

Xianming Chen

List of Publications by Year in descending order

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245
papers

13,643
citations

15504
65
h-index

29157
104
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253
all docs

253
docs citations

253
times ranked

4612
citing authors

#	ARTICLE	IF	CITATIONS
1	A Kinase-START Gene Confers Temperature-Dependent Resistance to Wheat Stripe Rust. <i>Science</i> , 2009, 323, 1357-1360.	12.6	625
2	A Genome-Wide Association Study of Resistance to Stripe Rust (<i>Puccinia striiformis</i> f. sp. <i>tritici</i>) in Wheat. <i>Genetics</i> , 2015, 195, 107-116.	1.8	356
3	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.	1.4	349
4	Wheat stripe (yellow) rust caused by <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Molecular Plant Pathology</i> , 2014, 15, 433-446.	4.2	313
5	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.	0.8	311
6	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, 1155-1166.	3.6	280
7	Wheat stripe rust in China. <i>Australian Journal of Agricultural Research</i> , 2007, 58, 605.	1.5	263
8	High genome heterozygosity and endemic genetic recombination in the wheat stripe rust fungus. <i>Nature Communications</i> , 2013, 4, 2673.	12.8	238
9	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.	2.8	235
10	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.	1.4	223
11	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.	3.6	209
12	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.	3.6	208
13	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, 1260-1270.	3.6	185
14	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, 1277-1287.	3.6	177
15	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.	1.4	169
16	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.	2.5	169
17	Challenges and solutions for stripe rust control in the United States. <i>Australian Journal of Agricultural Research</i> , 2007, 58, 648.	1.5	168
18	Integration of cultivar resistance and fungicide application for control of wheat stripe rust. <i>Canadian Journal of Plant Pathology</i> , 2014, 36, 311-326.	1.4	156

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19	Virulence Characterization of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> Using a New Set of <i>Yr</i> Single-Gene Line Differentials in the United States in 2010. <i>Plant Disease</i> , 2014, 98, 1534-1542.	1.4	154
20	Genetic Architecture of Resistance to Stripe Rust in a Global Winter Wheat Germplasm Collection. G3: Genes, Genomes, Genetics, 2016, 6, 2237-2253.	1.8	154
21	Relationship Between Virulence Variation and DNA Polymorphism in <i>Puccinia striiformis</i> . <i>Phytopathology</i> , 1993, 83, 1489.	2.2	153
22	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.	2.2	146
23	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, 927-934.	2.2	143
24	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.	1.4	134
25	Pathogens which threaten food security: <i>Puccinia striiformis</i> , the wheat stripe rust pathogen. <i>Food Security</i> , 2020, 12, 239-251.	5.3	131
26	Identifying QTL for high-temperature adult-plant resistance to stripe rust (<i>Puccinia striiformis</i> f. sp.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2009, 119, 1119-1128.	3.6	130
27	Comparative Analysis Highlights Variable Genome Content of Wheat Rusts and Divergence of the Mating Loci. G3: Genes, Genomes, Genetics, 2017, 7, 361-376.	1.8	127
28	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, 636-643.	3.6	126
29	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.	3.6	124
30	Characterization of Novel Gene <i>Yr79</i> 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.	2.2	123
31	Role of Alternate Hosts in Epidemiology and Pathogen Variation of Cereal Rusts. <i>Annual Review of Phytopathology</i> , 2016, 54, 207-228.	7.8	121
32	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, 847-857.	3.6	112
33	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, 143-157.	3.6	111
34	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.	2.2	111
35	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.	3.6	109
36	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, 523-533.	3.6	106

