Thomas Miedaner

List of Publications by Year
in descending order

179 papers	6,568 citations	66315 42 h-index	91828 69 g-index
179 all docs	179 docs citations	179 times ranked	4083 citing authors

#	Article	IF	Citations
1	Molecular mapping of QTLs for Fusarium head blight resistance in spring wheat. II. Resistance to fungal penetration and spread. Theoretical and Applied Genetics, 2003, 107, 503-508.	1.8	285
2	Developments in breeding cereals for organic agriculture. Euphytica, 2008, 163, 323.	0.6	285
3	Involvement of trichothecenes in fusarioses of wheat, barley and maize evaluated by gene disruption of the trichodiene synthase (Tri5) gene in three field isolates of different chemotype and virulence. Molecular Plant Pathology, 2006, 7, 449-461.	2.0	266
4	Marker-Assisted Selection for Disease Resistance in Wheat and Barley Breeding. Phytopathology, 2012, 102, 560-566.	1.1	223
5	Revealing the genetic architecture of FHB resistance in hexaploid wheat (Triticum aestivum L.) by QTL meta-analysis. Molecular Breeding, 2009, 23, 473-488.	1.0	203
6	Molecular mapping of Fusarium head blight resistance in the winter wheat population Dream/Lynx. Theoretical and Applied Genetics, 2005, 111, 747-756.	1.8	137
7	Stacking quantitative trait loci (QTL) for Fusarium head blight resistance from non-adapted sources in an European elite spring wheat background and assessing their effects on deoxynivalenol (DON) content and disease severity. Theoretical and Applied Genetics, 2006, 112, 562-569.	1.8	133
8	Effects of genotype and genotype-environment interaction on deoxynivalenol accumulation and resistance to Fusarium head blight in rye, triticale, and wheat. Plant Breeding, 2001, 120, 97-105.	1.0	128
9	Mapping QTLs with main and epistatic effects underlying grain yield and heading time in soft winter wheat. Theoretical and Applied Genetics, 2011, 123, 283-292.	1.8	124
10	A European Database of Fusarium graminearum and F. culmorum Trichothecene Genotypes. Frontiers in Microbiology, 2016, 7, 406.	1.5	124
11	Detection of segregation distortion loci in triticale (x Triticosecale Wittmack) based on a high-density DArT marker consensus genetic linkage map. BMC Genomics, 2011, 12, 380.	1.2	113
12	Biology, Genetics, and Management of Ergot (Claviceps spp.) in Rye, Sorghum, and Pearl Millet. Toxins, 2015, 7, 659-678.	1.5	111
13	Population Genetics of Three Important Head Blight Pathogens Fusarium graminearum, F. pseudograminearum and F.Âculmorum. Journal of Phytopathology, 2008, 156, 129-139.	0.5	108
14	Genetic Mapping of Pathogenicity and Aggressiveness of Gibberella zeae (Fusarium graminearum) Toward Wheat. Phytopathology, 2004, 94, 520-526.	1.1	93
15	Inheritance of resistance to Fusarium head blight in three European winter wheat populations. Theoretical and Applied Genetics, 2008, 117, 1119-1128.	1.8	91
16	Genome-Wide Association Study Identifies Novel Candidate Genes for Aggressiveness, Deoxynivalenol Production, and Azole Sensitivity in Natural Field Populations of Fusarium graminearum. Molecular Plant-Microbe Interactions, 2016, 29, 417-430.	1.4	89
17	Comparison of phenotypic and marker-based selection for Fusarium head blight resistance and DON content in spring wheat. Molecular Breeding, 2007, 19, 357-370.	1.0	86
18	Multiple-trait- and selection indices-genomic predictions for grain yield and protein content in rye for feeding purposes. Theoretical and Applied Genetics, 2016, 129, 273-287.	1.8	86

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19	A comparison of aggressiveness and deoxynivalenol production between Canadian Fusarium graminearum isolates with 3-acetyl and 15-acetyldeoxynivalenol chemotypes in field-grown spring wheat. European Journal of Plant Pathology, 2010, 127, 407-417.	0.8	84
20	Effect of Dwarfing Rht Genes on Fusarium Head Blight Resistance in Two Sets of Nearâ€Isogenic Lines of Wheat and Check Cultivars. Crop Science, 2008, 48, 2115-2122.	0.8	76
