Zhensheng Kang

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196 papers	3,216 citations	30 h-index	45 g-index
228 ext. papers	5,215 ext. citations	5.2 avg, IF	5.36 L-index

#	Paper	IF	Citations
196	High genome heterozygosity and endemic genetic recombination in the wheat stripe rust fungus. *Nature Communications*, **2013**, 4, 2673	17.4	148
195	Identification of eighteen Berberis species as alternate hosts of Puccinia striiformis f. sp. tritici and virulence variation in the pathogen isolates from natural infection of barberry plants in China. *Phytopathology*, **2013**, 103, 927-34	3.8	92
194	The stripe rust resistance gene Yr10 encodes an evolutionary-conserved and unique CC-NBS-LRR sequence in wheat. *Molecular Plant*, **2014**, 7, 1740-55	14.4	88
193	Puccinia striiformis f. sp. tritici microRNA-like RNA 1 (Pst-milR1), an important pathogenicity factor of Pst, impairs wheat resistance to Pst by suppressing the wheat pathogenesis-related 2 gene. *New Phytologist*, **2017**, 215, 338-350	9.8	84
192	Genome-wide A-to-I RNA editing in fungi independent of ADAR enzymes. *Genome Research*, **2016**, 26, 499-509	9.7	74
191	Genome sequence of Valsa canker pathogens uncovers a potential adaptation of colonization of woody bark. *New Phytologist*, **2015**, 208, 1202-16	9.8	74
190	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. *New Phytologist*, **2011**, 191, 418-431	9.8	73
189	Role of Alternate Hosts in Epidemiology and Pathogen Variation of Cereal Rusts. *Annual Review of Phytopathology*, **2016**, 54, 207-28	10.8	67
188	Host-Induced Gene Silencing: A Powerful Strategy to Control Diseases of Wheat and Barley. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	63
187	Host-induced gene silencing of an important pathogenicity factor PsCPK1 in Puccinia striiformis f. sp. tritici enhances resistance of wheat to stripe rust. *Plant Biotechnology Journal*, **2018**, 16, 797-807	11.6	60
186	SSR and STS markers for wheat stripe rust resistance gene Yr26. *Euphytica*, **2008**, 159, 359-366	2.1	57
185	TaMCA4, a novel wheat metacaspase gene functions in programmed cell death induced by the fungal pathogen Puccinia striiformis f. sp. tritici. *Molecular Plant-Microbe Interactions*, **2012**, 25, 755-64	3.6	52
184	TaADF7, an actin-depolymerizing factor, contributes to wheat resistance against Puccinia striiformis f. sp. tritici. *Plant Journal*, **2014**, 78, 16-30	6.9	49
183	Identification of expressed genes during compatible interaction between stripe rust (Puccinia striiformis) and wheat using a cDNA library. *BMC Genomics*, **2009**, 10, 586	4.5	48
182	An effector protein of the wheat stripe rust fungus targets chloroplasts and suppresses chloroplast function. *Nature Communications*, **2019**, 10, 5571	17.4	46
181	Host-Induced Gene Silencing of the MAPKK Gene Confers Stable Resistance to Wheat Stripe Rust. *Plant Physiology*, **2017**, 175, 1853-1863	6.6	42
180	Delimiting cryptic pathogen species causing apple Valsa canker with multilocus data. *Ecology and Evolution*, **2014**, 4, 1369-80	2.8	42

179	Transcriptome profiling to identify genes involved in pathogenicity of Valsa mali on apple tree. *Fungal Genetics and Biology*, **2014**, 68, 31-8	3.9	40
178	Virulence Variations of Puccinia striiformis f. sp. tritici Isolates Collected from Berberis spp. in China. *Plant Disease*, **2016**, 100, 131-138	1.5	39
177	Overexpression of a Wheat CCaMK Gene Reduces ABA Sensitivity of Arabidopsis thaliana During Seed Germination and Seedling Growth. *Plant Molecular Biology Reporter*, **2011**, 29, 681-692	1.7	38
