.	3.5	29
42	Development and Evaluation of SSR Markers Based on Large Scale Full-Length Transcriptome Sequencing in Sugarcane. Tropical Plant Biology, 2020, 13, 343-352.	1.9	5
43	Genome Sequence of Phoma sorghina var. saccharum That Causes Sugarcane Twisted Leaf Disease in China. Molecular Plant-Microbe Interactions, 2020, 33, 1092-1094.	2.6	1
44	First Report of <i>Fusarium sacchari</i> That Causes Sugarcane Wilt Disease in China. Plant Disease, 2020, 104, 2289-2289.	1.4	7
45	Virome Identification and Characterization of <i>Fusarium sacchari</i> and <i>F. andiyazi</i> : Causative Agents of Pokkah Boeng Disease in Sugarcane. Frontiers in Microbiology, 2020, 11, 240.	3.5	18
46	A flow cytometry-based analysis to establish a cell cycle synchronization protocol for <i>Saccharum</i> spp.. Scientific Reports, 2020, 10, 5016.	3.3	5
47	Photosynthesis-related protein expression in sugarcane during sugarcane- <i>Fusarium verticillioides</i> interaction revealed by iTRAQ. Plant Growth Regulation, 2020, 91, 237-248.	3.4	3
48	Metabolic and proteomic analysis of nitrogen metabolism mechanisms involved in the sugarcane - <i>Fusarium verticillioides</i> interaction. Journal of Plant Physiology, 2020, 251, 153207.	3.5	7
49	Transcriptomic analysis reveals root metabolic alteration and induction of huanglongbing resistance by sulphonamide antibiotics in huanglongbing-affected citrus plants. Plant Pathology, 2020, 69, 733-743.	2.4	9
50	First Report of <i>Fusarium andiyazi</i> Causing Sugarcane Pokkah Boeng Disease in China. Plant Disease, 2020, 104, 286-286.	1.4	9
51	Evolution and Expression Analysis of Starch Synthase Gene Families in <i>Saccharum spontaneum</i> . Tropical Plant Biology, 2019, 12, 158-173.	1.9	12
52	Chromosome transmission in BC4 progenies of intergeneric hybrids between <i>Saccharum</i> spp. and <i>Erianthus arundinaceus</i> (Retz.) Jeswiet. Scientific Reports, 2019, 9, 2528.	3.3	10
53	Molecular characterization of carbendazim resistance of <i>Fusarium</i> species complex that causes sugarcane pokkah boeng disease. BMC Genomics, 2019, 20, 115.	2.8	26
54	Transcriptomic characterization and potential marker development of contrasting sugarcane cultivars. Scientific Reports, 2018, 8, 1683.	3.3	46

#	ARTICLE	IF	CITATIONS
55	First Report of <i>Fusarium commune</i> Causing Root Rot Disease of Sugarcane (var. Badila) in China. <i>Plant Disease</i> , 2018, 102, 1660.	1.4	15
56	Antimicrobial Compounds Effective against Candidatus <i>Liberibacter asiaticus</i> Discovered via Graft-based Assay in Citrus. <i>Scientific Reports</i> , 2018, 8, 17288.	3.3	14
57	A new method based on SNP of nrDNA-ITS to identify <i>Saccharum spontaneum</i> and its progeny in the genus <i>Saccharum</i> . <i>PLoS ONE</i> , 2018, 13, e0197458.	2.5	12
58	Sugarcane Production in China. , 2018, , .		19
59	Quantitative evaluation of variation in defoliation traits among sugarcane genotypes. <i>PLoS ONE</i> , 2018, 13, e0196071.	2.5	3
60	Characterization of chromosome composition of sugarcane in nobilization by using genomic in situ hybridization. <i>Molecular Cytogenetics</i> , 2018, 11, 35.	0.9	15
61	Field Evaluation of Integrated Management for Mitigating Citrus Huanglongbing in Florida. <i>Frontiers in Plant Science</i> , 2018, 9, 1890.	3.6	34
62	Field Performance of Transgenic Sugarcane Lines Resistant to Sugarcane Mosaic Virus. <i>Frontiers in Plant Science</i> , 2017, 8, 104.	3.6	33
63	Characterization, Genomic Organization, Abundance, and Chromosomal Distribution of Ty1-copia Retrotransposons in <i>Erianthus arundinaceus</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 924.	3.6	10
64	Deciphering the transcriptomic response of <i>Fusarium verticillioides</i> in relation to nitrogen availability and the development of sugarcane pokkah boeng disease. <i>Scientific Reports</i> , 2016, 6, 29692.	3.3	23
65	Mitigating citrus huanglongbing via effective application of antimicrobial compounds and thermotherapy. <i>Crop Protection</i> , 2016, 84, 150-158.	2.1	29