21	Association mapping for Fusarium head blight resistance in European soft winter wheat. Molecular Breeding, 2011, 28, 647-655.	1.0	70
22	Climate change will influence disease resistance breeding in wheat in Northwestern Europe. Theoretical and Applied Genetics, 2021, 134, 1771-1785.	1.8	70
23	Genetics of Resistance and Pathogenicity in the Maize/Setosphaeria turcica Pathosystem and Implications for Breeding. Frontiers in Plant Science, 2017, 8, 1490.	1.7	69
24	The accuracy of prediction of genomic selection in elite hybrid rye populations surpasses the accuracy of marker-assisted selection and is equally augmented by multiple field evaluation locations and test years. BMC Genomics, 2014, 15, 556.	1.2	68
25	Relatedness severely impacts accuracy of marker-assisted selection for disease resistance in hybrid wheat. Heredity, 2014, 112, 552-561.	1.2	67
26	Genetic architecture of complex agronomic traits examined in two testcross populations of rye (Secale cereale L.). BMC Genomics, 2012, 13, 706.	1.2	66
27	Genetic architecture of resistance to Septoria tritici blotch in European wheat. BMC Genomics, 2013, 14, 858.	1.2	62
28	Genetic Variation for Resistance to Ear Rots and Mycotoxins Contamination in Early European Maize Inbred Lines. Crop Science, 2009, 49, 2019-2028.	0.8	60
29	Diversity in genetic structure and chemotype composition of Fusarium graminearum sensu stricto populations causing wheat head blight in individual fields in Germany. European Journal of Plant Pathology, 2011, 131, 39-48.	0.8	57
30	Comparative mapping of DNA sequences in rye (Secale cereale L.) in relation to the rice genome. Theoretical and Applied Genetics, 2009, 118, 371-384.	1.8	56
31	Mapping of genes for male-fertility restoration in â€™Pampaâ€™ CMS winter rye (Secale cereale L.). Theoretical and Applied Genetics, 2000, 101, 1226-1233.	1.8	53
32	Deoxynivalenol (DON) Content and Fusarium Head Blight Resistance in Segregating Populations of Winter Rye and Winter Wheat. Crop Science, 2003, 43, 519.	0.8	53
33	Genetic variation of aggressiveness in individual field populations ofFusarium graminearum andFusarium culmorum tested on young plants of winter rye. European Journal of Plant Pathology, 1996, 102, 823-830.	0.8	51
34	Estimation of deoxynivalenol (DON) content by symptom rating and exoantigen content for resistance selection in wheat and triticale. Euphytica, 2004, 139, 123-132.	0.6	50
35	Accuracy of within- and among-family genomic prediction for Fusarium head blight and Septoria tritici blotch in winter wheat. Theoretical and Applied Genetics, 2019, 132, 1121-1135.	1.8	50
36	Establishment of introgression libraries in hybrid rye (Secale cereale L.) from an Iranian primitive accession as a new tool for rye breeding and genomics. Theoretical and Applied Genetics, 2008, 117, 641-652.	1.8	49

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37	Effect of the Rhtâ€Ð1 dwarfing locus on Fusarium head blight rating in three segregating populations of winter wheat. Plant Breeding, 2008, 127, 333-339.	1.0	49
38	Population parameters for resistance to Fusarium graminearum and Fusarium verticillioides ear rot among large sets of early, mid-late and late maturing European maize (Zea mays L.) inbred lines. Theoretical and Applied Genetics, 2010, 120, 1053-1062.	1.8	49
39	REML approach for adjusting the Fusarium head blight rating to a phenological date in inoculated selection experiments of wheat. Theoretical and Applied Genetics, 2008, 117, 65-73.	1.8	48
40	Sources of resistance to Fusarium head blight within Syrian durum wheat landraces. Plant Breeding, 2011, 130, 398-400.	1.0	47
41	Genomics-assisted breeding for ear rot resistances and reduced mycotoxin contamination in maize: methods, advances and prospects. Theoretical and Applied Genetics, 2019, 132, 2721-2739.	1.8	45
42	Colocalization of QTL for Gibberella Ear Rot Resistance and Low Mycotoxin Contamination in Early European Maize. Crop Science, 2011, 51, 1935-1945.	0.8	44
