

Xiaojie Wang

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

3,333
citations

136950

32
h-index

168389

53
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80
all docs

80
docs citations

80
times ranked

3109
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcriptional repression of <i>TaNOX10</i> by <i>TaWRKY19</i> compromises ROS generation and enhances wheat susceptibility to stripe rust. <i>Plant Cell</i> , 2022, 34, 1784-1803.	6.6	37
2	A rust fungus effector directly binds plant pre-mRNA splice site to reprogram alternative splicing and suppress host immunity. <i>Plant Biotechnology Journal</i> , 2022, 20, 1167-1181.	8.3	29
3	<i>TaBln1</i> , a member of the Blufensin family, negatively regulates wheat resistance to stripe rust by reducing Ca ²⁺ influx. <i>Plant Physiology</i> , 2022, 189, 1380-1396.	4.8	10
4	Inactivation of a wheat protein kinase gene confers broad-spectrum resistance to rust fungi. <i>Cell</i> , 2022, 185, 2961-2974.e19.	28.9	74
5	Two stripe rust effectors impair wheat resistance by suppressing import of host Fe-S protein into chloroplasts. <i>Plant Physiology</i> , 2021, 187, 2530-2543.	4.8	28
6	Functional Characterization of the Wheat Macrophage Migration Inhibitory Factor <i>TaMIF1</i> in Wheat-Stripe Rust (<i>Puccinia striiformis</i>) Interaction. <i>Biology</i> , 2021, 10, 878.	2.8	6
7	Development of a Loop-Mediated Isothermal Amplification Method for the Rapid Detection of <i>Phytophthium vexans</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 720485.	3.5	8
8	<i>WRKY</i> Transcription Factors Shared by BTH-Induced Resistance and <i>NPR1</i> -Mediated Acquired Resistance Improve Broad-Spectrum Disease Resistance in Wheat. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 433-443.	2.6	27
9	Hauatoria arsenals during the interaction between wheat and <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Molecular Plant Pathology</i> , 2020, 21, 83-94.	4.2	34
10	Constitutive Expression of Arabidopsis Senescence Associated Gene 101 in <i>Brachypodium distachyon</i> Enhances Resistance to <i>Puccinia brachypodii</i> and <i>Magnaporthe oryzae</i> . <i>Plants</i> , 2020, 9, 1316.	3.5	3
11	Rust effector PN <i>Pi</i> interacting with wheat <i>TaPR1a</i> attenuates plant defense response. <i>Phytopathology Research</i> , 2020, 2, .	2.4	18
12	Genome-Wide Identification of Effector Candidates With Conserved Motifs From the Wheat Leaf Rust Fungus <i>Puccinia triticina</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 1188.	3.5	21
13	<i>TaRac6</i> Is a Potential Susceptibility Factor by Regulating the ROS Burst Negatively in the Wheat-Puccinia <i>striiformis</i> f. sp. <i>tritici</i> Interaction. <i>Frontiers in Plant Science</i> , 2020, 11, 716.	3.6	9
14	Identification of a Hyperparasitic <i>Simplicillium obclavatum</i> Strain Affecting the Infection Dynamics of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> on Wheat. <i>Frontiers in Microbiology</i> , 2020, 11, 1277.	3.5	9
15	A polysaccharide deacetylase from <i>Puccinia striiformis</i> f. sp. <i>tritici</i> is an important pathogenicity gene that suppresses plant immunity. <i>Plant Biotechnology Journal</i> , 2020, 18, 1830-1842.	8.3	34
16	YR36/WKS1-Mediated Phosphorylation of PsbO, an Extrinsic Member of Photosystem II, Inhibits Photosynthesis and Confers Stripe Rust Resistance in Wheat. <i>Molecular Plant</i> , 2019, 12, 1639-1650.	8.3	49
17	An effector protein of the wheat stripe rust fungus targets chloroplasts and suppresses chloroplast function. <i>Nature Communications</i> , 2019, 10, 5571.	12.8	129
18	<i>TaNTF2</i> , a contributor for wheat resistance to the stripe rust pathogen. <i>Plant Physiology and Biochemistry</i> , 2018, 123, 260-267.	5.8	12

