Zhensheng Kang

List of Publications by Year
in descending order

212 papers	6,520 citations	71102 41 h-index	110387 64 g-index
228 all docs	228 docs citations	228 times ranked	4209 citing authors

#	Article	IF	Citations
1	Enhanced stripe rust resistance obtained by combining Yr30 with a widely dispersed, consistent QTL on chromosome arm 4BL. Theoretical and Applied Genetics, 2022, 135, 351-365.	3.6	12
2	Variation in cis-regulation of a NAC transcription factor contributes to drought tolerance in wheat. Molecular Plant, 2022, 15, 276-292.	8.3	78
3	Evaluation of the Potential Risk of the Emerging <i>Yr5</i>-Virulent Races of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> to 165 Chinese Wheat Cultivars. Plant Disease, 2022, 106, 1867-1874.	1.4	7
4	Transcriptional repression of <i>TaNOX10</i> by TaWRKY19 compromises ROS generation and enhances wheat susceptibility to stripe rust. Plant Cell, 2022, 34, 1784-1803.	6.6	37
5	The genome of the rice variety LTH provides insight into its universal susceptibility mechanism to worldwide rice blast fungal strains. Computational and Structural Biotechnology Journal, 2022, 20, 1012-1026.	4.1	16
6	Mechanisms in Growth-Promoting of Cucumber by the Endophytic Fungus Chaetomium globosum Strain ND35. Journal of Fungi (Basel, Switzerland), 2022, 8, 180.	3.5	18
7	Identification of <i>Mahonia</i> Species as Alternate Hosts for <i>Puccinia striiformis</i> f. sp. <i>tritici</i> and Determination of Existence of Sexual Propagation of the Rust Pathogen on <i>Mahonia</i> Under Natural Conditions in China. Phytopathology, 2022, 112, 1422-1430.	2.2	2
8	Combination of Marker-Assisted Backcross Selection of Yr59 and Phenotypic Selection to Improve Stripe Rust Resistance and Agronomic Performance in Four Elite Wheat Cultivars. Agronomy, 2022, 12, 497.	3.0	6
9	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
10	TaBln1, a member of the Blufensin family, negatively regulates wheat resistance to stripe rust by reducing Ca2+ influx. Plant Physiology, 2022, 189, 1380-1396.	4.8	10
11	Genome-wide analysis of trehalose-6-phosphate phosphatases (TPP) gene family in wheat indicates their roles in plant development and stress response. BMC Plant Biology, 2022, 22, 120.	3.6	17
12	A novel hexaâ€segmented <scp>dsRNA</scp> mycovirus confers hypovirulence in the phytopathogenic fungus <i>Diaporthe pseudophoenicicola</i>. Environmental Microbiology, 2022, 24, 4274-4284.	3.8	4
13	A candidate effector protein PstCFEM1 contributes to virulence of stripe rust fungus and impairs wheat immunity. Stress Biology, 2022, 2, 1.	3.1	5
14	Role of Sexual Reproduction in the Evolution of the Wheat Stripe Rust Fungus Races in China. Phytopathology, 2022, 112, 1063-1071.	2.2	2
15	The wheat ABA receptor gene <i>TaPYL1â€1B</i> contributes to drought tolerance and grain yield by increasing waterâ€use efficiency. Plant Biotechnology Journal, 2022, 20, 846-861.	8.3	55
16	Sensitivity and Resistance Risk Assessment of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> to Triadimefon in China. Plant Disease, 2022, 106, 1690-1699.	1.4	8
17	A serine-rich effector from the stripe rust pathogen targets a Raf-like kinase to suppress host immunity. Plant Physiology, 2022, 190, 762-778.	4.8	13
18	Genomeâ€wide association study revealed <i>TaHXK3â€2A</i> as a candidate gene controlling stomatal index in wheat seedlings. Plant, Cell and Environment, 2022, 45, 2306-2323.	5.7	7

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19	CRISPR-Cas12a-Based Diagnostics of Wheat Fungal Diseases. Journal of Agricultural and Food Chemistry, 2022, 70, 7240-7247.	5.2	19
