

Xianming Chen

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239
papers

9,220
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87
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253
ext. papers

12,358
ext. citations

3.6
avg, IF

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L-index

#	Paper	IF	Citations
239	A kinase-START gene confers temperature-dependent resistance to wheat stripe rust. <i>Science</i> , 2009 , 323, 1357-60	33.3	490
238	Wheat Stripe Rust Epidemic and Virulence of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> in China in 2002. <i>Plant Disease</i> , 2004 , 88, 896-904	1.5	264
237	The adult plant rust resistance loci Lr34/Yr18 and Lr46/Yr29 are important determinants of partial resistance to powdery mildew in bread wheat line Saar. <i>Theoretical and Applied Genetics</i> , 2008 , 116, 1155-66	6.6	231
236	Wheat stripe (yellow) rust caused by <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Molecular Plant Pathology</i> , 2014 , 15, 433-46	5.7	193
235	Review Article: High-Temperature Adult-Plant Resistance, Key for Sustainable Control of Stripe Rust. <i>American Journal of Plant Sciences</i> , 2013 , 04, 608-627	0.5	191
234	Wheat Stripe Rust Epidemics and Races of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> in the United States in 2000. <i>Plant Disease</i> , 2002 , 86, 39-46	1.5	185
233	A genome-wide association study of resistance to stripe rust (<i>Puccinia striiformis</i> f. sp. <i>tritici</i>) in a worldwide collection of hexaploid spring wheat (<i>Triticum aestivum</i> L.). <i>G3: Genes, Genomes, Genetics</i> , 2015 , 5, 449-65	3.2	177
232	Genome scanning for resistance-gene analogs in rice, barley, and wheat by high-resolution electrophoresis. <i>Theoretical and Applied Genetics</i> , 1998 , 97, 345-355	6	177
231	Wheat stripe rust in China. <i>Australian Journal of Agricultural Research</i> , 2007 , 58, 605		173
230	High-temperature adult-plant (HTAP) stripe rust resistance gene Yr36 from <i>Triticum turgidum</i> ssp. <i>dicoccoides</i> is closely linked to the grain protein content locus Gpc-B1. <i>Theoretical and Applied Genetics</i> , 2005 , 112, 97-105	6	173
229	Genome analyses of the wheat yellow (stripe) rust pathogen <i>Puccinia striiformis</i> f. sp. <i>tritici</i> reveal polymorphic and haustorial expressed secreted proteins as candidate effectors. <i>BMC Genomics</i> , 2013 , 14, 270	4.5	159
228	Effect of population size on the estimation of QTL: a test using resistance to barley stripe rust. <i>Theoretical and Applied Genetics</i> , 2005 , 111, 1260-70	6	155
227	High genome heterozygosity and endemic genetic recombination in the wheat stripe rust fungus. <i>Nature Communications</i> , 2013 , 4, 2673	17.4	148
226	Genetics and molecular mapping of genes for race-specific all-stage resistance and non-race-specific high-temperature adult-plant resistance to stripe rust in spring wheat cultivar Alpowa. <i>Theoretical and Applied Genetics</i> , 2007 , 114, 1277-87	6	145
225	Next generation sequencing provides rapid access to the genome of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> , the causal agent of wheat stripe rust. <i>PLoS ONE</i> , 2011 , 6, e24230	3.7	145
224	Virulence races of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> in 2006 and 2007 and development of wheat stripe rust and distributions, dynamics, and evolutionary relationships of races from 2000 to 2007 in the United States. <i>Canadian Journal of Plant Pathology</i> , 2010 , 32, 315-333	1.6	143
