Rongzhi Chen

List of Publications by Year
in descending order

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39	3,179	236925 25	302126 39
papers	citations	h-index	g-index
40	40	40	2799
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	OsEXO70H3 regulating SAMSL excretion and lignin deposition in cell walls is required for rice resistance to planthoppers. New Phytologist, 2022, , .	7.3	15
2	Rice functional genomics: decadesâ€™ efforts and roads ahead. Science China Life Sciences, 2022, 65, 33-92.	4.9	107
3	Molecular Mapping of a New Brown Planthopper Resistance Gene Bph43 in Rice (Oryza sativa L.). Agronomy, 2022, 12, 808.	3.0	9
4	Bulked Segregant RNA Sequencing Revealed Difference Between Virulent and Avirulent Brown Planthoppers. Frontiers in Plant Science, 2022, 13, 843227.	3.6	2
5	Lipidomic analyses reveal enhanced lipolysis in planthoppers feeding on resistant host plants. Science China Life Sciences, 2021, 64, 1502-1521.	4.9	12
6	Molecular and functional analysis of a brown planthopper resistance protein with two nucleotide-binding site domains. Journal of Experimental Botany, 2021, 72, 2657-2671.	4.8	9
7	Bph30 confers resistance to brown planthopper by fortifying sclerenchyma in rice leaf sheaths. Molecular Plant, 2021, 14, 1714-1732.	8.3	48
8	Balancing selection and wild gene pool contribute to resistance in global rice germplasm against planthopper. Journal of Integrative Plant Biology, 2021, 63, 1695-1711.	8.5	21
9	Salivary Protein 1 of Brown Planthopper Is Required for Survival and Induces Immunity Response in Plants. Frontiers in Plant Science, 2020, 11, 571280.	3.6	19
10	A combined microRNA and transcriptome analyses illuminates the resistance response of rice against brown planthopper. BMC Genomics, 2020, 21, 144.	2.8	27
11	Current understanding of the genomic, genetic, and molecular control of insect resistance in rice. Molecular Breeding, 2020, 40, 1.	2.1	68
12	Challenging battles of plants with phloem-feeding insects and prokaryotic pathogens. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23390-23397.	7.1	98
13	Combining next-generation sequencing and single-molecule sequencing to explore brown plant hopper responses to contrasting genotypes of japonica rice. BMC Genomics, 2019, 20, 682.	2.8	14
14	Bph6 encodes an exocyst-localized protein and confers broad resistance to planthoppers in rice. Nature Genetics, 2018, 50, 297-306.	21.4	158
15	A Mucin-Like Protein of Planthopper Is Required for Feeding and Induces Immunity Response in Plants. Plant Physiology, 2018, 176, 552-565.	4.8	120
16	Lipid profiles reveal different responses to brown planthopper infestation for pest susceptible and resistant rice plants. Metabolomics, 2018, 14, 120.	3.0	19
17	High-resolution mapping of a gene conferring strong antibiosis to brown planthopper and developing resistant near-isogenic lines in 9311 background. Molecular Breeding, 2018, 38, 1.	2.1	36
18	Structural insights into alternative splicing-mediated desensitization of jasmonate signaling. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1720-1725.	7.1	67

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19	Genomics of interaction between the brown planthopper and rice. Current Opinion in Insect Science, 2017, 19, 82-87.	4.4	74
20	The Coiled-Coil and Nucleotide Binding Domains of BROWN PLANTHOPPER RESISTANCE14 Function in Signaling and Resistance against Planthopper in Rice. Plant Cell, 2017, 29, 3157-3185.	6.6	92
21	Marker assisted pyramiding of Bph6 and Bph9 into elite restorer line 93â€“11 and development of functional marker for Bph9. Rice, 2017, 10, 51.	4.0	33
22	Overexpression of OsRRK1 Changes Leaf Morphology and Defense to Insect in Rice. Frontiers in Plant Science, 2017, 8, 1783.	3.6	12
23	Allelic diversity in an NLR gene <i>BPH9</i> enables rice to combat planthopper variation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12850-12855.	7.1	196
24	Phloem-exudate proteome analysis of response to insect brown plant-hopper in rice. Journal of Plant Physiology, 2015, 183, 13-22.	3.5	32
25	Genes associated with thermosensitive genic male sterility in rice identified by comparative expression profiling. BMC Genomics, 2014, 15, 1114.	2.8	21
26	A rice lectin receptorâ€like kinase that is involved in innate immune responses also contributes to seed germination. Plant Journal, 2013, 76, 687-698.	5.7	127
27	Knockdown of <scp><i>GDCH</i></scp> gene reveals reactive oxygen speciesâ€induced leaf senescence in rice. Plant, Cell and Environment, 2013, 36, 1476-1489.	5.7	52
28	Insect Resistance. , 2013, , 177-192.		6
29	A rice Î²-1,3-glucanase gene Osg1 is required for callose degradation in pollen development. Planta, 2011, 233, 309-323.	3.2	123
30	Knockdown of Midgut Genes by dsRNA-Transgenic Plant-Mediated RNA Interference in the Hemipteran Insect Nilaparvata lugens. PLoS ONE, 2011, 6, e20504.	2.5	290
31	Identification and characterization of <i>Bph14</i> , a gene conferring resistance to brown planthopper in rice. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22163-22168.	7.1	437
32	Temperature-sensitive splicing is an important molecular regulation mechanism of thermosensitive genic male sterility in rice. Science Bulletin, 2009, 54, 2354-2362.	1.7	5
33	Understanding rice plant resistance to the Brown Planthopper (<i>Nilaparvata lugens</i>): A proteomic approach. Proteomics, 2009, 9, 2798-2808.	2.2	145
34	Herbivore-Induced Callose Deposition on the Sieve Plates of Rice: An Important Mechanism for Host Resistance Â Â. Plant Physiology, 2008, 146, 1810-1820.	4.8	266
35	Responses of Two Contrasting Genotypes of Rice to Brown Planthopper. Molecular Plant-Microbe Interactions, 2008, 21, 122-132.	2.6	82
36	Rice UDP-Glucose Pyrophosphorylase1 Is Essential for Pollen Callose Deposition and Its Cosuppression Results in a New Type of Thermosensitive Genic Male Sterility. Plant Cell, 2007, 19, 847-861.	6.6	219

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37	Multiple isoforms of UDP-glucose pyrophosphorylase in rice. Physiologia Plantarum, 2007, 129, 725-736.	5.2	26
38	Biochemical and photochemical changes in response to triacontanol in rice (Oryza sativa L.). Plant Growth Regulation, 2003, 40, 249-256.	3.4	36
39	Isolation and Characterization of Triacontanol-Regulated Genes in Rice (Oryza sativa L.): Possible Role of Triacontanol as a Plant Growth Stimulator. Plant and Cell Physiology, 2002, 43, 869-876.	3.1	55