20	An alternative splicing isoform of wheat TaYRG1 resistance protein activates immunity by interacting with dynamin-related proteins. Journal of Experimental Botany, 2022, 73, 5474-5489.	4.8	2
21	Epistatic interaction effect between chromosome 1BL (Yr29) and a novel locus on 2AL facilitating resistance to stripe rust in Chinese wheat Changwu 357-9. Theoretical and Applied Genetics, 2022, 135, 2501-2513.	3.6	11
22	Genome Sequence of <i>Magnaporthe oryzae</i> EA18 Virulent to Multiple Widely Used Rice Varieties. Molecular Plant-Microbe Interactions, 2022, 35, 727-730.	2.6	7
23	Sugar transporter <scp>TaSTP3</scp> activation by <scp>TaWRKY19</scp>/61/82 enhances stripe rust susceptibility in wheat. New Phytologist, 2022, 236, 266-282.	7.3	14
24	Grasses are able to harbor the oversummering of urediospores and the overwintering of teliospores of Puccinia striiformis f. sp. tritici in China. Phytopathology Research, 2022, 4, .	2.4	1
25	Genome-Wide Mapping of Loci for Adult-Plant Resistance to Stripe Rust in Durum Wheat Svevo Using the 90K SNP Array. Plant Disease, 2021, 105, 879-888.	1.4	4
26	A largeâ€scale genomic association analysis identifies the candidate causal genes conferring stripe rust resistance under multiple field environments. Plant Biotechnology Journal, 2021, 19, 177-191.	8.3	54
27	Distinct Transcriptomic Reprogramming in the Wheat Stripe Rust Fungus During the Initial Infection of Wheat and Barberry. Molecular Plant-Microbe Interactions, 2021, 34, 198-209.	2.6	8
28	Genome-Wide Wheat 55K SNP-Based Mapping of Stripe Rust Resistance Loci in Wheat Cultivar Shaannong 33 and Their Alleles Frequencies in Current Chinese Wheat Cultivars and Breeding Lines. Plant Disease, 2021, 105, 1048-1056.	1.4	14
29	RNAiâ€mediated stable silencing of <i>TaCSN5</i> confers broadâ€spectrum resistance to <i>Puccinia striiformis</i> f. sp. <i>tritici</i>. Molecular Plant Pathology, 2021, 22, 410-421.	4.2	14
30	TaAP2-15, An AP2/ERF Transcription Factor, Is Positively Involved in Wheat Resistance to Puccinia striiformis f. sp. tritici. International Journal of Molecular Sciences, 2021, 22, 2080.	4.1	19
31	Refined mapping of stripe rust resistance gene YrP10090 within a desirable haplotype for wheat improvement on chromosome 6A. Theoretical and Applied Genetics, 2021, 134, 2005-2021.	3.6	9
32	Overexpression of the wheat NAC transcription factor TaSNAC4-3A gene confers drought tolerance in transgenic Arabidopsis. Plant Physiology and Biochemistry, 2021, 160, 37-50.	5.8	26
33	Evidence of occurrence of Crown Rust of Barley Caused by Puccinia coronata var. hordei and sexual reproduction of the pathogen under field conditions in China. Plant Disease, 2021, , PDIS09202029RE.	1.4	1
34	AtSTP8, an endoplasmic reticulumâ€localised monosaccharide transporter from Arabidopsis, is recruited to the extrahaustorial membrane during powdery mildew infection. New Phytologist, 2021, 230, 2404-2419.	7.3	14
35	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
36	Transcription factor BZR2 activates chitinase <i>Cht20.2</i> transcription to confer resistance to wheat stripe rust. Plant Physiology, 2021, 187, 2749-2762.	4.8	21

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37	Wheatâ€œFusarium graminearum Interactions Under Sitobion avenae Influence: From Nutrients and Hormone Signals. Frontiers in Nutrition, 2021, 8, 703293.	3.7	8
38	Two stripe rust effectors impair wheat resistance by suppressing import of host Feâ€œS protein into chloroplasts. Plant Physiology, 2021, 187, 2530-2543.	4.8	28
39	Functional Characterization of the Wheat Macrophage Migration Inhibitory Factor TaMIF1 in Wheat-Stripe Rust (Puccinia striiformis) Interaction. Biology, 2021, 10, 878.	2.8	6