223	Challenges and solutions for stripe rust control in the United States. <i>Australian Journal of Agricultural Research</i> , 2007 , 58, 648		132

222	Relationship Between Virulence Variation and DNA Polymorphism in <i>Puccinia striiformis</i> . <i>Phytopathology</i> , 1993 , 83, 1489	3.8	125
221	Gene Action in Wheat Cultivars for Durable, High-Temperature, Adult-Plant Resistance and Interaction with Race-Specific, Seedling Resistance to <i>Puccinia striiformis</i> . <i>Phytopathology</i> , 1995 , 85, 567	3.8	123
220	Mapping quantitative and qualitative disease resistance genes in a doubled haploid population of barley (<i>Hordeum vulgare</i>). <i>Theoretical and Applied Genetics</i> , 2000 , 101, 580-589	6	107
219	Virulence Characterization of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> Using a New Set of Yr Single-Gene Line Differentials in the United States in 2010. <i>Plant Disease</i> , 2014 , 98, 1534-1542	1.5	106
218	Resistance gene-analog polymorphism markers co-segregating with the YR5 gene for resistance to wheat stripe rust. <i>Theoretical and Applied Genetics</i> , 2003 , 106, 636-43	6	105
217	Mapping and validation of QTL which confer partial resistance to broadly virulent post-2000 North American races of stripe rust in hexaploid wheat. <i>Theoretical and Applied Genetics</i> , 2011 , 123, 143-57	6	101
216	Integration of cultivar resistance and fungicide application for control of wheat stripe rust. <i>Canadian Journal of Plant Pathology</i> , 2014 , 36, 311-326	1.6	100
215	Identifying QTL for high-temperature adult-plant resistance to stripe rust (<i>Puccinia striiformis</i> f. sp. <i>tritici</i>) in the spring wheat (<i>Triticum aestivum</i> L.) cultivar 'Louise'. <i>Theoretical and Applied Genetics</i> , 2009 , 119, 1119-28	6	99
214	Identification of eighteen <i>Berberis</i> species as alternate hosts of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> and virulence variation in the pathogen isolates from natural infection of barberry plants in China. <i>Phytopathology</i> , 2013 , 103, 927-34	3.8	92
213	Virulence Characterization of International Collections of the Wheat Stripe Rust Pathogen, <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Plant Disease</i> , 2013 , 97, 379-386	1.5	90
212	Virulence and Polymorphic DNA Relationships of <i>Puccinia striiformis</i> f. sp. <i>hordeito</i> Other Rusts. <i>Phytopathology</i> , 1995 , 85, 1335	3.8	88
211	Molecular mapping of Yr53, a new gene for stripe rust resistance in durum wheat accession PI 480148 and its transfer to common wheat. <i>Theoretical and Applied Genetics</i> , 2013 , 126, 523-33	6	85
210	Inheritance of Stripe Rust Resistance in Wheat Cultivars Used to Differentiate Races of <i>Puccinia striiformis</i> in North America. <i>Phytopathology</i> , 1992 , 82, 633	3.8	85
209	Characterization and molecular mapping of Yr52 for high-temperature adult-plant resistance to stripe rust in spring wheat germplasm PI 183527. <i>Theoretical and Applied Genetics</i> , 2012 , 125, 847-57	6	83
208	Transcriptome analysis of the wheat- <i>Puccinia striiformis</i> f. sp. <i>tritici</i> interaction. <i>Molecular Plant Pathology</i> , 2008 , 9, 157-69	5.7	78
207	Development of resistance gene analog polymorphism markers for the Yr9 gene resistance to wheat stripe rust. <i>Genome</i> , 2001 , 44, 509-516	2.4	75
206	Quantitative trait loci for non-race-specific, high-temperature adult-plant resistance to stripe rust in wheat cultivar Express. <i>Theoretical and Applied Genetics</i> , 2009 , 118, 631-42	6	73
