

Xin-Zhong Cai

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

756
citations

687363

13
h-index

610901

24
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all docs

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docs citations

25
times ranked

802
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclic nucleotide gated channel gene family in tomato: genome-wide identification and functional analyses in disease resistance. <i>Frontiers in Plant Science</i> , 2015, 06, 303.	3.6	102
2	Calcium-dependent protein kinase (CDPK) and CDPK-related kinase (CRK) gene families in tomato: genome-wide identification and functional analyses in disease resistance. <i>Molecular Genetics and Genomics</i> , 2016, 291, 661-676.	2.1	92
3	Phylogeny and evolution of plant cyclic nucleotide-gated ion channel (CNGC) gene family and functional analyses of tomato CNGCs. <i>DNA Research</i> , 2015, 22, 471-483.	3.4	81
4	Brassica napus Genome Possesses Extraordinary High Number of CAMTA Genes and CAMTA3 Contributes to PAMP Triggered Immunity and Resistance to <i>Sclerotinia sclerotiorum</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 581.	3.6	71
5	Phylogeny of Plant Calcium and Calmodulin-Dependent Protein Kinases (CCaMKs) and Functional Analyses of Tomato CCaMK in Disease Resistance. <i>Frontiers in Plant Science</i> , 2015, 6, 1075.	3.6	67
6	Genome-Wide Identification of Dicer-Like, Argonaute, and RNA-Dependent RNA Polymerase Gene Families in Brassica Species and Functional Analyses of Their Arabidopsis Homologs in Resistance to <i>Sclerotinia sclerotiorum</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1614.	3.6	56
7	Tight regulation of the interaction between Brassica napus and <i>Sclerotinia sclerotiorum</i> at the microRNA level. <i>Plant Molecular Biology</i> , 2016, 92, 39-55.	3.9	52
8	Development of a Virus-Induced Gene-Silencing System for Functional Analysis of the RPS2-Dependent Resistance Signalling Pathways in Arabidopsis. <i>Plant Molecular Biology</i> , 2006, 62, 223-232.	3.9	46
9	TMT-based quantitative proteomics analyses reveal novel defense mechanisms of Brassica napus against the devastating necrotrophic pathogen <i>Sclerotinia sclerotiorum</i> . <i>Journal of Proteomics</i> , 2016, 143, 265-277.	2.4	27
10	SICNGC1 and SICNGC14 Suppress <i>Xanthomonas oryzae</i> pv. <i>oryzicola</i> -Induced Hypersensitive Response and Non-host Resistance in Tomato. <i>Frontiers in Plant Science</i> , 2018, 9, 285.	3.6	22
11	<i>Cladosporium fulvum</i> CfHNN1 induces hypersensitive necrosis, defence gene expression and disease resistance in both host and nonhost plants. <i>Plant Molecular Biology</i> , 2007, 64, 89-101.	3.9	20
12	Glycolate oxidase gene family in <i>Nicotiana benthamiana</i> : genome-wide identification and functional analyses in disease resistance. <i>Scientific Reports</i> , 2018, 8, 8615.	3.3	15
13	Characterization of tomato protein kinases embedding guanylate cyclase catalytic center motif. <i>Scientific Reports</i> , 2020, 10, 4078.	3.3	15
14	Artificial <i>Agrobacterium tumefaciens</i> strains exhibit diverse mechanisms to repress <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> -induced hypersensitive response and non-host resistance in <i>Nicotiana benthamiana</i> . <i>Molecular Plant Pathology</i> , 2017, 18, 489-502.	4.2	14
15	Leaf stage-associated resistance is correlated with phytohormones in a pathosystem-dependent manner. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 703-722.	8.5	14
16	Hydrogen peroxide is indispensable to <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> -induced hypersensitive response and nonhost resistance in <i>Nicotiana benthamiana</i> . <i>Australasian Plant Pathology</i> , 2015, 44, 611-617.	1.0	13
17	Phi Class of Glutathione S-transferase Gene Superfamily Widely Exists in Nonplant Taxonomic Groups. <i>Evolutionary Bioinformatics</i> , 2016, 12, EBO.S35909.	1.2	13
18	Transcriptional and posttranscriptional regulation of the tomato leaf mould disease resistance gene Cf-9. <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 163-167.	2.1	8

#	ARTICLE	IF	CITATIONS
19	Ubiquitin Extension Protein UEP1 Modulates Cell Death and Resistance to Various Pathogens in Tobacco. <i>Phytopathology</i> , 2019, 109, 1257-1269.	2.2	6
20	Integrated miRNAome and Transcriptome Analysis Reveals Argonaute 2-Mediated Defense Responses Against the Devastating Phytopathogen <i>Sclerotinia sclerotiorum</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 500.	3.6	6
21	Transcript profiling for Avr4/Cf-4- and Avr9/Cf-9-dependent defence gene expression. <i>European Journal of Plant Pathology</i> , 2008, 122, 307-314.	1.7	5
22	Efficiency for Gene Silencing Induction in <i>Nicotiana</i> Species by a Viral Satellite DNA Vector. <i>Journal of Integrative Plant Biology</i> , 2007, 49, 1726-1733.	8.5	4
23	OsASR6 Alleviates Rice Resistance to <i>Xanthomonas oryzae</i> via Transcriptional Suppression of OsCIPK15. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6622.	4.1	4
24	Genome-Wide Identification of Rapid Alkalinization Factor Family in <i>Brassica napus</i> and Functional Analysis of BnRALF10 in Immunity to <i>Sclerotinia sclerotiorum</i> . <i>Frontiers in Plant Science</i> , 2022, 13, 877404.	3.6	3