Xiaodong Wang

List of Publications by Year
in descending order

33 papers	1,481 citations	471509 17 h-index	414414 32 g-index
35 all docs	35 docs citations	35 times ranked	1994 citing authors

#	Article	IF	Citations
1	Uncovering hidden variation in polyploid wheat. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E913-E921.	7.1	554
2	Wheat Stripe Rust Resistance Protein WKS1 Reduces the Ability of the Thylakoid-Associated Ascorbate Peroxidase to Detoxify Reactive Oxygen Species. Plant Cell, 2015, 27, 1755-1770.	6.6	133
3	An effector protein of the wheat stripe rust fungus targets chloroplasts and suppresses chloroplast function. Nature Communications, 2019, 10, 5571.	12.8	129
4	A Conserved <i>Puccinia striiformis</i> Protein Interacts with Wheat NPR1 and Reduces Induction of <i>Pathogenesis</i>-<i>Related</i> Genes in Response to Pathogens. Molecular Plant-Microbe Interactions, 2016, 29, 977-989.	2.6	69
5	<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>. Molecular Plant-Microbe Interactions, 2012, 25, 755-764.	2.6	67
6	Systemic acquired resistance, NPR1, and pathogenesis-related genes in wheat and barley. Journal of Integrative Agriculture, 2018, 17, 2468-2477.	3.5	51
7	Wheat zinc finger protein TaLSD1, a negative regulator of programmed cell death, is involved in wheat resistance against stripe rust fungus. Plant Physiology and Biochemistry, 2013, 71, 164-172.	5.8	33
8	WRKY Transcription Factors Associated With NPR1-Mediated Acquired Resistance in Barley Are Potential Resources to Improve Wheat Resistance to Puccinia triticina. Frontiers in Plant Science, 2018, 9, 1486.	3.6	32
9	Wheat TaRab7 GTPase Is Part of the Signaling Pathway in Responses to Stripe Rust and Abiotic Stimuli. PLoS ONE, 2012, 7, e37146.	2.5	32
10	Wheat TaNPSN SNARE homologues are involved in vesicle-mediated resistance to stripe rust (Puccinia) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.8	29
11	A rust fungus effector directly binds plant preâ€mRNA splice site to reprogram alternative splicing and suppress host immunity. Plant Biotechnology Journal, 2022, 20, 1167-1181.	8.3	29
12	Two stripe rust effectors impair wheat resistance by suppressing import of host Feâ€“S protein into chloroplasts. Plant Physiology, 2021, 187, 2530-2543.	4.8	28
13	<i>WRKY</i> Transcription Factors Shared by BTH-Induced Resistance and <i>NPR1</i>-Mediated Acquired Resistance Improve Broad-Spectrum Disease Resistance in Wheat. Molecular Plant-Microbe Interactions, 2020, 33, 433-443.	2.6	27
14	Functions of the lethal leaf-spot 1 gene in wheat cell death and disease tolerance to Puccinia striiformis. Journal of Experimental Botany, 2013, 64, 2955-2969.	4.8	26
15	Genetics of Resistance to Common Root Rot (Spot Blotch), Fusarium Crown Rot, and Sharp Eyespot in Wheat. Frontiers in Genetics, 2021, 12, 699342.	2.3	25
16	TaMDHAR4, a monodehydroascorbate reductase gene participates in the interactions between wheat and Puccinia striiformis f. sp. tritici. Plant Physiology and Biochemistry, 2014, 76, 7-16.	5.8	24
17	vsiRNAs derived from the miRNA-generating sites of pri-tae-miR159a based on the BSMV system play positive roles in the wheat response to Puccinia striiformis f. sp. tritici through the regulation of taMyb3 expression. Plant Physiology and Biochemistry, 2013, 68, 90-95.	5.8	21
18	Genome-Wide Identification of Effector Candidates With Conserved Motifs From the Wheat Leaf Rust Fungus Puccinia triticina. Frontiers in Microbiology, 2020, 11, 1188.	3.5	21

#	Article	IF	Citations
19	TaAMT2;3a, a wheat AMT2-type ammonium transporter, facilitates the infection of stripe rust fungus on wheat. BMC Plant Biology, 2019, 19, 239.	3.6	19
20	A comparative approach expands the proteinâ€"protein interaction node of the immune receptor XA21 in wheat and rice. Genome, 2013, 56, 315-326.	2.0	18
21	Rust effector PNPi interacting with wheat TaPR1a attenuates plant defense response. Phytopathology Research, 2020, 2, .	2.4	18
22	Identification and expression analysis of some wheat F-box subfamilies during plant development and infection by Puccinia triticina. Plant Physiology and Biochemistry, 2020, 155, 535-548.	5.8	17
23	Effect of a benzothiadiazole on inducing resistance of soybean to Phytophthora sojae. Protoplasma, 2013, 250, 471-481.	2.1	16
24	Genome-Wide Expression Profiling of Genes Associated with the Lr47-Mediated Wheat Resistance to Leaf Rust (Puccinia triticina). International Journal of Molecular Sciences, 2019, 20, 4498.	4.1	16
25	A wheat NBS-LRR gene TaRGA19 participates in Lr19 -mediated resistance to Puccinia triticina. Plant Physiology and Biochemistry, 2017, 119, 1-8.	5.8	10
26	Wheat Apoplast-Localized Lipid Transfer Protein TaLTP3 Enhances Defense Responses Against Puccinia triticina. Frontiers in Plant Science, 2021, 12, 771806.	3.6	10
27	Mapping and Characterization of a Wheat Stem Rust Resistance Gene in Durum Wheat â€œKronosâ€. Frontiers in Plant Science, 2021, 12, 751398.	3.6	8
28	Genome-wide survey of the F-box/Kelch (FBK) members and molecular identification of a novel FBK gene TaAFR in wheat. PLoS ONE, 2021, 16, e0250479.	2.5	6
29	Molecular identification and acquisition of interacting partners of a novel wheat F-box/Kelch gene TaFBK. Physiological and Molecular Plant Pathology, 2020, 112, 101564.	2.5	4
30	Suppression subtractive hybridization and microarray analysis reveal differentially expressed genes in the Lr39/41-mediated wheat resistance to Puccinia triticina. European Journal of Plant Pathology, 2018, 152, 479-492.	1.7	3
31	Molecular identification of wheat leaf rust resistance genes in sixty Chinese wheat cultivars. Czech Journal of Genetics and Plant Breeding, 2018, 54, 1-8.	0.8	3
32	First report of Calonectria canadiana causing peach fruit rot in China. Plant Disease, 2022, , .	1.4	1
33	Genetic analysis and molecular mapping of a leaf rust resistance gene in the wheat line 19HRWSN-129. Czech Journal of Genetics and Plant Breeding, 2016, 52, 1-5.	0.8	0