176	PSTha5a23, a candidate effector from the obligate biotrophic pathogen Puccinia striiformis f. sp. tritici, is involved in plant defense suppression and rust pathogenicity. *Environmental Microbiology*, **2017**, 19, 1717-1729	5.2	37
175	Candidate effector proteins of the necrotrophic apple canker pathogen Valsa mali can suppress BAX-induced PCD. *Frontiers in Plant Science*, **2015**, 6, 579	6.2	37
174	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	6	36
173	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	6	35
172	Monodehydroascorbate reductase gene, regulated by the wheat PN-2013 miRNA, contributes to adult wheat plant resistance to stripe rust through ROS metabolism. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2014**, 1839, 1-12	6	35
171	Transcriptome Analysis Provides Insights into the Mechanisms Underlying Wheat Plant Resistance to Stripe Rust at the Adult Plant Stage. *PLoS ONE*, **2016**, 11, e0150717	3.7	35
170	Characterization of protein kinase PsSRPKL, a novel pathogenicity factor in the wheat stripe rust fungus. *Environmental Microbiology*, **2015**, 17, 2601-17	5.2	32
169	A novel wheat NAC transcription factor, TaNAC30, negatively regulates resistance of wheat to stripe rust. *Journal of Integrative Plant Biology*, **2018**, 60, 432-443	8.3	31
168	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	14.4	31
167	Virulence and Simple Sequence Repeat Marker Segregation in a Puccinia striiformis f. sp. tritici Population Produced by Selfing a Chinese Isolate on Berberis shensiana. *Phytopathology*, **2016**, 106, 185-91	3.8	30
166	Determining the basis of nonhost resistance in rice to cereal rusts. *Euphytica*, **2011**, 179, 33-40	2.1	30
165	A Conserved Puccinia striiformis Protein Interacts with Wheat NPR1 and Reduces Induction of Pathogenesis-Related Genes in Response to Pathogens. *Molecular Plant-Microbe Interactions*, **2016**, 29, 977-989	3.6	30
164	Regulatory changes in TaSNAC8-6A are associated with drought tolerance in wheat seedlings. *Plant Biotechnology Journal*, **2020**, 18, 1078-1092	11.6	29
163	The development of a PCR-based method for detecting Puccinia striiformis latent infections in wheat leaves. *European Journal of Plant Pathology*, **2008**, 120, 241-247	2.1	28
162	Wheat stripe rust resistance gene Yr24/Yr26: A retrospective review. *Crop Journal*, **2018**, 6, 321-329	4.6	27

161	MARPLE, a point-of-care, strain-level disease diagnostics and surveillance tool for complex fungal pathogens. *BMC Biology*, **2019**, 17, 65	7.3	27
160	Wheat hypersensitive-induced reaction genes TaHIR1 and TaHIR3 are involved in response to stripe rust fungus infection and abiotic stresses. *Plant Cell Reports*, **2013**, 32, 273-83	5.1	27
159	TaDAD2, a negative regulator of programmed cell death, is important for the interaction between wheat and the stripe rust fungus. *Molecular Plant-Microbe Interactions*, **2011**, 24, 79-90	3.6	27
158	Down-regulation of a wheat alkaline/neutral invertase correlates with reduced host susceptibility to wheat stripe rust caused by Puccinia striiformis. *Journal of Experimental Botany*, **2015**, 66, 7325-38	7	26
157	Histological and molecular studies of the non-host interaction between wheat and Uromyces fabae. *Planta*, **2011**, 234, 979-91	4.7	26
156	Wheat TaNPSN SNARE homologues are involved in vesicle-mediated resistance to stripe rust (Puccinia striiformis f. sp. tritici). *Journal of Experimental Botany*, **2014**, 65, 4807-20	7	25