205	Genetic analysis of adult plant, quantitative resistance to stripe rust in wheat cultivar 'Stephens' in multi-environment trials. <i>Theoretical and Applied Genetics</i> , 2012 , 124, 1-11	6	71

204	Rapid and targeted introgression of genes into popular wheat cultivars using marker-assisted background selection. <i>PLoS ONE</i> , 2009 , 4, e5752	3.7	68
203	Comparative Analysis Highlights Variable Genome Content of Wheat Rusts and Divergence of the Mating Loci. <i>G3: Genes, Genomes, Genetics</i> , 2017 , 7, 361-376	3.2	67
202	Role of Alternate Hosts in Epidemiology and Pathogen Variation of Cereal Rusts. <i>Annual Review of Phytopathology</i> , 2016 , 54, 207-28	10.8	67
201	Generation and analysis of expression sequence tags from haustoria of the wheat stripe rust fungus <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>BMC Genomics</i> , 2009 , 10, 626	4.5	67
200	Identification of Yr59 conferring high-temperature adult-plant resistance to stripe rust in wheat germplasm PI 178759. <i>Theoretical and Applied Genetics</i> , 2014 , 127, 935-45	6	66
199	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	5.3	66
198	Molecular mapping of genes Yr64 and Yr65 for stripe rust resistance in hexaploid derivatives of durum wheat accessions PI 331260 and PI 480016. <i>Theoretical and Applied Genetics</i> , 2014 , 127, 2267-77	6	64
197	Transcriptome analysis of high-temperature adult-plant resistance conditioned by Yr39 during the wheat- <i>Puccinia striiformis</i> f. sp. <i>tritici</i> interaction. <i>Molecular Plant Pathology</i> , 2008 , 9, 479-93	5.7	63
196	Development of Sequence Tagged Site and Cleaved Amplified Polymorphic Sequence Markers for Wheat Stripe Rust Resistance Gene Yr5. <i>Crop Science</i> , 2003 , 43, 2058-2064	2.4	63
195	Mapping of Yr62 and a small-effect QTL for high-temperature adult-plant resistance to stripe rust in spring wheat PI 192252. <i>Theoretical and Applied Genetics</i> , 2014 , 127, 1449-59	6	62
194	Genetic Architecture of Resistance to Stripe Rust in a Global Winter Wheat Germplasm Collection. <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 2237-53	3.2	61
193	Virulence, Frequency, and Distribution of Races of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> and <i>P. striiformis</i> f. sp. <i>hordei</i> Identified in the United States in 2008 and 2009. <i>Plant Disease</i> , 2012 , 96, 67-74	1.5	60
192	Identification and mapping QTL for high-temperature adult-plant resistance to stripe rust in winter wheat (<i>Triticum aestivum</i> L.) cultivar 'Stephens'. <i>Theoretical and Applied Genetics</i> , 2008 , 117, 793-802	6	59
191	Identification of Stripe Rust Resistance Genes in Wheat Genotypes Used to Differentiate North American Races of <i>Puccinia striiformis</i> . <i>Phytopathology</i> , 1992 , 82, 1428	3.8	59
190	Races of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> in the United States in 2011 and 2012 and Comparison with Races in 2010. <i>Plant Disease</i> , 2016 , 100, 966-975	1.5	58
189	Gene Number and Heritability of Wheat Cultivars with Durable, High-Temperature, Adult-Plant (HTAP) Resistance and Interaction of HTAP and Race-Specific Seedling Resistance to <i>Puccinia striiformis</i> . <i>Phytopathology</i> , 1995 , 85, 573	3.8	57
188	Chromosomal Location of Genes for Resistance to <i>Puccinia striiformis</i> in Winter Wheat Cultivars Heines VII, Clement, Moro, Tyee, Tres, and Daws. <i>Phytopathology</i> , 1995 , 85, 1362	3.8	52
187	Emerging Yr26-Virulent Races of <i>Puccinia striiformis</i> f. <i>tritici</i> Are Threatening Wheat Production in the Sichuan Basin, China. <i>Plant Disease</i> , 2015 , 99, 754-760	1.5	51