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37	Transcriptome analysis of the wheatâ€“ <i>Puccinia striiformis</i> f. sp. <i>tritici</i> interaction. Molecular Plant Pathology, 2008, 9, 157-169.	4.2	104
38	Virulence and Polymorphic DNA Relationships of <i>Puccinia striiformis</i> f. sp. <i>hordeit</i> Other Rusts. Phytopathology, 1995, 85, 1335.	2.2	104
39	Characterization of molecular diversity and genome-wide mapping of loci associated with resistance to stripe rust and stem rust in Ethiopian bread wheat accessions. BMC Plant Biology, 2017, 17, 134.	3.6	99
40	Identification of Yr59 conferring high-temperature adult-plant resistance to stripe rust in wheat germplasm PI 178759. Theoretical and Applied Genetics, 2014, 127, 935-945.	3.6	93
41	Molecular mapping of genes Yr64 and Yr65 for stripe rust resistance in hexaploid derivatives of durum wheat accessions PI 331260 and PI 480016. Theoretical and Applied Genetics, 2014, 127, 2267-2277.	3.6	93
42	Mapping of Yr62 and a small-effect QTL for high-temperature adult-plant resistance to stripe rust in spring wheat PI 192252. Theoretical and Applied Genetics, 2014, 127, 1449-1459.	3.6	91
43	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. Plant Disease, 2016, 100, 966-975.	1.4	89
44	Identification and mapping QTL for high-temperature adult-plant resistance to stripe rust in winter wheat (<i>Triticum aestivum</i> L.) cultivar â€“Stephensâ€™. Theoretical and Applied Genetics, 2008, 117, 793-802.	3.6	88
45	Transcriptome analysis of highâ€“temperature adultâ€“plant resistance conditioned by <i>Yr39</i> during the wheatâ€“ <i>Puccinia striiformis</i> f. sp. <i>tritici</i> interaction. Molecular Plant Pathology, 2008, 9, 479-493.	4.2	87
46	Development of resistance gene analog polymorphism markers for the <i>Yr9</i> gene resistance to wheat stripe rust. Genome, 2001, 44, 509-516.	2.0	86
47	Wheat transcription factor <i>TaWRKY70</i> is positively involved in highâ€“temperature seedling plant resistance to <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . Molecular Plant Pathology, 2017, 18, 649-661.	4.2	85
48	An ancestral NB-LRR with duplicated 3â€²UTRs confers stripe rust resistance in wheat and barley. Nature Communications, 2019, 10, 4023.	12.8	84
49	Quantitative trait loci for non-race-specific, high-temperature adult-plant resistance to stripe rust in wheat cultivar Express. Theoretical and Applied Genetics, 2009, 118, 631-642.	3.6	83
50	Differential gene expression in incompatible interaction between wheat and stripe rust fungus revealed by cDNA-AFLP and comparison to compatible interaction. BMC Plant Biology, 2010, 10, 9.	3.6	81
51	Mapping a Large Number of QTL for Durable Resistance to Stripe Rust in Winter Wheat Druchamp Using SSR and SNP Markers. PLoS ONE, 2015, 10, e0126794.	2.5	81
52	Characterization and molecular mapping of stripe rust resistance gene Yr61 in winter wheat cultivar Pindong 34. Theoretical and Applied Genetics, 2014, 127, 2349-2358.	3.6	80
53	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>). Theoretical and Applied Genetics, 2017, 130, 2249-2270.	3.6	80
54	Development of Sequence Tagged Site and Cleaved Amplified Polymorphic Sequence Markers for Wheat Stripe Rust Resistance Gene <i>Yr5</i> . Crop Science, 2003, 43, 2058-2064.	1.8	79

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55	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.	2.8	79
56	Emerging <i>Yr26</i> -Virulent Races of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> Are Threatening Wheat Production in the Sichuan Basin, China. <i>Plant Disease</i> , 2015, 99, 754-760.	1.4	78
57	Rapid and Targeted Introgression of Genes into Popular Wheat Cultivars Using Marker-Assisted Background Selection. <i>PLoS ONE</i> , 2009, 4, e5752.	2.5	78
58	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
59	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.	1.4	74
60	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.	2.1	73
61	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.	2.2	73
62	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, 839-839.	1.4	71
63	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.	1.4	71
64	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.	3.6	71
65	Loci associated with resistance to stripe rust (<i>Puccinia striiformis</i> f. sp. <i>tritici</i>) in a core collection of spring wheat (<i>Triticum aestivum</i>). <i>PLoS ONE</i> , 2017, 12, e0179087.	2.5	69
66	Molecular Mapping of <i>YrSP</i> and Its Relationship with Other Genes for Stripe Rust Resistance in Wheat Chromosome 2BL. <i>Phytopathology</i> , 2015, 105, 1206-1213.	2.2	67
67	Novel Sources of Stripe Rust Resistance Identified by Genome-Wide Association Mapping in Ethiopian Durum Wheat (<i>Triticum turgidum</i> ssp. <i>durum</i>). <i>Frontiers in Plant Science</i> , 2017, 8, 774.	3.6	66
68	Validation and characterization of a QTL for adult plant resistance to stripe rust on wheat chromosome arm 6BS (<i>Yr78</i>). <i>Theoretical and Applied Genetics</i> , 2017, 130, 2127-2137.	3.6	65
69	Stripe Rust Resistance. , 2017, , 353-558.		64
70	Linkage Maps of Wheat Stripe Rust Resistance Genes <i>Yr5</i> and <i>Yr15</i> for Use in Marker-Assisted Selection. <i>Crop Science</i> , 2009, 49, 1786-1790.	1.8	63
71	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.	3.6	63
72	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.	2.2	62