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19	Understanding the lifestyles and pathogenicity mechanisms of obligate biotrophic fungi in wheat: The emerging genomics era. <i>Crop Journal</i> , 2018, 6, 60-67.	5.2	28
20	Candidate Effector Pst_8713 Impairs the Plant Immunity and Contributes to Virulence of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 1294.	3.6	45
21	Wheat Gene TaATG8j Contributes to Stripe Rust Resistance. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1666.	4.1	12
22	<i>Puccinia striiformis</i> f. sp. <i>tritici</i> miRNA-like RNA 1 (<i>Pst</i> -miR1), an important pathogenicity factor of <i>Pst</i> , impairs wheat resistance to <i>Pst</i> by suppressing the wheat pathogenesis-related 2 gene. <i>New Phytologist</i> , 2017, 215, 338-350.	7.3	168
23	Variability of the Stripe Rust Pathogen. , 2017, , 35-154.		25
24	Wheat- <i>Puccinia striiformis</i> Interactions. , 2017, , 155-282.		7
25	<i>PST</i> ha5a23, a candidate effector from the obligate biotrophic pathogen <i>Puccinia striiformis</i> f. sp. <i>tritici</i> , is involved in plant defense suppression and rust pathogenicity. <i>Environmental Microbiology</i> , 2017, 19, 1717-1729.	3.8	69
26	TaRar1 Is Involved in Wheat Defense against Stripe Rust Pathogen Mediated by YrSu. <i>Frontiers in Plant Science</i> , 2017, 8, 156.	3.6	19
27	TaSYP71, a Qc-SNARE, Contributes to Wheat Resistance against <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 544.	3.6	16
28	<i>TaMDAR6</i> acts as a negative regulator of plant cell death and participates indirectly in stomatal regulation during the wheat stripe rust fungus interaction. <i>Physiologia Plantarum</i> , 2016, 156, 262-277.	5.2	15
29	TaULP5 contributes to the compatible interaction of adult plant resistance wheat seedlings-stripe rust pathogen. <i>Physiological and Molecular Plant Pathology</i> , 2016, 96, 29-35.	2.5	2
30	TaMCA1, a regulator of cell death, is important for the interaction between wheat and <i>Puccinia striiformis</i> . <i>Scientific Reports</i> , 2016, 6, 26946.	3.3	15
31	Identification of microRNAs and their corresponding targets involved in the susceptibility interaction of wheat response to <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Physiologia Plantarum</i> , 2016, 157, 95-107.	5.2	12
32	Two distinct Ras genes from <i>Puccinia striiformis</i> exhibit differential roles in rust pathogenicity and cell death. <i>Environmental Microbiology</i> , 2016, 18, 3910-3922.	3.8	9
33	Transcriptome Analysis Provides Insights into the Mechanisms Underlying Wheat Plant Resistance to Stripe Rust at the Adult Plant Stage. <i>PLoS ONE</i> , 2016, 11, e0150717.	2.5	61
34	Characterization of protein kinase <i>PsSRPKL</i> , a novel pathogenicity factor in the wheat stripe rust fungus. <i>Environmental Microbiology</i> , 2015, 17, 2601-2617.	3.8	48
35	Genome-Wide Analysis of Simple Sequence Repeats and Efficient Development of Polymorphic SSR Markers Based on Whole Genome Re-Sequencing of Multiple Isolates of the Wheat Stripe Rust Fungus. <i>PLoS ONE</i> , 2015, 10, e0130362.	2.5	24
36	Exploration of microRNAs and their targets engaging in the resistance interaction between wheat and stripe rust. <i>Frontiers in Plant Science</i> , 2015, 6, 469.	3.6	29