43	Aggressiveness and mycotoxin production of eight isolates each of Fusarium graminearum and Fusarium verticillioides for ear rot on susceptible and resistant early maize inbred lines. European Journal of Plant Pathology, 2010, 127, 113-123.	0.8	43
44	Agronomic and Quality Performance of Winter Wheat Backcross Populations Carrying Nonâ€Adapted Fusarium Head Blight Resistance QTL. Crop Science, 2010, 50, 2283-2290.	0.8	43
45	Quantitative Trait Loci for Adult-Plant Resistance to Mycosphaerella graminicola in Two Winter Wheat Populations. Phytopathology, 2011, 101, 1209-1216.	1.1	43
46	Testcross performance of rye introgression lines developed by marker-assisted backcrossing using an Iranian accession as donor. Theoretical and Applied Genetics, 2009, 118, 1225-1238.	1.8	42
47	Broad-spectrum resistance loci for three quantitatively inherited diseases in two winter wheat populations. Molecular Breeding, 2012, 29, 731-742.	1.0	42
48	Marker-based introduction of three quantitative-trait loci conferring resistance to Fusarium head blight into an independent elite winter wheat breeding population. Theoretical and Applied Genetics, 2008, 117, 29-35.	1.8	41
49	Marker selection for Fusarium head blight resistance based on quantitative trait loci (QTL) from two European sources compared to phenotypic selection in winter wheat. Euphytica, 2009, 166, 219-227.	0.6	41
50	Global warming and increasing maize cultivation demand comprehensive efforts in disease and insect resistance breeding in northâ€western Europe. Plant Pathology, 2021, 70, 1032-1046.	1.2	40
51	Development of PCR-based markers linked to dominant genes for male-fertility restoration in Pampa CMS of rye (Secale cereale L.). Theoretical and Applied Genetics, 2003, 106, 1184-1190.	1.8	35
52	Hybrid rye performance under natural drought stress in Europe. Theoretical and Applied Genetics, 2013, 126, 475-482.	1.8	35
53	Mycotoxin accumulation and corresponding ear rot rating in three maturity groups of European maize inoculated by two Fusarium species. Euphytica, 2010, 174, 153-164.	0.6	34
54	8 Biology, Diversity, and Management of FHB-Causing Fusarium Species in Small-Grain Cereals. , 2013, , 199-241.		34

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55	Genetic architecture is more complex for resistance to Septoria tritici blotch than to Fusarium head blight in Central European winter wheat. BMC Genomics, 2015, 16, 430.	1.2	34
56	Integration of genotypic, hyperspectral, and phenotypic data to improve biomass yield prediction in hybrid rye. Theoretical and Applied Genetics, 2020, 133, 3001-3015.	1.8	34
57	Competition Effects Among Isolates of Fusarium culmorum Differing in Aggressiveness and Mycotoxin Production on Heads of Winter Rye. European Journal of Plant Pathology, 2004, 110, 63-70.	0.8	33
58	Segregation for aggressiveness and deoxynivalenol production of a population of Gibberella zeae causing head blight of wheat. European Journal of Plant Pathology, 2004, 110, 789-799.	0.8	33
59	Molecular mapping of quantitative trait loci for field resistance to Fusarium head blight in a European winter wheat population. Plant Breeding, 2008, 127, 459-464.	1.0	33
60	Effect of a rye dwarfing gene on plant height, heading stage, and Fusarium head blight in triticale (Ã—Triticosecale Wittmack). Theoretical and Applied Genetics, 2014, 127, 1527-1536.	1.8	33
61	Genomic prediction and GWAS of Gibberella ear rot resistance traits in dent and flint lines of a public maize breeding program. Euphytica, 2018, 214, 1.	0.6	32
62	QTL mapping and comparative genome analysis of agronomic traits including grain yield in winter rye. Theoretical and Applied Genetics, 2017, 130, 1801-1817.	1.8	31
63	Choice of models for QTL mapping with multiple families and design of the training set for prediction of Fusarium resistance traits in maize. Theoretical and Applied Genetics, 2016, 129, 431-444.	1.8	30