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73	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.	1.4	61
74	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.	2.2	61
75	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.	2.8	60
76	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> , 2010, 10, 383-392.	3.5	60
77	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
78	Molecular mapping of a gene for stripe rust resistance in spring wheat cultivar IDO377s. <i>Theoretical and Applied Genetics</i> , 2010, 121, 195-204.	3.6	59
79	Molecular Mapping of Stripe Rust Resistance Gene <i>Yr76</i> in Winter Club Wheat Cultivar Tyee. <i>Phytopathology</i> , 2016, 106, 1186-1193.	2.2	58
80	Yr45, a new wheat gene for stripe rust resistance on the long arm of chromosome 3D. <i>Theoretical and Applied Genetics</i> , 2011, 122, 189-197.	3.6	57
81	MARPLE, a point-of-care, strain-level disease diagnostics and surveillance tool for complex fungal pathogens. <i>BMC Biology</i> , 2019, 17, 65.	3.8	56
82	Understanding Molecular Mechanisms of Durable and Non-durable Resistance to Stripe Rust in Wheat Using a Transcriptomics Approach. <i>Current Genomics</i> , 2013, 14, 111-126.	1.6	55
83	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.	3.6	52
84	Molecular Mapping of a Stripe Rust Resistance Gene in Spring Wheat Cultivar Zak. <i>Phytopathology</i> , 2009, 99, 1209-1215.	2.2	52
85	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.	2.2	52
86	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
87	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.	1.4	51
88	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.	1.8	50
89	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.	2.2	50
90	Mapping a stripe rust resistance gene YrC591 in wheat variety C591 with SSR and AFLP markers. <i>Theoretical and Applied Genetics</i> , 2009, 118, 339-346.	3.6	48

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91	Models for Predicting Potential Yield Loss of Wheat Caused by Stripe Rust in the U.S. Pacific Northwest. <i>Phytopathology</i> , 2011, 101, 544-554.	2.2	48
92	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, 185-191.	2.2	48
93	Registration of “Snowmass” Wheat. <i>Journal of Plant Registrations</i> , 2011, 5, 87-90.	0.5	47
94	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.	1.4	47
95	Identification of promising host-induced silencing targets among genes preferentially transcribed in haustoria of <i>Puccinia</i> . <i>BMC Genomics</i> , 2015, 16, 579.	2.8	47
96	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.	1.4	46
97	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.	2.2	46
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.	3.6	46
99	Mapping Stripe Rust Resistance in a BrundageXCoda Winter Wheat Recombinant Inbred Line Population. <i>PLoS ONE</i> , 2014, 9, e91758.	2.5	46
100	The wheat WRKY transcription factors TaWRKY49 and TaWRKY62 confer differential high-temperature seedling-plant resistance to <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>PLoS ONE</i> , 2017, 12, e0181963.	2.5	46
101	Genome-Wide Mapping of Quantitative Trait Loci Conferring All-Stage and High-Temperature Adult-Plant Resistance to Stripe Rust in Spring Wheat Landrace PI 181410. <i>International Journal of Molecular Sciences</i> , 2020, 21, 478.	4.1	45
102	Histological and cytological characterization of adult plant resistance to wheat stripe rust. <i>Plant Cell Reports</i> , 2012, 31, 2121-2137.	5.6	43
103	Stripe Rust Resistance in the Wheat Cultivar Jagger is Due to <i>Yr17</i> and a Novel Resistance Gene. <i>Crop Science</i> , 2011, 51, 2455-2465.	1.8	42
104	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 February 2012 – 31 March 2012. <i>Molecular Ecology Resources</i> , 2012, 12, 779-781.	4.8	42
105	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.	2.8	42
106	Potential oversummering and overwintering regions for the wheat stripe rust pathogen in the contiguous United States. <i>International Journal of Biometeorology</i> , 2014, 58, 987-997.	3.0	41
107	Coincident QTL Which Determine Seedling and Adult Plant Resistance to Stripe Rust in Barley. <i>Crop Science</i> , 2002, 42, 1701-1708.	1.8	38
108	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, 1208-1220.	2.2	38