66	First Report of <i>Fusarium oxysporum</i> Isolate gx3 Causing Sugarcane Pokkah Boeng in Guangxi of China. <i>Plant Disease</i> , 2016, 100, 1785-1785.	1.4	9
67	Deciphering the Bacterial Microbiome in Huanglongbing-Affected Citrus Treated with Thermotherapy and Sulfonamide Antibiotics. <i>PLoS ONE</i> , 2016, 11, e0155472.	2.5	33
68	Characterization of Chromosome Inheritance of the Intergeneric BC2 and BC3 Progeny between <i>Saccharum</i> spp. and <i>Erianthus arundinaceus</i> . <i>PLoS ONE</i> , 2015, 10, e0133722.	2.5	25
69	Identification and Characterization of a New Fungal Pathogen Causing Twisted Leaf Disease of Sugarcane in China. <i>Plant Disease</i> , 2015, 99, 325-332.	1.4	19
70	Phosphomannose isomerase affects the key enzymes of glycolysis and sucrose metabolism in transgenic sugarcane overexpressing the manA gene. <i>Molecular Breeding</i> , 2015, 35, 100.	2.1	6
71	Effective selection and regeneration of transgenic sugarcane plants using positive selection system. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2015, 51, 52-61.	2.1	12
72	Antimicrobial Nanoemulsion Formulation with Improved Penetration of Foliar Spray through Citrus Leaf Cuticles to Control Citrus Huanglongbing. <i>PLoS ONE</i> , 2015, 10, e0133826.	2.5	45

#	ARTICLE	IF	CITATIONS
73	Unexpected Inheritance Pattern of <i>Erianthus arundinaceus</i> Chromosomes in the Intergeneric Progeny between <i>Saccharum</i> spp. and <i>Erianthus arundinaceus</i> . <i>PLoS ONE</i> , 2014, 9, e110390.	2.5	31
74	Function Analysis of Sugarcane A20/AN1 Zinc Finger Protein Gene <i>ShSAP1</i> in Transgenic Tobacco. <i>Crop Science</i> , 2014, 54, 2724-2734.	1.8	5
75	Species-Specific Detection and Identification of <i>Fusarium</i> Species Complex, the Causal Agent of Sugarcane Pokkah Boeng in China. <i>PLoS ONE</i> , 2014, 9, e104195.	2.5	70
76	Effective Antibiotics against <i>Candidatus Liberibacter asiaticus</i> ™ in HLB-Affected Citrus Plants Identified via the Graft-Based Evaluation. <i>PLoS ONE</i> , 2014, 9, e111032.	2.5	95
77	Characterization of the microbial community structure in <i>Candidatus Liberibacter asiaticus</i> -infected citrus plants treated with antibiotics in the field. <i>BMC Microbiology</i> , 2013, 13, 112.	3.3	42
78	Heat Treatment Eliminates <i>Candidatus Liberibacter asiaticus</i> ™ from Infected Citrus Trees Under Controlled Conditions. <i>Phytopathology</i> , 2013, 103, 15-22.	2.2	119
79	Deciphering the Bacterial Microbiome of Citrus Plants in Response to <i>Candidatus Liberibacter asiaticus</i> ™-Infection and Antibiotic Treatments. <i>PLoS ONE</i> , 2013, 8, e76331.	2.5	31
80	A Graft-Based Chemotherapy Method for Screening Effective Molecules and Rescuing Huanglongbing-Affected Citrus Plants. <i>Phytopathology</i> , 2012, 102, 567-574.	2.2	53
81	Differential Protein Expression in Sugarcane during Sugarcane- <i>Sporisorium scitamineum</i> Interaction Revealed by 2-DE and MALDI-TOF-TOF/MS. <i>Comparative and Functional Genomics</i> , 2011, 2011, 1-10.	2.0	39
82	Chemical Compounds Effective Against the Citrus Huanglongbing Bacterium <i>Candidatus Liberibacter asiaticus</i> ™ In Planta. <i>Phytopathology</i> , 2011, 101, 1097-1103.	2.2	89
83	Analysis of Disequilibrium Hybridization in Hybrid and Backcross Progenies of <i>Saccharum officinarum</i> × <i>Erianthus arundinaceus</i> . <i>Agricultural Sciences in China</i> , 2010, 9, 1271-1277.	0.6	7
84	Screening Molecules for Control of Citrus Huanglongbing Using an Optimized Regeneration System for <i>Candidatus Liberibacter asiaticus</i> ™-Infected Periwinkle (<i>Catharanthus roseus</i>) Cuttings. <i>Phytopathology</i> , 2010, 100, 239-245.	2.2	53
85	Molecular marker application in sugarcane. <i>Sugar Tech</i> , 2004, 6, 251-259.	1.8	4
86	<i>Fusarium</i> Species Complex Causing Pokkah Boeng in China. , 0, , .		4
87	The alleviation of manganese toxicity by ammonium in sugarcane is related to pectin content, pectin methyl esterification, and nitric oxide. <i>GCB Bioenergy</i> , 0, , .	5.6	2
88	Devious Phloem Intruder <i>Candidatus Liberibacter</i> Species Causing Huanglongbing: History, Symptoms, Mechanism, and Current Strategies. , 0, , .		0