40	Field Production, Germinability, and Survival of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> Teliospores in China. Plant Disease, 2021, 105, 2122-2128.	1.4	7
41	Improving stripe rust resistance and agronomic performance in three elite wheat cultivars using a combination of phenotypic selection and marker detection of Yr48. Crop Protection, 2021, 148, 105752.	2.1	5
42	WheatOmics: A platform combining multiple omics data to accelerate functional genomics studies in wheat. Molecular Plant, 2021, 14, 1965-1968.	8.3	166
43	TaMYB29: A Novel R2R3-MYB Transcription Factor Involved in Wheat Defense Against Stripe Rust. Frontiers in Plant Science, 2021, 12, 783388.	3.6	17
44	Prevalent Pest Management Strategies for Grain Aphids: Opportunities and Challenges. Frontiers in Plant Science, 2021, 12, 790919.	3.6	14
45	A secreted catalase contributes to Puccinia striiformis resistance to host-derived oxidative stress. Stress Biology, 2021, 1, 1.	3.1	3
46	Phenotyping and Genotyping Analyses Reveal the Spread of Puccinia striiformis f. sp. tritici Aeciospores From Susceptible Barberry to Wheat in Qinghai of China. Frontiers in Plant Science, 2021, 12, 764304.	3.6	4
47	Regulatory changes in <i>TaSNAC8â€6A</i> are associated with drought tolerance in wheat seedlings. Plant Biotechnology Journal, 2020, 18, 1078-1092.	8.3	73
48	First Report of a <i>Puccinia striiformis</i> f. sp. <i>tritici</i> Race Virulent to Wheat Stripe Rust Resistance Gene <i>Yr5</i> in China. Plant Disease, 2020, 104, 284.	1.4	29
49	A stripe rust effector Pst18363 targets and stabilises TaNUDX23 that promotes stripe rust disease. New Phytologist, 2020, 225, 880-895.	7.3	60
50	The improved assembly of 7DL chromosome provides insight into the structure and evolution of bread wheat. Plant Biotechnology Journal, 2020, 18, 732-742.	8.3	6
51	Stripe rust resistance genes in a set of Ethiopian bread wheat cultivars and breeding lines. Euphytica, 2020, 216, 1.	1.2	9
52	<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
53	Haustoria â€œ arsenals during the interaction between wheat and <i>Puccinia striiformis</i> f. sp. <i>tritici</i>. Molecular Plant Pathology, 2020, 21, 83-94.	4.2	34
54	A Cuâ€only superoxide dismutase from stripe rust fungi functions as a virulence factor deployed for counter defense against hostâ€derived oxidative stress. Environmental Microbiology, 2020, 22, 5309-5326.	3.8	11

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55	Constitutive Expression of Arabidopsis Senescence Associated Gene 101 in Brachypodium distachyon Enhances Resistance to Puccinia brachypodii and Magnaporthe oryzae. Plants, 2020, 9, 1316.	3.5	3
56	WGVD: an integrated web-database for wheat genome variation and selective signatures. Database: the Journal of Biological Databases and Curation, 2020, 2020, .	3.0	7
57	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
58	TaClpS1, negatively regulates wheat resistance against Puccinia striiformis f. sp. tritici. BMC Plant Biology, 2020, 20, 555.	3.6	5
59	Genome-wide analysis of the AREB/ABF gene lineage in land plants and functional analysis of TaABF3 in Arabidopsis. BMC Plant Biology, 2020, 20, 558.	3.6	11
60	TaYS1A, a Yellow Stripe-Like Transporter Gene, Is Required for Wheat Resistance to Puccinia striiformis f. sp. Tritici. Genes, 2020, 11, 1452.	2.4	7
61	Hexose transporter <i>Ps</i>HXT1â€mediated sugar uptake is required for pathogenicity of wheat stripe rust. Plant Biotechnology Journal, 2020, 18, 2367-2369.	8.3	21
62	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
63	A new mode of NPR1 action via an NBâ€ARCâ€“NPR1 fusion protein negatively regulates the defence response in wheat to stem rust pathogen. New Phytologist, 2020, 228, 959-972.	7.3	19