64	Copy number variation of Ppd-B1 is the major determinant of heading time in durum wheat. BMC Genetics, 2019, 20, 64.	2.7	30
65	Impact of genotype, harvest time and chemical composition on the methane yield of winter rye for biogas production. Biomass and Bioenergy, 2011, 35, 4316-4323.	2.9	29
66	Covariation between line and testcross performance for reduced mycotoxin concentrations in European maize after silk channel inoculation of two Fusarium species. Theoretical and Applied Genetics, 2011, 122, 925-934.	1.8	29
67	Genetic architecture of plant height in winter rye introgression libraries. Plant Breeding, 2011, 130, 209-216.	1.0	28
68	Genetic Architecture of Fusarium Head Blight Resistance in Four Winter Triticale Populations. Phytopathology, 2015, 105, 334-341.	1.1	28
69	Dynamic quantitative trait loci (QTL) for plant height predict biomass yield in hybrid rye (Secale) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.9	28
70	An experimental approach for estimating the genomic selection advantage for Fusarium head blight and Septoria tritici blotch in winter wheat. Theoretical and Applied Genetics, 2019, 132, 2425-2437.	1.8	28
71	Genomics-Assisted Breeding for Quantitative Disease Resistances in Small-Grain Cereals and Maize. International Journal of Molecular Sciences, 2020, 21, 9717.	1.8	28
72	Comparative Quantitative Trait Loci Mapping for Gibberella Ear Rot Resistance and Reduced Deoxynivalenol Contamination across Connected Maize Populations. Crop Science, 2012, 52, 32-43.	0.8	27

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73	Genetic variation and covariation for aggressiveness, deoxynivalenol production and fungal colonization among progeny of Gibberella zeae in wheat. Plant Pathology, 2004, 53, 446-453.	1.2	26
74	Effectiveness and environmental stability of quantitative powdery mildew (Blumeria graminis) resistance among winter wheat cultivars. Plant Breeding, 2007, 126, 553-558.	1.0	26
75	Virulence phenotypes in powdery mildew (Blumeria graminis) populations and resistance genes in triticale (x Triticosecale). European Journal of Plant Pathology, 2013, 137, 463-476.	0.8	26
76	Genetic variation for resistance to Fusarium head blight in winter durum material. Crop and Pasture Science, 2014, 65, 46.	0.7	26
77	Rht24 reduces height in the winter wheat population â€˜SolitÃrÂÃ—ÂBussardâ€™ without adverse effects on Fusarium head blight infection. Theoretical and Applied Genetics, 2018, 131, 1263-1272.	1.8	26
78	Estimates of additive and dominance effects for Fusarium head blight resistance of winter triticale. Plant Breeding, 2004, 123, 525-530.	1.0	25
79	Within-Field Variation of Fusarium graminearum Isolates for Aggressiveness and Deoxynivalenol Production in Wheat Head Blight. Phytopathology, 2012, 102, 128-134.	1.1	25
80	First insights into the genotypeâ€“phenotype map of phenotypic stability in rye. Journal of Experimental Botany, 2015, 66, 3275-3284.	2.4	25
81	Use of nonâ€adapted quantitative trait loci for increasing Fusarium head blight resistance for breeding semiâ€dwarf wheat. Plant Breeding, 2019, 138, 140-147.	1.0	25
82	Combining ability of non-adapted sources for male-fertility restoration in Pampa CMS of hybrid rye*. Plant Breeding, 2005, 124, 39-43.	1.0	24
83	Variation and Transgression of Aggressiveness Among Two Gibberella zeae Crosses Developed from Highly Aggressive Parental Isolates. Phytopathology, 2010, 100, 904-912.	1.1	24
84	The potential of genomicâ€assisted breeding to improve Fusarium head blight resistance in winter durum wheat. Plant Breeding, 2017, 136, 610-619.	1.0	24
85	High accuracy of predicting hybrid performance of Fusarium head blight resistance by mid-parent values in wheat. Theoretical and Applied Genetics, 2017, 130, 461-470.	1.8	24