186	Linkage Maps of Wheat Stripe Rust Resistance Genes Yr5 and Yr15 for Use in Marker-Assisted Selection. <i>Crop Science</i> , 2009 , 49, 1786-1790	2.4	51
185	Cloning and characterization of a wheat beta-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, 1045-52	2.8	51
184	Characterization and molecular mapping of stripe rust resistance gene Yr61 in winter wheat cultivar Pindong 34. <i>Theoretical and Applied Genetics</i> , 2014 , 127, 2349-58	6	48
183	Genome-wide identification of QTL conferring high-temperature adult-plant (HTAP) resistance to stripe rust (<i>Puccinia striiformis</i> f. sp. <i>tritici</i>) in wheat. <i>Molecular Breeding</i> , 2012 , 29, 791-800	3.4	48
182	Yr45, a new wheat gene for stripe rust resistance on the long arm of chromosome 3D. <i>Theoretical and Applied Genetics</i> , 2011 , 122, 189-97	6	48
181	Molecular mapping of a gene for stripe rust resistance in spring wheat cultivar IDO377s. <i>Theoretical and Applied Genetics</i> , 2010 , 121, 195-204	6	47
180	Wheat transcription factor TaWRKY70 is positively involved in high-temperature seedling plant resistance to <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Molecular Plant Pathology</i> , 2017 , 18, 649-661	5.7	46
179	Characterization of Novel Gene Yr79 and Four Additional Quantitative Trait Loci for All-Stage and High-Temperature Adult-Plant Resistance to Stripe Rust in Spring Wheat PI 182103. <i>Phytopathology</i> , 2018 , 108, 737-747	3.8	46
178	Mapping a Large Number of QTL for Durable Resistance to Stripe Rust in Winter Wheat Druchamp Using SSR and SNP Markers. <i>PLoS ONE</i> , 2015 , 10, e0126794	3.7	45
177	Construction and characterization of a full-length cDNA library for the wheat stripe rust pathogen (<i>Puccinia striiformis</i> f. sp. <i>tritici</i>). <i>BMC Genomics</i> , 2007 , 8, 145	4.5	45
176	Chromosomal Location of Genes for Resistance to <i>Puccinia striiformis</i> in Seven Wheat Cultivars with Resistance Genes at the Yr3 and Yr4 Loci. <i>Phytopathology</i> , 1996 , 86, 1228	3.8	45
175	First Report of Oregon Grape (<i>Mahonia aquifolium</i>) as an Alternate Host for the Wheat Stripe Rust Pathogen (<i>Puccinia striiformis</i> f. sp. <i>tritici</i>) Under Artificial Inoculation. <i>Plant Disease</i> , 2013 , 97, 839	1.5	44
174	Molecular mapping of genes for race-specific overall resistance to stripe rust in wheat cultivar Express. <i>Theoretical and Applied Genetics</i> , 2008 , 116, 797-806	6	44
173	Stripe Rust Resistance 2017 , 353-558		41
172	Pathogens which threaten food security: <i>Puccinia striiformis</i> , the wheat stripe rust pathogen. <i>Food Security</i> , 2020 , 12, 239-251	6.7	40
171	Mapping a stripe rust resistance gene YrC591 in wheat variety C591 with SSR and AFLP markers. <i>Theoretical and Applied Genetics</i> , 2009 , 118, 339-46	6	40
170	An ancestral NB-LRR with duplicated 3'UTRs confers stripe rust resistance in wheat and barley. <i>Nature Communications</i> , 2019 , 10, 4023	17.4	39
169	Virulence Variations of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> Isolates Collected from <i>Berberis</i> spp. in China. <i>Plant Disease</i> , 2016 , 100, 131-138	1.5	39

168	Novel Sources of Stripe Rust Resistance Identified by Genome-Wide Association Mapping in Ethiopian Durum Wheat (ssp.). <i>Frontiers in Plant Science</i> , 2017 , 8, 774	6.2	38
167	Wheat BAX inhibitor-1 contributes to wheat resistance to <i>Puccinia striiformis</i> . <i>Journal of Experimental Botany</i> , 2012 , 63, 4571-84	7	38