155	Ultrastructural and cytochemical studies on the infection process of Sclerotinia sclerotiorum in oilseed rape. *Journal of Plant Diseases and Protection*, **2008**, 115, 9-16	1.5	25
154	Genome-Wide Identification of Cyclic Nucleotide-Gated Ion Channel Gene Family in Wheat and Functional Analyses of and. *Frontiers in Plant Science*, **2018**, 9, 18	6.2	24
153	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	6.2	24
152	A unique invertase is important for sugar absorption of an obligate biotrophic pathogen during infection. *New Phytologist*, **2017**, 215, 1548-1561	9.8	23
151	TaADF3, an Actin-Depolymerizing Factor, Negatively Modulates Wheat Resistance Against Puccinia striiformis. *Frontiers in Plant Science*, **2015**, 6, 1214	6.2	23
150	An extracellular Zn-only superoxide dismutase from Puccinia striiformis confers enhanced resistance to host-derived oxidative stress. *Environmental Microbiology*, **2016**, 18, 4118-4135	5.2	22
149	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	7	22
148	Genetic and Molecular Mapping of Stripe Rust Resistance Gene in Wheat-Psathyrostachys huashanica Translocation Line H9020-1-6-8-3. *Plant Disease*, **2012**, 96, 1482-1487	1.5	22
147	Candidate Effector Pst_8713 Impairs the Plant Immunity and Contributes to Virulence of f. sp.. *Frontiers in Plant Science*, **2018**, 9, 1294	6.2	22
146	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	14.4	21
145	TaEIL1, a wheat homologue of AtEIN3, acts as a negative regulator in the wheat-stripe rust fungus interaction. *Molecular Plant Pathology*, **2013**, 14, 728-39	5.7	21
144	Biological control of oilseed rape Sclerotinia stem rot by Bacillus subtilis strain Em7. *Biocontrol Science and Technology*, **2014**, 24, 39-52	1.7	21

143	ABA-Induced Sugar Transporter TaSTP6 Promotes Wheat Susceptibility to Stripe Rust. *Plant Physiology*, **2019**, 181, 1328-1343	6.6	21
142	Exploration of microRNAs and their targets engaging in the resistance interaction between wheat and stripe rust. *Frontiers in Plant Science*, **2015**, 6, 469	6.2	20
141	FgPrp4 Kinase Is Important for Spliceosome B-Complex Activation and Splicing Efficiency in Fusarium graminearum. *PLoS Genetics*, **2016**, 12, e1005973	6	20
140	TaCIPK10 interacts with and phosphorylates TaNH2 to activate wheat defense responses to stripe rust. *Plant Biotechnology Journal*, **2019**, 17, 956-968	11.6	20
139	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. *PLoS ONE*, **2015**, 10, e0130362	3.7	19
138	A stripe rust effector Pst18363 targets and stabilises TaNUDX23 that promotes stripe rust disease. *New Phytologist*, **2020**, 225, 880-895	9.8	19
137	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	6	19
136	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	5.4	18
135	TaDIR1-2, a Wheat Ortholog of Lipid Transfer Protein AtDIR1 Contributes to Negative Regulation of Wheat Resistance against f. sp.. *Frontiers in Plant Science*, **2017**, 8, 521	6.2	18
134	A Nested PCR Assay for Detecting Valsa mali var. mali in Different Tissues of Apple Trees. *Plant Disease*, **2012**, 96, 1645-1652	1.5	18
133	Comparative virulence phenotypes and molecular genotypes of Puccinia striiformis f. sp. tritici, the wheat stripe rust pathogen in China and the United States. *Fungal Biology*, **2012**, 116, 643-53	2.8	18
132	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	3.8	17
131	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	1.5	17