64	Alternate Hosts of Puccinia striiformis f. sp. tritici and Their Role. Pathogens, 2020, 9, 434.	2.8	8
65	Association Analysis Identifies New Loci for Resistance to Chinese <i>Yr26</i>-Virulent Races of the Stripe Rust Pathogen in a Diverse Panel of Wheat Germplasm. Plant Disease, 2020, 104, 1751-1762.	1.4	23
66	Study of Inheritance and Linkage of Virulence Genes in a Selfing Population of a Pakistani Dominant Race of Puccinia striiformis f. sp. tritici. International Journal of Molecular Sciences, 2020, 21, 1685.	4.1	8
67	TaRac6 Is a Potential Susceptibility Factor by Regulating the ROS Burst Negatively in the Wheatâ€“Puccinia striiformis f. sp. tritici Interaction. Frontiers in Plant Science, 2020, 11, 716.	3.6	9
68	Identification of a Hyperparasitic Simplicillium obclavatum Strain Affecting the Infection Dynamics of Puccinia striiformis f. sp. tritici on Wheat. Frontiers in Microbiology, 2020, 11, 1277.	3.5	9
69	Identification of Berberis spp. as Alternate Hosts for Puccinia achnatheri-sibirici Under Controlled Conditions and Morphologic Observations of Sexual Stage Development of the Rust Fungus. Frontiers in Microbiology, 2020, 11, 1278.	3.5	3
70	Molecular Characterization of a Novel Ourmia-Like Virus Infecting Phoma matteucciicola. Viruses, 2020, 12, 231.	3.3	14
71	A novel narnavirus isolated from the wheat stripe rust fungus Puccinia striiformis f. sp. tritici. Archives of Virology, 2020, 165, 1011-1014.	2.1	6
72	A polysaccharide deacetylase from <i>Puccinia striiformis</i> f. sp<i>. tritici</i> is an important pathogenicity gene that suppresses plant immunity. Plant Biotechnology Journal, 2020, 18, 1830-1842.	8.3	34

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73	Characterization of wheat homeodomain-leucine zipper family genes and functional analysis of TaHDZ5-6A in drought tolerance in transgenic Arabidopsis. BMC Plant Biology, 2020, 20, 50.	3.6	27
74	Introgression of Two Quantitative Trait Loci for Stripe Rust Resistance into Three Chinese Wheat Cultivars. Agronomy, 2020, 10, 483.	3.0	8
75	TaSTP13 contributes to wheat susceptibility to stripe rust possibly by increasing cytoplasmic hexose concentration. BMC Plant Biology, 2020, 20, 49.	3.6	27
76	MARPLE, a point-of-care, strain-level disease diagnostics and surveillance tool for complex fungal pathogens. BMC Biology, 2019, 17, 65.	3.8	56
77	YR36/WKS1-Mediated Phosphorylation of PsbO, an Extrinsic Member of Photosystem II, Inhibits Photosynthesis and Confers Stripe Rust Resistance in Wheat. Molecular Plant, 2019, 12, 1639-1650.	8.3	49
78	Host-Induced Silencing of Fusarium graminearum Genes Enhances the Resistance of Brachypodium distachyon to Fusarium Head Blight. Frontiers in Plant Science, 2019, 10, 1362.	3.6	19
79	Stripe Rust Effector PstGSRE1 Disrupts Nuclear Localization of ROS-Promoting Transcription Factor TaLOL2 to Defeat ROS-Induced Defense in Wheat. Molecular Plant, 2019, 12, 1624-1638.	8.3	98
80	Genome-Wide Linkage Mapping Reveals Stripe Rust Resistance in Common Wheat (Triticum aestivum) Xinong1376. Plant Disease, 2019, 103, 2742-2750.	1.4	27
81	Wheat AGAMOUS LIKE 6 transcription factors function in stamen development by regulating the expression of Ta APETALA3. Development (Cambridge), 2019, 146, .	2.5	14
82	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
83	Complete genomic sequence and organization of a novel mycovirus from Phoma matteuccicola strain LG915. Archives of Virology, 2019, 164, 2209-2213.	2.1	6
84	Combining genome-wide linkage mapping with extreme pool genotyping for stripe rust resistance gene identification in bread wheat. Molecular Breeding, 2019, 39, 1.	2.1	2