166	Validation and characterization of a QTL for adult plant resistance to stripe rust on wheat chromosome arm 6BS (Yr78). <i>Theoretical and Applied Genetics</i> , 2017 , 130, 2127-2137	6	37
165	Barberry Does Not Function as an Alternate Host for <i>Puccinia striiformis</i> f. sp. <i>tritici</i> in the U. S. Pacific Northwest Due to Teliospore Degradation and Barberry Phenology. <i>Plant Disease</i> , 2015 , 99, 1500-1506	1.5	37
164	Registration of Snowmass Wheat. <i>Journal of Plant Registrations</i> , 2011 , 5, 87-90	0.7	37
163	Coincident QTL Which Determine Seedling and Adult Plant Resistance to Stripe Rust in Barley. <i>Crop Science</i> , 2002 , 42, 1701-1708	2.4	37
162	Models for predicting potential yield loss of wheat caused by stripe rust in the U.S. Pacific Northwest. <i>Phytopathology</i> , 2011 , 101, 544-54	3.8	36
161	Stripe Rust Resistance in the Wheat Cultivar Jagger is Due to Yr17 and a Novel Resistance Gene. <i>Crop Science</i> , 2011 , 51, 2455-2465	2.4	36
160	Diseases which Challenge Global Wheat Production The Wheat Rusts	89-124	36
159	Molecular mapping of a stripe rust resistance gene in spring wheat cultivar Zak. <i>Phytopathology</i> , 2009 , 99, 1209-15	3.8	36
158	Pyramiding and Validation of Quantitative Trait Locus (QTL) Alleles Determining Resistance to Barley Stripe Rust. <i>Crop Science</i> , 2003 , 43, 2234-2239	2.4	36
157	Identification of promising host-induced silencing targets among genes preferentially transcribed in haustoria of <i>Puccinia</i> . <i>BMC Genomics</i> , 2015 , 16, 579	4.5	35
156	Molecular Mapping of Stripe Rust Resistance Gene Yr76 in Winter Club Wheat Cultivar Tyee. <i>Phytopathology</i> , 2016 , 106, 1186-1193	3.8	34
155	Changes of Races and Virulence Genes in <i>Puccinia striiformis</i> f. sp. <i>tritici</i> , the Wheat Stripe Rust Pathogen, in the United States from 1968 to 2009. <i>Plant Disease</i> , 2017 , 101, 1522-1532	1.5	33
154	Permanent genetic resources added to Molecular Ecology Resources Database 1 February 2012 - 31 March 2012. <i>Molecular Ecology Resources</i> , 2012 , 12, 779-81	8.4	33
153	Genome-wide association mapping for seedling and field resistance to <i>Puccinia striiformis</i> f. sp. <i>tritici</i> in elite durum wheat. <i>Theoretical and Applied Genetics</i> , 2017 , 130, 649-667	6	32
152	Virulence and Molecular Analyses Support Asexual Reproduction of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> in the U.S. Pacific Northwest. <i>Phytopathology</i> , 2014 , 104, 1208-20	3.8	32
151	Genome-wide association mapping reveals a rich genetic architecture of stripe rust resistance loci in emmer wheat (<i>Triticum turgidum</i> ssp. <i>dicoccum</i>). <i>Theoretical and Applied Genetics</i> , 2017 , 130, 2249-2270	6	32

150	Barberry as Alternate Host Is Important for <i>Puccinia graminis</i> f. sp. <i>tritici</i> But Not for <i>Puccinia striiformis</i> f. sp. <i>tritici</i> in the U.S. Pacific Northwest. <i>Plant Disease</i> , 2015 , 99, 1507-1516	1.5	32
149	Meta-analysis of transcripts associated with race-specific resistance to stripe rust in wheat demonstrates common induction of blue copper-binding protein, heat-stress transcription factor, pathogen-induced WIR1A protein, and ent-kaurene synthase transcripts. <i>Functional and Integrative Genomics</i> , 2016 , 10, 383-92	3.8	32
148	Understanding Molecular Mechanisms of Durable and Non-durable Resistance to Stripe Rust in Wheat Using a Transcriptomics Approach. <i>Current Genomics</i> , 2013 , 14, 111-26	2.6	32
147	Characterization of molecular diversity and genome-wide mapping of loci associated with resistance to stripe rust and stem rust in Ethiopian bread wheat accessions. <i>BMC Plant Biology</i> , 2017 , 17, 134	5.3	31