130	A novel fungal hyperparasite of Puccinia striiformis f. sp. tritici, the causal agent of wheat stripe rust. *PLoS ONE*, **2014**, 9, e111484	3.7	17
129	A large-scale genomic association analysis identifies the candidate causal genes conferring stripe rust resistance under multiple field environments. *Plant Biotechnology Journal*, **2021**, 19, 177-191	11.6	17
128	Spatial genetic diversity and interregional spread of Puccinia striiformis f. sp. tritici in Northwest China. *European Journal of Plant Pathology*, **2011**, 131, 685-693	2.1	16
127	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	6	16
126	Virulence and Molecular Diversity of the Puccinia striiformis f. sp. tritici Population in Xinjiang in Relation to Other Regions of Western China. *Plant Disease*, **2016**, 100, 99-107	1.5	15

125	Endophytic Bacillus subtilis strain E1R-J is a promising biocontrol agent for wheat powdery mildew. *BioMed Research International*, **2015**, 2015, 462645	3	15
124	Inheritance and Linkage of Virulence Genes in Chinese Predominant Race CYR32 of the Wheat Stripe Rust Pathogen f. sp.. *Frontiers in Plant Science*, **2018**, 9, 120	6.2	14
123	Variability of the Stripe Rust Pathogen **2017**, 35-154		14
122	WheatOmics: A platform combining multiple omics data to accelerate functional genomics studies in wheat. *Molecular Plant*, **2021**, 14, 1965-1968	14.4	14
121	Nitric Oxide and Reactive Oxygen Species Coordinately Regulate the Germination of Puccinia striiformis f. sp. tritici Urediniospores. *Frontiers in Microbiology*, **2016**, 7, 178	5.7	14
120	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	3.8	14
119	Isolation and characterisation of cDNA encoding a wheat heavy metal-associated isoprenylated protein involved in stress responses. *Plant Biology*, **2015**, 17, 1176-86	3.7	13
118	Quantitative Proteomics Reveals the Defense Response of Wheat against Puccinia striiformis f. sp. tritici. *Scientific Reports*, **2016**, 6, 34261	4.9	13
117	Is Involved in Wheat Defense against Stripe Rust Pathogen Mediated by. *Frontiers in Plant Science*, **2017**, 8, 156	6.2	13
116	PsANT, the adenine nucleotide translocase of Puccinia striiformis, promotes cell death and fungal growth. *Scientific Reports*, **2015**, 5, 11241	4.9	13
115	A polysaccharide deacetylase from Puccinia striiformis f. sp. tritici is an important pathogenicity gene that suppresses plant immunity. *Plant Biotechnology Journal*, **2020**, 18, 1830-1842	11.6	12
114	Identification of a Novel Strain Able to Hyperparasitize f. sp. , the Causal Agent of Wheat Stripe Rust. *Frontiers in Microbiology*, **2017**, 8, 71	5.7	12
113	Transcription Factors Shared by BTH-Induced Resistance and -Mediated Acquired Resistance Improve Broad-Spectrum Disease Resistance in Wheat. *Molecular Plant-Microbe Interactions*, **2020**, 33, 433-443	3.6	12
112	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	6	11
111	Association Analysis Identifies New Loci for Resistance to Chinese -Virulent Races of the Stripe Rust Pathogen in a Diverse Panel of Wheat Germplasm. *Plant Disease*, **2020**, 104, 1751-1762	1.5	11
110	Immunolocalization of 1,3-□Glucanases Secreted by Gaeumannomyces graminis var. tritici in Infected Wheat Roots. *Journal of Phytopathology*, **2010**, 158, 344-350	1.8	11
109	TaMDAR6 acts as a negative regulator of plant cell death and participates indirectly in stomatal regulation during the wheat stripe rust-fungus interaction. *Physiologia Plantarum*, **2016**, 156, 262-77	4.6	11
