Tong Zhang

List of Publications by Year
in descending order

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32 papers	2,410 citations	430874 18 h-index	414414 32 g-index
32 all docs	32 docs citations	32 times ranked	3416 citing authors

#	Article	IF	Citations
1	Glutamate triggers long-distance, calcium-based plant defense signaling. Science, 2018, 361, 1112-1115.	12.6	624
2	Establishing <scp>RNA</scp> virus resistance in plants by harnessing <scp>CRISPR</scp> immune system. Plant Biotechnology Journal, 2018, 16, 1415-1423.	8.3	189
3	2020 taxonomic update for phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2020, 165, 3023-3072.	2.1	184
4	Begomovirusâ€“whitefly mutualism is achieved through repression of plant defences by a virus pathogenicity factor. Molecular Ecology, 2012, 21, 1294-1304.	3.9	172
5	Suppression of terpenoid synthesis in plants by a virus promotes its mutualism with vectors. Ecology Letters, 2013, 16, 390-398.	6.4	161
6	Establishing <scp>CRISPR</scp>/Cas13a immune system conferring <scp>RNA</scp> virus resistance in both dicot and monocot plants. Plant Biotechnology Journal, 2019, 17, 1185-1187.	8.3	112
7	Extracellular ATP Acts on Jasmonate Signaling to Reinforce Plant Defense. Plant Physiology, 2018, 176, 511-523.	4.8	108
8	Loss of Arabidopsis thaliana Dynamin-Related Protein 2B Reveals Separation of Innate Immune Signaling Pathways. PLoS Pathogens, 2014, 10, e1004578.	4.7	96
9	Endoplasmic Reticulum-associated Inactivation of the Hormone Jasmonoyl-l-Isoleucine by Multiple Members of the Cytochrome P450 94 Family in Arabidopsis. Journal of Biological Chemistry, 2014, 289, 29728-29738.	3.4	96
10	A light-dependent molecular link between competition cues and defence responses in plants. Nature Plants, 2020, 6, 223-230.	9.3	92
11	Specific Cells in the Primary Salivary Glands of the Whitefly Bemisia tabaci Control Retention and Transmission of Begomoviruses. Journal of Virology, 2014, 88, 13460-13468.	3.4	85
12	Rice Stripe Mosaic Virus, a Novel Cytorhabdovirus Infecting Rice via Leafhopper Transmission. Frontiers in Microbiology, 2016, 7, 2140.	3.5	82
13	Engineering plant virus resistance: from <scp>RNA</scp> silencing to genome editing strategies. Plant Biotechnology Journal, 2020, 18, 328-336.	8.3	64
14	Hormone crosstalk in wound stress response: wound-inducible amidohydrolases can simultaneously regulate jasmonate and auxin homeostasis inArabidopsis thaliana. Journal of Experimental Botany, 2016, 67, 2107-2120.	4.8	63
15	Transmission Biology of Rice Stripe Mosaic Virus by an Efficient Insect Vector Recilia dorsalis (Hemiptera: Cicadellidae). Frontiers in Microbiology, 2017, 8, 2457.	3.5	40
16	Mutations in jasmonoyl-L-isoleucine-12-hydroxylases suppress multiple JA-dependent wound responses in Arabidopsis thaliana. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 1396-1408.	2.4	38
17	A Novel DNA Motif Contributes to Selective Replication of a Geminivirus-Associated Betasatellite by a Helper Virus-Encoded Replication-Related Protein. Journal of Virology, 2016, 90, 2077-2089.	3.4	31
18	Virus altered rice attractiveness to planthoppers is mediated by volatiles and related to virus titre and expression of defence and volatile-biosynthesis genes. Scientific Reports, 2016, 6, 38581.	3.3	28

#	Article	IF	Citations
19	Friend or Enemy: A Dual Role of Autophagy in Plant Virus Infection. Frontiers in Microbiology, 2020, 11, 736.	3.5	21
20	Impact of Two Reoviruses and Their Coinfection on the Rice RNAi System and vsiRNA Production. Viruses, 2018, 10, 594.	3.3	17
21	A viral protein orchestrates rice ethylene signaling to coordinate viral infection and insect vector-mediated transmission. Molecular Plant, 2022, 15, 689-705.	8.3	17
22	Symptoms and yield loss caused by rice stripe mosaic virus. Virology Journal, 2019, 16, 145.	3.4	16
23	Geographic Distribution and Genetic Diversity of Rice Stripe Mosaic Virus in Southern China. Frontiers in Microbiology, 2018, 9, 3068.	3.5	14
24	Co-infection of two reoviruses increases both viruses accumulation in rice by up-regulating of viroplasm components and movement proteins bilaterally and RNA silencing suppressor unilaterally. Virology Journal, 2017, 14, 150.	3.4	12
25	On the initiation of jasmonate biosynthesis in wounded leaves. Plant Physiology, 2022, 189, 1925-1942.	4.8	11
26	Metabolomic Changes in Sogatella furcifera under Southern rice black-streaked dwarf virus Infection and Temperature Stress. Viruses, 2018, 10, 344.	3.3	8
27	Rice Stripe Mosaic Disease: Characteristics and Control Strategies. Frontiers in Microbiology, 2021, 12, 715223.	3.5	8
28	Mutualism promotes insect fitness by fungal nutrient compensation and facilitates fungus propagation by mediating insect oviposition preference. ISME Journal, 2022, 16, 1831-1842.	9.8	8
29	A virus-derived small RNA targets the rice transcription factor ROC1 to induce disease-like symptom. Phytopathology Research, 2022, 4, .	2.4	5
30	Resistance Evaluation of Dominant Varieties against Southern Rice Black-Streaked Dwarf Virus in Southern China. Viruses, 2021, 13, 1501.	3.3	4
31	Identification of viruses infecting sweet potato in southern China by small RNA deep sequencing and PCR detection. Journal of General Plant Pathology, 2019, 85, 122-127.	1.0	2
32	Development of a Specific Polymerase Chain Reaction System for the Detection of Rice Orange Leaf Phytoplasma. Plant Disease, 2020, 104, 521-526.	1.4	2