146	Potential oversummering and overwintering regions for the wheat stripe rust pathogen in the contiguous United States. <i>International Journal of Biometeorology</i> , 2014 , 58, 987-97	3.7	31
145	Histological and cytological characterization of adult plant resistance to wheat stripe rust. <i>Plant Cell Reports</i> , 2012 , 31, 2121-37	5.1	31
144	Virulence and Simple Sequence Repeat Marker Segregation in a <i>Puccinia striiformis</i> f. sp. <i>tritici</i> Population Produced by Selfing a Chinese Isolate on <i>Berberis shensiana</i> . <i>Phytopathology</i> , 2016 , 106, 185-91	3.8	30
143	Mapping stripe rust resistance in a BrundageXCoda winter wheat recombinant inbred line population. <i>PLoS ONE</i> , 2014 , 9, e91758	3.7	30
142	Development of resistance gene analog polymorphism markers for the Yr9 gene resistance to wheat stripe rust. <i>Genome</i> , 2001 , 44, 509-16	2.4	30
141	Molecular Mapping of Stripe Rust Resistance in Hard Red Winter Wheat TAM 111 Adapted to the U.S. High Plains. <i>Crop Science</i> , 2014 , 54, 1361-1373	2.4	29
140	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, 3857-66	2.8	29
139	Genetic analysis and molecular mapping of wheat genes conferring resistance to the wheat stripe rust and barley stripe rust pathogens. <i>Phytopathology</i> , 2005 , 95, 427-32	3.8	29
138	Combination of all-stage and high-temperature adult-plant resistance QTL confers high-level, durable resistance to stripe rust in winter wheat cultivar Madsen. <i>Theoretical and Applied Genetics</i> , 2018 , 131, 1835-1849	6	29
137	Virulence and Molecular Characterization of Experimental Isolates of the Stripe Rust Pathogen (<i>Puccinia striiformis</i>) Indicate Somatic Recombination. <i>Phytopathology</i> , 2017 , 107, 329-344	3.8	28
136	Identification of genes for resistance to <i>Puccinia striiformis</i> f. sp. <i>hordei</i> in 18 barley genotypes. <i>Euphytica</i> , 2003 , 129, 127-146	2.1	28
135	MARPLE, a point-of-care, strain-level disease diagnostics and surveillance tool for complex fungal pathogens. <i>BMC Biology</i> , 2019 , 17, 65	7.3	27
134	Grass Hosts Harbor More Diverse Isolates of <i>Puccinia striiformis</i> Than Cereal Crops. <i>Phytopathology</i> , 2016 , 106, 362-71	3.8	26
133	Unlocking Diversity in Germplasm Collections via Genomic Selection: A Case Study Based on Quantitative Adult Plant Resistance to Stripe Rust in Spring Wheat. <i>Plant Genome</i> , 2017 , 10, plantgenome2016.12.0124	4.4	26

132	Molecular mapping of a recessive gene for resistance to stripe rust in barley. <i>Theoretical and Applied Genetics</i> , 2006 , 113, 529-37	6	26
131	Molecular Mapping of YrSP and Its Relationship with Other Genes for Stripe Rust Resistance in Wheat Chromosome 2BL. <i>Phytopathology</i> , 2015 , 105, 1206-13	3.8	25
130	Loci associated with resistance to stripe rust (<i>Puccinia striiformis</i> f. sp. tritici) in a core collection of spring wheat (<i>Triticum aestivum</i>). <i>PLoS ONE</i> , 2017 , 12, e0179087	3.7	24
129	The wheat WRKY transcription factors TaWRKY49 and TaWRKY62 confer differential high-temperature seedling-plant resistance to <i>Puccinia striiformis</i> f. sp. tritici. <i>PLoS ONE</i> , 2017 , 12, e0181963	3.7	24
128	Registration of Xerpha Wheat. <i>Journal of Plant Registrations</i> , 2010 , 4, 137-140	0.7	23
127	Inheritance and molecular mapping of barley genes conferring resistance to wheat stripe rust. <i>Phytopathology</i> , 2005 , 95, 884-9	3.8	22