86	Genomic predictions for Fusarium head blight resistance in a diverse durum wheat panel: an effective incorporation of plant height and heading date as covariates. Euphytica, 2020, 216, 1.	0.6	24
87	Association between line per se and testcross performance for eight agronomic and quality traits in winter rye. Theoretical and Applied Genetics, 2014, 127, 33-41.	1.8	23
88	Fine mapping of the restorer gene Rfp3 from an Iranian primitive rye (Secale cereale L.). Theoretical and Applied Genetics, 2017, 130, 1179-1189.	1.8	23
89	Editorial: Management of Fusarium Species and their Mycotoxins in Cereal Food and Feed. Frontiers in Microbiology, 2017, 8, 1543.	1.5	23
90	Hybrid Breeding in Rye (Secale cereale L.). , 2019, , 343-372.		23

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91	Molecular Variation and Genetic Structure in Field Populations of Fusarium Species Causing Head Blight in Wheat. Cereal Research Communications, 1997, 25, 549-554.	0.8	23
92	Genetic variation for resistance to ergot (Claviceps purpurea [Fr.] Tul.) among full-sib families of five populations of winter rye (Secale cereale L.). Theoretical and Applied Genetics, 2008, 118, 85-90.	1.8	22
93	Association of single nucleotide polymorphic sites in candidate genes with aggressiveness and deoxynivalenol production in Fusarium graminearum causing wheat head blight. BMC Genetics, 2012, 13, 14.	2.7	22
94	Quantitative-genetic analysis of leaf-rust resistance in seedling and adult-plant stages of inbred lines and their testcrosses in winter rye. Plant Breeding, 2002, 121, 475-479.	1.0	21
95	Covariation of Ergot Severity and Alkaloid Content Measured by HPLC and One ELISA Method in Inoculated Winter Rye across Three Isolates and Three European Countries. Toxins, 2020, 12, 676.	1.5	21
96	Selection for Fusarium head blight resistance in early generations reduces the deoxynivalenol (DON) content in grain of winter and spring wheat. Plant Breeding, 2006, 125, 96-98.	1.0	20
97	Means and variances for Fusarium head blight resistance of F2-derived bulks from winter triticale and winter wheat crosses. Euphytica, 2006, 152, 405-411.	0.6	20
98	Genetic variation for ergot (Claviceps purpurea) resistance and alkaloid concentrations in cytoplasmic-male sterile winter rye under pollen isolation. Euphytica, 2010, 173, 299-306.	0.6	20
99	Genetic variation of winter rye cultivars for their ergot (Claviceps purpurea) reaction tested in a field design with minimized interplot interference. Plant Breeding, 2010, 129, 58-62.	1.0	20
100	Correlation between Fusarium head blight severity and DON content in triticale as revealed by phenotypic and molecular data. Plant Breeding, 2016, 135, 31-37.	1.0	20
101	Low validation rate of quantitative trait loci for Gibberella ear rot resistance in European maize. Theoretical and Applied Genetics, 2017, 130, 175-186.	1.8	20
102	Early Detection of Zymoseptoria tritici in Winter Wheat by Infrared Thermography. Agriculture (Switzerland), 2019, 9, 139.	1.4	20
103	Genomeâ€wide association mapping and genomic prediction of Fusarium head blight resistance, heading stage and plant height in winter rye (Secale cereale). Plant Breeding, 2020, 139, 508-520.	1.0	20
104	Breeding progress of disease resistance and impact of disease severity under natural infections in winter wheat variety trials. Theoretical and Applied Genetics, 2021, 134, 1281-1302.	1.8	19
105	A model calculation approach towards the optimization of a standard scheme of seedâ€parent line development in hybrid rye breeding. Plant Breeding, 2008, 127, 433-440.	1.0	18
106	Identification of genomic regions carrying QTL for agronomic and quality traits in rye (Secale) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	1.0	18
107	Inheritance of resistance to Gibberella ear rot and deoxynivalenol contamination in five flint maize crosses. Plant Breeding, 2012, 131, 28-32.	1.0	18
108	Exploiting genetic diversity in two European maize landraces for improving Gibberella ear rot resistance using genomic tools. Theoretical and Applied Genetics, 2021, 134, 793-805.	1.8	18