108	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	5.3	10

107	TaMCA1, a regulator of cell death, is important for the interaction between wheat and Puccinia striiformis. *Scientific Reports*, **2016**, 6, 26946	4.9	10
106	TaAbc1, a member of Abc1-like family involved in hypersensitive response against the stripe rust fungal pathogen in wheat. *PLoS ONE*, **2013**, 8, e58969	3.7	10
105	Haustoria - arsenals during the interaction between wheat and Puccinia striiformis f. sp. tritici. *Molecular Plant Pathology*, **2020**, 21, 83-94	5.7	10
104	TaSYP71, a Qc-SNARE, Contributes to Wheat Resistance against Puccinia striiformis f. sp. tritici. *Frontiers in Plant Science*, **2016**, 7, 544	6.2	10
103	TaAMT2;3a, a wheat AMT2-type ammonium transporter, facilitates the infection of stripe rust fungus on wheat. *BMC Plant Biology*, **2019**, 19, 239	5.3	9
102	G□proteins Gvm2 and Gvm3 regulate vegetative growth, asexual development, and pathogenicityon apple in Valsa mali. *PLoS ONE*, **2017**, 12, e0173141	3.7	9
101	Identification of microRNAs and their corresponding targets involved in the susceptibility interaction of wheat response to Puccinia striiformis f. sp. tritici. *Physiologia Plantarum*, **2016**, 157, 95-107	4.6	9
100	Two distinct Ras genes from Puccinia striiformis exhibit differential roles in rust pathogenicity and cell death. *Environmental Microbiology*, **2016**, 18, 3910-3922	5.2	9
99	Host-Induced Silencing of Genes Enhances the Resistance of to Head Blight. *Frontiers in Plant Science*, **2019**, 10, 1362	6.2	9
98	Molecular Characterization of Novel Totivirus-Like Double-Stranded RNAs from f. sp. , the Causal Agent of Wheat Stripe Rust. *Frontiers in Microbiology*, **2017**, 8, 1960	5.7	9
97	Proteomic analysis of rice nonhost resistance to Puccinia striiformis f. sp. tritici using two-dimensional electrophoresis. *International Journal of Molecular Sciences*, **2014**, 15, 21644-59	6.3	9
96	Race Composition of Puccinia striiformis f. sp. tritici in Tibet, China. *Plant Disease*, **2012**, 96, 1615-1620	1.5	9
95	TaSTP13 contributes to wheat susceptibility to stripe rust possibly by increasing cytoplasmic hexose concentration. *BMC Plant Biology*, **2020**, 20, 49	5.3	9
94	TaTypA, a Ribosome-Binding GTPase Protein, Positively Regulates Wheat Resistance to the Stripe Rust Fungus. *Frontiers in Plant Science*, **2016**, 7, 873	6.2	9
93	Role of the BUB3 protein in phragmoplast microtubule reorganization during cytokinesis. *Nature Plants*, **2018**, 4, 485-494	11.5	9
92	TaNTF2, a contributor for wheat resistance to the stripe rust pathogen. *Plant Physiology and Biochemistry*, **2018**, 123, 260-267	5.4	8
91	The transcription factor PstSTE12 is required for virulence of Puccinia striiformis f. sp. tritici. *Molecular Plant Pathology*, **2018**, 19, 961-974	5.7	8
90	Development of Race-Specific SCAR Markers for Detection of Chinese Races CYR32 and CYR33 of Puccinia striiformis f. sp. tritici. *Plant Disease*, **2010**, 94, 221-228	1.5	8

89	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	5.4	8
88	Wheat AGAMOUS LIKE 6 transcription factors function in stamen development by regulating the expression of. *Development (Cambridge)*, **2019**, 146,	6.6	7
87	Identification of sources of resistance in geographically diverse wheat accessions to stripe rust pathogen in China. *Crop Protection*, **2019**, 122, 1-8	2.7	7