126	Inheritance of Stripe Rust Resistance in Wheat Cultivars Postulated to Have Resistance Genes atYr3 andYr4 Loci. <i>Phytopathology</i> , 1993 , 83, 382	3.8	21
125	Genomic insights into host adaptation between the wheat stripe rust pathogen (<i>Puccinia striiformis</i> f. sp. tritici) and the barley stripe rust pathogen (<i>Puccinia striiformis</i> f. sp. hordei). <i>BMC Genomics</i> , 2018 , 19, 664	4.5	20
124	Genes for Resistance to Stripe Rust in Xres Wheat. <i>Crop Science</i> , 1992 , 32, 692-696	2.4	19
123	Inheritance of Virulence, Construction of a Linkage Map, and Mapping Dominant Virulence Genes in <i>Puccinia striiformis</i> f. sp. tritici Through Characterization of a Sexual Population with Genotyping-by-Sequencing. <i>Phytopathology</i> , 2018 , 108, 133-141	3.8	18
122	Fine mapping of barley locus Rps6 conferring resistance to wheat stripe rust. <i>Theoretical and Applied Genetics</i> , 2016 , 129, 845-859	6	18
121	Genetic Diversity for Stripe Rust Resistance in Wheat Landraces and Identification of Accessions with Resistance to Stem Rust and Stripe Rust. <i>Crop Science</i> , 2014 , 54, 2131-2139	2.4	18
120	Genes involved in adult plant resistance to stripe rust in wheat cultivar Xingzi 9104. <i>Physiological and Molecular Plant Pathology</i> , 2013 , 81, 26-32	2.6	18
119	Identification and mapping of adult-plant stripe rust resistance in soft red winter wheat cultivar XSG 3555. <i>Plant Breeding</i> , 2013 , 132, 53-60	2.4	18
118	Comparative virulence phenotypes and molecular genotypes of <i>Puccinia striiformis</i> f. sp. tritici, the wheat stripe rust pathogen in China and the United States. <i>Fungal Biology</i> , 2012 , 116, 643-53	2.8	18
117	A mutagenesis-derived broad-spectrum disease resistance locus in wheat. <i>Theoretical and Applied Genetics</i> , 2012 , 125, 391-404	6	18
116	Secreted protein gene derived-single nucleotide polymorphisms (SP-SNPs) reveal population diversity and differentiation of <i>Puccinia striiformis</i> f. sp. tritici in the United States. <i>Fungal Biology</i> , 2016 , 120, 729-44	2.8	18
115	Genome-Wide Association Mapping of Loci for Resistance to Stripe Rust in North American Elite Spring Wheat Germplasm. <i>Phytopathology</i> , 2018 , 108, 234-245	3.8	17

114	Combining Single Nucleotide Polymorphism Genotyping Array with Bulk Segregant Analysis to Map a Gene Controlling Adult Plant Resistance to Stripe Rust in Wheat Line 03031-1-5 H62. <i>Phytopathology</i> , 2018 , 108, 103-113	3.8	17
113	Development and Validation of KASP-SNP Markers for QTL Underlying Resistance to Stripe Rust in Common Wheat Cultivar P10057. <i>Plant Disease</i> , 2017 , 101, 2079-2087	1.5	17
112	Virulence Characterization of Wheat Stripe Rust Fungus <i>Puccinia striiformis</i> f. sp. <i>tritici</i> in Ethiopia and Evaluation of Ethiopian Wheat Germplasm for Resistance to Races of the Pathogen from Ethiopia and the United States. <i>Plant Disease</i> , 2017 , 101, 73-80	1.5	17
111	Secretome Characterization and Correlation Analysis Reveal Putative Pathogenicity Mechanisms and Identify Candidate Avirulence Genes in the Wheat Stripe Rust Fungus f. sp.. <i>Frontiers in Microbiology</i> , 2017 , 8, 2394	5.7	17
110	A novel fungal hyperparasite of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> , the causal agent of wheat stripe rust. <i>PLoS ONE</i> , 2014 , 9, e111484	3.7	17
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107	Introduction: History of Research, Symptoms, Taxonomy of the Pathogen, Host Range, Distribution, and Impact of Stripe Rust 2017 , 1-33		16