85	Inheritance of Virulence and Linkages of Virulence Genes in an Ethiopian Isolate of the Wheat Stripe Rust Pathogen (Puccinia striiformis f. sp. tritici) Determined Through Sexual Recombination on Berberis holstii (Retracted). Plant Disease, 2019, 103, 2451-2459.	1.4	4
86	PsRPs26, a 40S Ribosomal Protein Subunit, Regulates the Growth and Pathogenicity of Puccinia striiformis f. sp. Tritici. Frontiers in Microbiology, 2019, 10, 968.	3.5	6
87	Identification of sources of resistance in geographically diverse wheat accessions to stripe rust pathogen in China. Crop Protection, 2019, 122, 1-8.	2.1	10
88	Stripe rust resistance to a burgeoning Puccinia striiformis f. sp. tritici race CYR34 in current Chinese wheat cultivars for breeding and research. Euphytica, 2019, 215, 1.	1.2	16
89	Genome-wide mapping of adult plant stripe rust resistance in wheat cultivar Toni. Theoretical and Applied Genetics, 2019, 132, 1693-1704.	3.6	9
90	A major QTL co-localized on chromosome 6BL and its epistatic interaction for enhanced wheat stripe rust resistance. Theoretical and Applied Genetics, 2019, 132, 1409-1424.	3.6	17

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91	ABA-Induced Sugar Transporter TaSTP6 Promotes Wheat Susceptibility to Stripe Rust. Plant Physiology, 2019, 181, 1328-1343.	4.8	48
92	Trade-Off Between Triadimefon Sensitivity and Pathogenicity in a Selfed Sexual Population of Puccinia striiformis f. sp. Tritici. Frontiers in Microbiology, 2019, 10, 2729.	3.5	8
93	An effector protein of the wheat stripe rust fungus targets chloroplasts and suppresses chloroplast function. Nature Communications, 2019, 10, 5571.	12.8	129
94	Identification of <i>Berberis</i> Species Collected from the Himalayan Region of Pakistan Susceptible to <i>Puccinia striiformis</i> f. sp. <i>tritici</i>. Plant Disease, 2019, 103, 461-467.	1.4	15
95	Complete genome sequence of a novel mitovirus from the wheat stripe rust fungus Puccinia striiformis. Archives of Virology, 2019, 164, 897-901.	2.1	14
96	Genetic architecture of wheat stripe rust resistance revealed by combining QTL mapping using SNP-based genetic maps and bulked segregant analysis. Theoretical and Applied Genetics, 2019, 132, 443-455.	3.6	31
97	TaCIPK10 interacts with and phosphorylates TaNH2 to activate wheat defense responses to stripe rust. Plant Biotechnology Journal, 2019, 17, 956-968.	8.3	40
98	Host-Induced Gene Silencing: A Powerful Strategy to Control Diseases of Wheat and Barley. International Journal of Molecular Sciences, 2019, 20, 206.	4.1	111
99	Utilization of the Genomewide Wheat 55K SNP Array for Genetic Analysis of Stripe Rust Resistance in Common Wheat Line P9936. Phytopathology, 2019, 109, 819-827.	2.2	41
100	Genome-wide Mapping for Stripe Rust Resistance Loci in Common Wheat Cultivar Qinnong 142. Plant Disease, 2019, 103, 439-447.	1.4	38
101	Wheat stripe rust resistance gene Yr24/Yr26: A retrospective review. Crop Journal, 2018, 6, 321-329.	5.2	62
102	SNP-based pool genotyping and haplotype analysis accelerate fine-mapping of the wheat genomic region containing stripe rust resistance gene Yr26. Theoretical and Applied Genetics, 2018, 131, 1481-1496.	3.6	61
103	A novel MADSâ€box transcription factor <i>PstMCM1â€1</i> is responsible for full virulence of <i>Puccinia striiformis</i> f. sp. <i>tritici</i>. Environmental Microbiology, 2018, 20, 1452-1463.	3.8	12
104	TaNTF2 , a contributor for wheat resistance to the stripe rust pathogen. Plant Physiology and Biochemistry, 2018, 123, 260-267.	5.8	12
105	A novel wheat NAC transcription factor, <i>Ta</i>NAC30, negatively regulates resistance of wheat to stripe rust. Journal of Integrative Plant Biology, 2018, 60, 432-443.	8.5	51
106	Histological and cytological studies of plant infection by Erysiphe euonymi-japonici. Protoplasma, 2018, 255, 1613-1620.	2.1	2