86	Hexose transporter PsHXT1-mediated sugar uptake is required for pathogenicity of wheat stripe rust. *Plant Biotechnology Journal*, **2020**, 18, 2367-2369	11.6	7
85	Complete genome sequence of a novel mitovirus from the wheat stripe rust fungus Puccinia striiformis. *Archives of Virology*, **2019**, 164, 897-901	2.6	7
84	Genome-Wide Identification of Effector Candidates With Conserved Motifs From the Wheat Leaf Rust Fungus. *Frontiers in Microbiology*, **2020**, 11, 1188	5.7	6
83	Molecular Characterization of a Novel Ourmia-Like Virus Infecting. *Viruses*, **2020**, 12,	6.2	6
82	A novel MADS-box transcription factor PstMCM1-1 is responsible for full virulence of Puccinia striiformis f. sp. tritici. *Environmental Microbiology*, **2018**, 20, 1452-1463	5.2	6
81	The cloning and characterization of a DEAD-Box RNA helicase from stress-responsive wheat. *Physiological and Molecular Plant Pathology*, **2014**, 88, 36-42	2.6	6
80	Overexpression of AtPAD4 in transgenic Brachypodium distachyon enhances resistance to Puccinia brachypodii. *Plant Biology*, **2017**, 19, 868-874	3.7	6
79	Identification of wheat proteins with altered expression levels in leaves infected by the stripe rust pathogen. *Acta Physiologiae Plantarum*, **2011**, 33, 2423-2435	2.6	6
78	Variation in cis-Regulation of a NAC Transcription Factor Contributes to Drought Tolerance in Wheat. *Molecular Plant*, **2021**,	14.4	6
77	First Report of a Puccinia striiformis f. sp. tritici Race Virulent to Wheat Stripe Rust Resistance Gene Yr5 in China. *Plant Disease*, **2020**, 104, 284	1.5	6
76	Overexpression of the wheat NAC transcription factor TaSNAC4-3A gene confers drought tolerance in transgenic Arabidopsis. *Plant Physiology and Biochemistry*, **2021**, 160, 37-50	5.4	6
75	Genetic Analysis and Molecular Mapping of a Stripe Rust Resistance Gene in Chinese Wheat Differential Guinong 22. *Journal of Phytopathology*, **2016**, 164, 476-484	1.8	6
74	Identification of Berberis Species Collected from the Himalayan Region of Pakistan Susceptible to Puccinia striiformis f. sp. tritici. *Plant Disease*, **2019**, 103, 461-467	1.5	6
73	Genome-wide Mapping for Stripe Rust Resistance Loci in Common Wheat Cultivar Qinnong 142. *Plant Disease*, **2019**, 103, 439-447	1.5	6
72	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	2.1	5

71	Silencing PsKPP4, a MAP kinase kinase kinase gene, reduces pathogenicity of the stripe rust fungus. *Molecular Plant Pathology*, **2018**, 19, 2590-2602	5.7	5
70	Wheat Gene Contributes to Stripe Rust Resistance. *International Journal of Molecular Sciences*, **2018** , 19,	6.3	5
69	Population genetic diversity of Puccinia striiformis f. sp. tritici on different wheat varieties in Tianshui, Gansu Province. *World Journal of Microbiology and Biotechnology*, **2013**, 29, 173-81	4.4	5
68	Determination of the Role of Berberis spp. in Wheat Stem Rust in China. *Plant Disease*, **2015**, 99, 1113-1117	1.5	5
67	Light and Electron Microscopy Studies on the Infection of a Wild-type and Metalaxyl-resistant Isolate of Phytophthora sojae in Soybean Hypocotyls. *Journal of Phytopathology*, **2011**, 159, 368-376	1.8	5
66	Characterization and Genetic Analysis of Rice Mutant Exhibiting Compromised Non-host Resistance to f. sp. (). *Frontiers in Plant Science*, **2016**, 7, 1822	6.2	5
65	Trade-Off Between Triadimefon Sensitivity and Pathogenicity in a Selfed Sexual Population of f. sp.. *Frontiers in Microbiology*, **2019**, 10, 2729	5.7	5
64	RNAi-mediated stable silencing of TaCSN5 confers broad-spectrum resistance to Puccinia striiformis f. sp. tritici. *Molecular Plant Pathology*, **2021**, 22, 410-421	5.7	5