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37	PsANT, the adenine nucleotide translocase of <i>Puccinia striiformis</i> , promotes cell death and fungal growth. <i>Scientific Reports</i> , 2015, 5, 11241.	3.3	21
38	Microarray-based identification of conserved microRNA from wheat and their expression profiles response to <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Canadian Journal of Plant Pathology</i> , 2015, 37, 82-91.	1.4	7
39	TaADF3, an Actin-Depolymerizing Factor, Negatively Modulates Wheat Resistance Against <i>Puccinia striiformis</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 1214.	3.6	41
40	New insights in the battle between wheat and <i>Puccinia striiformis</i> . <i>Frontiers of Agricultural Science and Engineering</i> , 2015, 2, 101.	1.4	7
41	Wheat TaNPSN SNARE homologues are involved in vesicle-mediated resistance to stripe rust (<i>Puccinia</i>) Tj ETQq1 1 0.784314,rgBT /Over	4.8	29
42	Construction and Characterization of a Bacterial Artificial Chromosome Library for the Hexaploid Wheat Line 92R137. <i>BioMed Research International</i> , 2014, 2014, 1-9.	1.9	3
43	The target gene of taê€œ<sc>miR164</sc>, a novel <sc>NAC</sc> transcription factor from the <sc>NAM</sc> subfamily, negatively regulates resistance of wheat to stripe rust. <i>Molecular Plant Pathology</i> , 2014, 15, 284-296.	4.2	146
44	TaADF7, an actinâ€œdepolymerizing factor, contributes to wheat resistance against <i>Puccinia striiformis</i> f. sp. <i>tritici</i>. <i>Plant Journal</i> , 2014, 78, 16-30.	5.7	79
45	Monodehydroascorbate reductase gene, regulated by the wheat PN-2013 miRNA, contributes to adult wheat plant resistance to stripe rust through ROS metabolism. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2014, 1839, 1-12.	1.9	55
46	A novel TaMYB4 transcription factor involved in the defence response against <i>Puccinia striiformis</i> f. sp. <i>tritici</i> and abiotic stresses. <i>Plant Molecular Biology</i> , 2014, 84, 589-603.	3.9	44
47	TaMDHAR4, a monodehydroascorbate reductase gene participates in the interactions between wheat and <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Plant Physiology and Biochemistry</i> , 2014, 76, 7-16.	5.8	24
48	Effect of a benzothiadiazole on inducing resistance of soybean to <i>Phytophthora sojae</i> . <i>Protoplasma</i> , 2013, 250, 471-481.	2.1	16
49	Genes involved in adult plant resistance to stripe rust in wheat cultivar Xingziâ€œ9104. <i>Physiological and Molecular Plant Pathology</i> , 2013, 81, 26-32.	2.5	20
50	Target of taê€œmiR408, a chemocyanin-like protein gene (TaCLP1), plays positive roles in wheat response to high-salinity, heavy cupric stress and stripe rust. <i>Plant Molecular Biology</i> , 2013, 83, 433-443.	3.9	118
51	<sc><i>Ta</i>EIL1</sc>, a wheat homologue of <sc><i>At</i>EIN3</sc>, acts as a negative regulator in the wheatâ€œstripe rust fungus interaction. <i>Molecular Plant Pathology</i> , 2013, 14, 728-739.	4.2	32
52	Cytological and molecular characterization of non-host resistance in <i>Arabidopsis thaliana</i> against wheat stripe rust. <i>Plant Physiology and Biochemistry</i> , 2013, 62, 11-18.	5.8	22
53	vsRNAs derived from the miRNA-generating sites of pri-tae-miR159a based on the BSMV system play positive roles in the wheat response to <i>Puccinia striiformis</i> f. sp. <i>tritici</i> through the regulation of taMyb3 expression. <i>Plant Physiology and Biochemistry</i> , 2013, 68, 90-95.	5.8	21
54	High genome heterozygosity and endemic genetic recombination in the wheat stripe rust fungus. <i>Nature Communications</i> , 2013, 4, 2673.	12.8	238