107	The transcription factor <i>PstSTE12</i> is required for virulence of <i>Puccinia striiformis</i> f. sp. <i>tritici</i>. Molecular Plant Pathology, 2018, 19, 961-974.	4.2	18
108	Rapid identification of an adult plant stripe rust resistance gene in hexaploid wheat by high-throughput SNP array genotyping of pooled extremes. Theoretical and Applied Genetics, 2018, 131, 43-58.	3.6	80

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109	Hostâ€induced gene silencing of an important pathogenicity factor <i><scp>P</scp>s<scp>CPK</scp>1</i> in <i>Puccinia striiformis</i> f. sp. <i>tritici</i> enhances resistance of wheat to stripe rust. Plant Biotechnology Journal, 2018, 16, 797-807.	8.3	97
110	Combining Single Nucleotide Polymorphism Genotyping Array with Bulked Segregant Analysis to Map a Gene Controlling Adult Plant Resistance to Stripe Rust in Wheat Line 03031-1-5 H62. Phytopathology, 2018, 108, 103-113.	2.2	27
111	Comparative genome-wide mapping versus extreme pool-genotyping and development of diagnostic SNP markers linked to QTL for adult plant resistance to stripe rust in common wheat. Theoretical and Applied Genetics, 2018, 131, 1777-1792.	3.6	29
112	Candidate Effector Pst_8713 Impairs the Plant Immunity and Contributes to Virulence of Puccinia striiformis f. sp. tritici. Frontiers in Plant Science, 2018, 9, 1294.	3.6	45
113	A novel citrate synthase isoform contributes infection and stress resistance of the stripe rust fungus. Environmental Microbiology, 2018, 20, 4037-4050.	3.8	16
114	Corrigendum to: The calcium sensor TaCBL4 and its interacting protein TaCIPK5 are required for wheat resistance to stripe rust fungus. Journal of Experimental Botany, 2018, 69, 5309-5309.	4.8	5
115	Role of the BUB3 protein in phragmoplast microtubule reorganization during cytokinesis. Nature Plants, 2018, 4, 485-494.	9.3	27
116	Genome-Wide Identification of Cyclic Nucleotide-Gated Ion Channel Gene Family in Wheat and Functional Analyses of TaCNGC14 and TaCNGC16. Frontiers in Plant Science, 2018, 9, 18.	3.6	44
117	Inheritance and Linkage of Virulence Genes in Chinese Predominant Race CYR32 of the Wheat Stripe Rust Pathogen Puccinia striiformis f. sp. tritici. Frontiers in Plant Science, 2018, 9, 120.	3.6	28
118	TaMAPK4 Acts as a Positive Regulator in Defense of Wheat Stripe-Rust Infection. Frontiers in Plant Science, 2018, 9, 152.	3.6	13
119	Silencing <i>PsKPP4</i>, a MAP kinase kinase kinase gene, reduces pathogenicity of the stripe rust fungus. Molecular Plant Pathology, 2018, 19, 2590-2602.	4.2	8
120	Wheat Gene TaATG8j Contributes to Stripe Rust Resistance. International Journal of Molecular Sciences, 2018, 19, 1666.	4.1	12
121	The calcium sensor TaCBL4 and its interacting protein TaCIPK5 are required for wheat resistance to stripe rust fungus. Journal of Experimental Botany, 2018, 69, 4443-4457.	4.8	49
122	Basidiospores of Puccinia striiformis f. sp. tritici succeed to infect barberry, while Urediniospores are blocked by non-host resistance. Protoplasma, 2017, 254, 2237-2246.	2.1	7
123	<i>Puccinia striiformis</i> f. sp. <i>tritici</i> mi<scp>croRNA</scp>â€like <scp>RNA</scp> 1 (<i>Pst</i>â€milR1), an important pathogenicity factor of <i>Pst</i>, impairs wheat resistance to <i>Pst</i> by suppressing the wheat pathogenesisâ€related 2 gene. New Phytologist, 2017, 215, 338-350.	7.3	168
124	Rapid identification of a major effect QTL conferring adult plant resistance to stripe rust in wheat cultivar Yacoâ€œSâ€. Euphytica, 2017, 213, 1.	1.2	7
125	Host-Induced Gene Silencing of the MAPKK Gene <i>PsFUZ7</i> Confers Stable Resistance to Wheat Stripe Rust. Plant Physiology, 2017, 175, 1853-1863.	4.8	75