63	Comparison of cell death and accumulation of reactive oxygen species in wheat lines with or without Yr36 responding to Puccinia striiformis f. sp. tritici under low and high temperatures at seedling and adult-plant stages. *Protoplasma*, **2016**, 253, 787-802	3.4	4
62	Basidiospores of Puccinia striiformis f. sp. tritici succeed to infect barberry, while Urediniospores are blocked by non-host resistance. *Protoplasma*, **2017**, 254, 2237-2246	3.4	4
61	Rapid identification of a major effect QTL conferring adult plant resistance to stripe rust in wheat cultivar Yaco[illegible]*Euphytica*, **2017**, 213, 1	2.1	4
60	, a 40S Ribosomal Protein Subunit, Regulates the Growth and Pathogenicity of f. sp.. *Frontiers in Microbiology*, **2019**, 10, 968	5.7	4
59	Genome-wide mapping of adult plant stripe rust resistance in wheat cultivar Toni. *Theoretical and Applied Genetics*, **2019**, 132, 1693-1704	6	4
58	Microarray-based identification of conserved microRNA from wheat and their expression profiles response to Puccinia striiformis f. sp. tritici. *Canadian Journal of Plant Pathology*, **2015**, 37, 82-91	1.6	4
57	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	5.3	4
56	Study of Inheritance and Linkage of Virulence Genes in a Selfing Population of a Pakistani Dominant Race of f. sp.. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4
55	Acts as a Positive Regulator in Defense of Wheat Stripe-Rust Infection. *Frontiers in Plant Science*, **2018**, 9, 152	6.2	4
54	Investigation of Host Responses of Different Potato Genotypes at Tissue, Cellular and Subcellular Levels After Infection with Phytophthora infestans. *American Journal of Potato Research*, **2013**, 90, 524-532	2.1	4

53	Basidiomycete-specific PsCaMKL1 encoding a CaMK-like protein kinase is required for full virulence of Puccinia striiformis f. sp. tritici. *Environmental Microbiology*, **2017**, 19, 4177-4189	5.2	4
52	Transcriptional Repression of TaNOX10 by TaWRKY19 Compromises ROS Generation and Enhances Wheat Susceptibility to Stripe Rust.. *Plant Cell*, **2022**,	11.6	4
51	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	1.7	4
50	A Cu-only superoxide dismutase from stripe rust fungi functions as a virulence factor deployed for counter defense against host-derived oxidative stress. *Environmental Microbiology*, **2020**, 22, 5309-5326	5.2	4
49	Genetics of Resistance to Common Root Rot (Spot Blotch), Crown Rot, and Sharp Eyespot in Wheat. *Frontiers in Genetics*, **2021**, 12, 699342	4.5	4
48	, An AP2/ERF Transcription Factor, Is Positively Involved in Wheat Resistance to f. sp.. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
47	A novel citrate synthase isoform contributes infection and stress resistance of the stripe rust fungus. *Environmental Microbiology*, **2018**, 20, 4037-4050	5.2	4
46	Genome-Wide Linkage Mapping Reveals Stripe Rust Resistance in Common Wheat () Xinong1376. *Plant Disease*, **2019**, 103, 2742-2750	1.5	3
45	Inheritance of Virulence and Linkages of Virulence Genes in an Ethiopian Isolate of the Wheat Stripe Rust Pathogen (f. sp.) Determined Through Sexual Recombination on. *Plant Disease*, **2019**, 103, 2451-2459	1.5	3
44	A new mode of NPR1 action via an NB-ARC-NPR1 fusion protein negatively regulates the defence response in wheat to stem rust pathogen. *New Phytologist*, **2020**, 228, 959-972	9.8	3
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