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55	RLP1.1, a novel wheat receptor-like protein gene, is involved in the defence response against <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Journal of Experimental Botany</i> , 2013, 64, 3735-3746.	4.8	26
56	Functions of the lethal leaf-spot 1 gene in wheat cell death and disease tolerance to <i>Puccinia striiformis</i> . <i>Journal of Experimental Botany</i> , 2013, 64, 2955-2969.	4.8	26
57	TaAbc1, a Member of Abc1-Like Family Involved in Hypersensitive Response against the Stripe Rust Fungal Pathogen in Wheat. <i>PLoS ONE</i> , 2013, 8, e58969.	2.5	13
58	A Nested PCR Assay for Detecting <i>Valsa mali</i> var. <i>mali</i> in Different Tissues of Apple Trees. <i>Plant Disease</i> , 2012, 96, 1645-1652.	1.4	23
59	Wheat BAX inhibitor-1 contributes to wheat resistance to <i>Puccinia striiformis</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 4571-4584.	4.8	60
60	Characterization of non-host resistance in broad bean to the wheat stripe rust pathogen. <i>BMC Plant Biology</i> , 2012, 12, 96.	3.6	65
61	<i>TaMCA4</i> , a Novel Wheat Metacaspase Gene Functions in Programmed Cell Death Induced by the Fungal Pathogen <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 755-764.	2.6	67
62	Selection of suitable inner reference genes for relative quantification expression of microRNA in wheat. <i>Plant Physiology and Biochemistry</i> , 2012, 51, 116-122.	5.8	54
63	<i>TaDAD2</i> , a Negative Regulator of Programmed Cell Death, Is Important for the Interaction Between Wheat and the Stripe Rust Fungus. <i>Molecular Plant-Microbe Interactions</i> , 2011, 24, 79-90.	2.6	37
64	Molecular analysis of common wheat genes encoding three types of cytosolic heat shock protein 90 (Hsp90): functional involvement of cytosolic Hsp90s in the control of wheat seedling growth and disease resistance. <i>New Phytologist</i> , 2011, 191, 418-431.	7.3	108
65	Cloning and characterization of a wheat neutral ceramidase gene Ta-CDase. <i>Molecular Biology Reports</i> , 2011, 38, 3447-3454.	2.3	14
66	Cloning and characterization of a calcium binding EF-hand protein gene TaCab1 from wheat and its expression in response to <i>Puccinia striiformis</i> f. sp. <i>tritici</i> and abiotic stresses. <i>Molecular Biology Reports</i> , 2011, 38, 3857-3866.	2.3	51
67	Histological and molecular studies of the non-host interaction between wheat and <i>Uromyces fabae</i> . <i>Planta</i> , 2011, 234, 979-991.	3.2	29
68	Wheat defense genes in fungal (<i>Puccinia striiformis</i>) infection. <i>Functional and Integrative Genomics</i> , 2010, 10, 227-239.	3.5	37
69	Cloning and characterization of a wheat β -1,3-glucanase gene induced by the stripe rust pathogen <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Molecular Biology Reports</i> , 2010, 37, 1045-1052.	2.3	74
70	Differential gene expression in incompatible interaction between wheat and stripe rust fungus revealed by cDNA-AFLP and comparison to compatible interaction. <i>BMC Plant Biology</i> , 2010, 10, 9.	3.6	81
71	Characterization of a pathogenesis-related thaumatin-like protein gene <i>TaPR5</i> from wheat induced by stripe rust fungus. <i>Physiologia Plantarum</i> , 2010, 139, 27-38.	5.2	76
72	TaNAC8, a novel NAC transcription factor gene in wheat, responds to stripe rust pathogen infection and abiotic stresses. <i>Physiological and Molecular Plant Pathology</i> , 2010, 74, 394-402.	2.5	109

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73	cDNA-AFLP analysis reveals differential gene expression in compatible interaction of wheat challenged with <i>Puccinia striiformis</i> f. sp. tritici. <i>BMC Genomics</i> , 2009, 10, 289.	2.8	81
74	Identification of expressed genes during compatible interaction between stripe rust (<i>Puccinia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	2.8	63
75	Generation and analysis of expression sequence tags from haustoria of the wheat stripe rust fungus <i>Puccinia striiformis</i> f. sp. Tritici. <i>BMC Genomics</i> , 2009, 10, 626.	2.8	79
76	Detection of <i>Puccinia striiformis</i> in Latently Infected Wheat Leaves by Nested Polymerase Chain Reaction. <i>Journal of Phytopathology</i> , 2009, 157, 490-493.	1.0	13
77	The development of a PCR-based method for detecting <i>Puccinia striiformis</i> latent infections in wheat leaves. <i>European Journal of Plant Pathology</i> , 2008, 120, 241-247.	1.7	30
78	Stage-specific gene expression during urediniospore germination in <i>Puccinia striiformis</i> f. sp tritici. <i>BMC Genomics</i> , 2008, 9, 203.	2.8	53