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109	Genome-wide Mapping for Stripe Rust Resistance Loci in Common Wheat Cultivar Qinnong 142. <i>Plant Disease</i> , 2019, 103, 439-447.	1.4	38
110	Pyramiding and Validation of Quantitative Trait Locus (QTL) Alleles Determining Resistance to Barley Stripe Rust. <i>Crop Science</i> , 2003, 43, 2234-2239.	1.8	37
111	Grass Hosts Harbor More Diverse Isolates of <i>Puccinia striiformis</i> Than Cereal Crops. <i>Phytopathology</i> , 2016, 106, 362-371.	2.2	34
112	Identification of Stripe Rust Resistance Loci in U.S. Spring Wheat Cultivars and Breeding Lines Using Genome-Wide Association Mapping and <i>Yr</i> Gene Markers. <i>Plant Disease</i> , 2020, 104, 2181-2192.	1.4	34
113	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, 427-432.	2.2	33
114	Identification and mapping of adult plant stripe rust resistance in soft red winter wheat cultivar 'USG 3555'. <i>Plant Breeding</i> , 2013, 132, 53-60.	1.9	33
115	Genome-Wide Association Study and Gene Specific Markers Identified 51 Genes or QTL for Resistance to Stripe Rust in U.S. Winter Wheat Cultivars and Breeding Lines. <i>Frontiers in Plant Science</i> , 2020, 11, 998.	3.6	33
116	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.	1.2	32
117	<i>TaXa21</i> , a Leucine-Rich Repeat Receptor-Like Kinase Gene Associated with <i>TaWRKY76</i> and <i>TaWRKY62</i> , Plays Positive Roles in Wheat High-Temperature Seedling Plant Resistance to <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 1526-1535.	2.6	32
118	Development of resistance gene analog polymorphism markers for the Yr9 gene resistance to wheat stripe rust. <i>Genome</i> , 2001, 44, 509-16.	2.0	32
119	Molecular mapping of a recessive gene for resistance to stripe rust in barley. <i>Theoretical and Applied Genetics</i> , 2006, 113, 529-537.	3.6	31
120	Inheritance of Virulence, Construction of a Linkage Map, and Mapping Dominant Virulence Genes in <i>Puccinia striiformis</i> f. sp. <i>tritici</i> Through Characterization of a Sexual Population with Genotyping-by-Sequencing. <i>Phytopathology</i> , 2018, 108, 133-141.	2.2	31
121	Genomic insights into host adaptation between the wheat stripe rust pathogen (<i>Puccinia striiformis</i> f. sp. <i>tritici</i>) and wheat. <i>Plant Pathology</i> , 2019, 66, 19, 664.	0.784314 2.8	31
122	Inheritance and Molecular Mapping of Barley Genes Conferring Resistance to Wheat Stripe Rust. <i>Phytopathology</i> , 2005, 95, 884-889.	2.2	29
123	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.	2.5	29
124	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.	1.4	29
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132	Registration of "Otto"™ Wheat. <i>Journal of Plant Registrations</i> , 2013, 7, 195-200.	0.5	26
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140	Genes for Resistance to Stripe Rust in "Tres"™ Wheat. <i>Crop Science</i> , 1992, 32, 692-696.	1.8	22
141	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.	1.8	22
142	Dissection of loci conferring resistance to stripe rust in Chinese wheat landraces from the middle and lower reaches of the Yangtze River via genome-wide association study. <i>Plant Science</i> , 2019, 287, 110204.	3.6	22
143	Breeding With Major and Minor Genes: Genomic Selection for Quantitative Disease Resistance. <i>Frontiers in Plant Science</i> , 2021, 12, 713667.	3.6	22
144	Fine mapping of barley locus <i>Rps6</i> conferring resistance to wheat stripe rust. <i>Theoretical and Applied Genetics</i> , 2016, 129, 845-859.	3.6	21

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186	Registration of â€Brawl CL Plusâ€™ Wheat. <i>Journal of Plant Registrations</i> , 2012, 6, 306-310.	0.5	11
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