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109	Geography and end use drive the diversification of worldwide winter rye populations. Molecular Ecology, 2016, 25, 500-514.	2.0	17
110	Breeding Strategies for Improving Plant Resistance to Diseases. , 2016, , 561-599.		17
111	Genetic architecture of yellow and stem rust resistance in a durum wheat diversity panel. Euphytica, 2019, 215, 1.	0.6	17
112	Molecular tracking of multiple disease resistance in a winter wheat diversity panel. Theoretical and Applied Genetics, 2020, 133, 419-431.	1.8	17
113	Comparison of rye, triticale, durum wheat and bread wheat genotypes for Fusarium head blight resistance and deoxynivalenol contamination. Plant Breeding, 2020, 139, 251-262.	1.0	17
114	Snow mold of winter cereals: a complex disease and a challenge for resistance breeding. Theoretical and Applied Genetics, 2021, 134, 419-433.	1.8	17
115	Prediction of hybrid performance for Fusarium head blight resistance in triticale (Ã—Triticosecale) Tj ETQq1 1 0.784314 rgBT /Overloc	0.6	16
116	Correlated effects of exotic pollenâ€fertility restorer genes on agronomic and quality traits of hybrid rye. Plant Breeding, 2017, 136, 224-229.	1.0	16
117	Genome-wide association study for an efficient selection of Fusarium head blight resistance in winter triticale. Euphytica, 2019, 215, 1.	0.6	16
118	Dwarfing gene Rht24 does not affect Fusarium head blight resistance in a large European winter wheat diversity panel. Euphytica, 2022, 218, 1.	0.6	16
119	Diversity, spatial variation, and temporal dynamics of virulences in the German leaf rust (Puccinia) Tj ETQq1 1 0.784314 rgBT /Overloc	0.8	15
120	Head-blighting populations of Fusarium culmorum from Germany, Russia, and Syria analyzed by microsatellite markers show a recombining structure. European Journal of Plant Pathology, 2013, 137, 743-752.	0.8	15
121	Prediction of deoxynivalenol and zearalenone concentrations in Fusarium graminearum inoculated backcross populations of maize by symptom rating andÂnearâ€infrared spectroscopy. Plant Breeding, 2015, 134, 529-534.	1.0	15
122	Genes for wheat stem rust resistance postulated in German cultivars and their efficacy in seedling and adultâ€plant field tests. Plant Breeding, 2018, 137, 301-312.	1.0	15
123	Early prediction of biomass in hybrid rye based on hyperspectral data surpasses genomic predictability in less-related breeding material. Theoretical and Applied Genetics, 2021, 134, 1409-1422.	1.8	15
124	Multi-parent QTL mapping reveals stable QTL conferring resistance to Gibberella ear rot in maize. Euphytica, 2021, 217, 1.	0.6	15
125	Rye introgression lines as source of alleles for pollenâ€fertility restoration in Pampa CMS. Plant Breeding, 2009, 128, 528-531.	1.0	14
126	Amino acid digestibility of different rye genotypes in caecectomised laying hens. Archives of Animal Nutrition, 2016, 70, 470-487.	0.9	14

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127	Candidate gene based association mapping in Fusarium culmorum for field quantitative pathogenicity and mycotoxin production in wheat. BMC Genetics, 2017, 18, 49.	2.7	14
128	Candidate Genes for Aggressiveness in a Natural Fusarium culmorum Population Greatly Differ between Wheat and Rye Head Blight. Journal of Fungi (Basel, Switzerland), 2018, 4, 14.	1.5	14
129	Ergot infection in winter rye hybrids shows differential contribution of male and female genotypes and environment. Euphytica, 2020, 216, 1.	0.6	13
130	Intercontinental trials reveal stable QTL for Northern corn leaf blight resistance in Europe and in Brazil. Theoretical and Applied Genetics, 2021, 134, 63-79.	1.8	13
131	Selection strategies for the development of rye introgression libraries. Theoretical and Applied Genetics, 2009, 119, 595-603.	1.8	12
132	Resistance to Ergot in Self-incompatible Germplasm Resources of Winter Rye. Journal of Phytopathology, 2009, 157, 350-355.	0.5	12