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103	Registration of Otto Wheat. <i>Journal of Plant Registrations</i> , 2013 , 7, 195-200	0.7	16
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98	QTL analysis of durable stripe rust resistance in the North American winter wheat cultivar Skiles. <i>Theoretical and Applied Genetics</i> , 2019 , 132, 1677-1691	6	14
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95	Identification and Mapping of Adult Plant Stripe Rust Resistance in Soft Red Winter Wheat VA00W-38. <i>Crop Science</i> , 2013 , 53, 871-879	2.4	14
94	Registration of Byrd Wheat. <i>Journal of Plant Registrations</i> , 2012 , 6, 302-305	0.7	14
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90	Genome-wide association study reveals new loci for yield-related traits in Sichuan wheat germplasm under stripe rust stress. <i>BMC Genomics</i> , 2019 , 20, 640	4.5	13
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88	Development, Validation, and Re-selection of Wheat Lines with Pyramided Genes Yr64 and Yr15 Linked on the Short Arm of Chromosome 1B for Resistance to Stripe Rust. <i>Plant Disease</i> , 2019 , 103, 51-58	1.5	12
87	Whole-genome sequencing of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> mutant isolates identifies avirulence gene candidates. <i>BMC Genomics</i> , 2020 , 21, 247	4.5	11
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85	Registration of Thunder CL Wheat. <i>Journal of Plant Registrations</i> , 2009 , 3, 181-184	0.7	11
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83	Genome Sequence Resources for the Wheat Stripe Rust Pathogen (<i>Puccinia striiformis</i> f. sp. <i>tritici</i>) and the Barley Stripe Rust Pathogen (<i>Puccinia striiformis</i> f. sp. <i>hordei</i>). <i>Molecular Plant-Microbe Interactions</i> , 2018 , 31, 1117-1120	3.6	11
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19	Identification of a Hyperparasitic Strain Affecting the Infection Dynamics of f. sp. on Wheat. <i>Frontiers in Microbiology</i> , 2020 , 11, 1277	5.7	0
18	Stripe Rust Research and Control: Conclusions and Perspectives 2017 , 601-630		0
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16	How Madsen has shaped Pacific Northwest wheat and beyond. <i>Journal of Plant Registrations</i> , 2020 , 14, 223-233	0.7	0
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12	Registration of Castella soft white winter club wheat. <i>Journal of Plant Registrations</i> , 2021 , 15, 504-514	0.7	0
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8	Field Production, Germinability, and Survival of f. sp. Teliospores in China. <i>Plant Disease</i> , 2021 , 105, 2122-2128	2.5	0
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| 6 | GWAS for Stripe Rust Resistance in Wild Emmer Wheat (<i>Triticum dicoccoides</i>) Population: Obstacles and Solutions. <i>Crops</i> , 2022 , 2, 42-61 | 0 |
| 5 | Genome-Wide Association Analysis of Stable Stripe Rust Resistance Loci in a Chinese Wheat Landrace Panel Using the 660K SNP Array.. <i>Frontiers in Plant Science</i> , 2021 , 12, 783830 | 6.2 0 |
| 4 | Registration of DI SRG Wheat. <i>Journal of Plant Registrations</i> , 2012 , 6, 66-70 | 0.7 |
| 3 | Registration of Besilience CL+ Soft white winter wheat. <i>Journal of Plant Registrations</i> , 2021 , 15, 196-205 | 0.7 |
| 2 | Registration of MNR434 and MNR527 Wheat Germplasm with New Resistance to Rusts. <i>Journal of Plant Registrations</i> , 2019 , 13, 461-464 | 0.7 |
| 1 | Registration of Btingray CL+ Soft white winter wheat. <i>Journal of Plant Registrations</i> , 2021 , 15, 161-171 | 0.7 |