126	Overexpression of <i>AtPAD4</i> in transgenic <i>Brachypodium distachyon</i> enhances resistance to <i>Puccinia brachypodii</i>. Plant Biology, 2017, 19, 868-874.	3.8	13

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127	Development and Validation of KASP-SNP Markers for QTL Underlying Resistance to Stripe Rust in Common Wheat Cultivar P10057. Plant Disease, 2017, 101, 2079-2087.	1.4	46
128	Variability of the Stripe Rust Pathogen. , 2017, , 35-154.		25
129	A unique invertase is important for sugar absorption of an obligate biotrophic pathogen during infection. New Phytologist, 2017, 215, 1548-1561.	7.3	47
130	Basidiomyceteâ€specific <i>PsCaMKL1</i> encoding a CaMKâ€like protein kinase is required for full virulence of <i>Puccinia striiformis</i> f. sp. <i>tritici</i>. Environmental Microbiology, 2017, 19, 4177-4189.	3.8	7
131	The non-host pathogen Puccinia triticina elicits an active transcriptional response in rice. European Journal of Plant Pathology, 2017, 147, 553-569.	1.7	1
132	<scp>PST</scp>ha5a23, a candidate effector from the obligate biotrophic pathogen <scp><i>P</i></scp><i>uccinia striiformis</i> f. sp. <i>tritici</i>, is involved in plant defense suppression and rust pathogenicity. Environmental Microbiology, 2017, 19, 1717-1729.	3.8	69
133	TaRar1 Is Involved in Wheat Defense against Stripe Rust Pathogen Mediated by YrSu. Frontiers in Plant Science, 2017, 8, 156.	3.6	19
134	TaDIR1-2, a Wheat Ortholog of Lipid Transfer Protein AtDIR1 Contributes to Negative Regulation of Wheat Resistance against Puccinia striiformis f. sp. tritici. Frontiers in Plant Science, 2017, 8, 521.	3.6	29
135	Saturation Mapping of a Major Effect QTL for Stripe Rust Resistance on Wheat Chromosome 2B in Cultivar Napo 63 Using SNP Genotyping Arrays. Frontiers in Plant Science, 2017, 8, 653.	3.6	34
136	Identification of a Novel Alternaria alternata Strain Able to Hyperparasitize Puccinia striiformis f. sp. tritici, the Causal Agent of Wheat Stripe Rust. Frontiers in Microbiology, 2017, 8, 71.	3.5	27
137	Molecular Characterization of Novel Totivirus-Like Double-Stranded RNAs from Puccinia striiformis f. sp. tritici, the Causal Agent of Wheat Stripe Rust. Frontiers in Microbiology, 2017, 8, 1960.	3.5	16
138	GÎ± proteins Gvm2 and Gvm3 regulate vegetative growth, asexual development, and pathogenicityon apple in Valsa mali. PLoS ONE, 2017, 12, e0173141.	2.5	24
139	Determination of heterozygosity for avirulence/virulence loci through sexual hybridization of Puccinia striiformis f. sp. tritici. Frontiers of Agricultural Science and Engineering, 2017, 4, 48.	1.4	13
140	Nitric Oxide and Reactive Oxygen Species Coordinately Regulate the Germination of Puccinia striiformis f. sp. tritici Urediniospores. Frontiers in Microbiology, 2016, 7, 178.	3.5	20
141	FgPrp4 Kinase Is Important for Spliceosome B-Complex Activation and Splicing Efficiency in Fusarium graminearum. PLoS Genetics, 2016, 12, e1005973.	3.5	27
142	TaSYP71, a Qc-SNARE, Contributes to Wheat Resistance against Puccinia striiformis f. sp. tritici. Frontiers in Plant Science, 2016, 7, 544.	3.6	16
143	TaTypA, a Ribosome-Binding GTPase Protein, Positively Regulates Wheat Resistance to the Stripe Rust Fungus. Frontiers in Plant Science, 2016, 7, 873.	3.6	12
144	Characterization and Genetic Analysis of Rice Mutant crr1 Exhibiting Compromised Non-host Resistance to Puccinia striiformis f. sp. tritici (Pst). Frontiers in Plant Science, 2016, 7, 1822.	3.6	8

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145	Genetic Analysis and Molecular Mapping of a Stripe Rust Resistance Gene in Chinese Wheat Differential Guinong 22. Journal of Phytopathology, 2016, 164, 476-484.	1.0	9
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