133	Genetic Variation in Testcrosses and Relationship between Line per se and Testcross Performance for Resistance to Gibberella Ear Rot in Maize. Crop Science, 2010, 50, 1691-1696.	0.8	12
134	Identification of quantitative trait loci in rye introgression lines carrying multiple donor chromosome segments. Theoretical and Applied Genetics, 2013, 126, 49-58.	1.8	12
135	Analysis of Covariation of Grain Yield and Dry Matter Yield for Breeding Dual Use Hybrid Rye. Bioenergy Research, 2014, 7, 424-429.	2.2	12
136	Stability of Adult-plant Resistance to Septoria tritici blotch in 24 European Winter Wheat Varieties Across Nine Field Environments. Journal of Phytopathology, 2011, 159, no-no.	0.5	11
137	Quantitative genetic parameters for selection of biomass yield in hybrid rye. Plant Breeding, 2012, 131, 100-103.	1.0	11
138	Toward a Selection of Broadly Adapted Germplasm for Yield Stability of Hybrid Rye under Normal and Managed Drought Stress Conditions. Crop Science, 2015, 55, 1026-1034.	0.8	11
139	Significance of host complexity and diversity for race-specific leaf-rust resistance in self-fertile synthetic rye populations. Plant Breeding, 2006, 125, 225-230.	1.0	10
140	Phenotypic selection for high resistance to Fusarium head blight after introgression of quantitative trait loci (QTL) from exotic spring wheat and verification by simple sequence repeat markers a posteriori. Plant Breeding, 2008, 127, 217-221.	1.0	10
141	Analyzing Genetic Diversity for Virulence and Resistance Phenotypes in Populations of Stem Rust (Puccinia graminis f. sp. secalis) and Winter Rye (Secale cereale). Phytopathology, 2016, 106, 1335-1343.	1.1	10
142	Hyperspectral Reflectance Data and Agronomic Traits Can Predict Biomass Yield in Winter Rye Hybrids. Bioenergy Research, 2020, 13, 168-182.	2.2	10
143	Ergot Alkaloid Contents in Hybrid Rye are Reduced by Breeding. Agriculture (Switzerland), 2021, 11, 526.	1.4	9
144	The Development of a Host-Pathogen System for Evaluating Fusarium Resistance in Early Growth Stages of Wheat. Journal of Phytopathology, 1988, 121, 150-158.	0.5	8

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145	Test Systems for Evaluating Quantitative Resistance Against Fusarium Foot Rot in Inbred Lines of Winter Rye. Plant Breeding, 1992, 108, 274-282.	1.0	8
146	Inheritance of Foot Rot Resistance in Winter Rye. Crop Science, 1995, 35, 388.	0.8	8
147	Lack of Association between Fusarium Foot Rot and Head Blight Resistance in Winter Rye. Crop Science, 1997, 37, 327-331.	0.8	8
148	Correlation between per se and Testcross Performance in Rye (Secale cereale L.) Introgression Lines Estimated with a Bivariate Mixed Linear Model. Crop Science, 2010, 50, 1863-1873.	0.8	8
149	Combined inoculation of wheat pathogens <scp>Z</scp>ymoseptoria tritici and <scp>F</scp>usarium culmorum as a tool for increasing selection intensity in resistance breeding. Plant Breeding, 2014, 133, 543-547.	1.0	8
150	Genomics-Based Hybrid Rye Breeding. , 2019, , 329-348.		8
151	Mapping Stem Rust (Puccinia graminis f. sp. secalis) Resistance in Self-Fertile Winter Rye Populations. Frontiers in Plant Science, 2020, 11, 667.	1.7	8
152	Two unnecessary powdery mildew resistance genes in a synthetic rye population are neutral on fitness. Euphytica, 1995, 81, 163-170.	0.6	7
153	Variation and covariation for quantitative resistance to head blight (Fusarium culmorum) in two testcross series of S2 lines in winter rye. Plant Breeding, 1995, 114, 155-159.	1.0	7
154	Competitive Aggressiveness in Binary Mixtures of Fusarium graminearum and F.Âculmorum Isolates Inoculated on Spring Wheat with Highly Effective Resistance QTL. Journal of Phytopathology, 2010, 159, no-no.	0.5	7
155	Variation and covariation for Gibberella ear rot resistance and agronomic traits in testcrosses of doubled haploid maize lines. Euphytica, 2012, 185, 441-451.	0.6	7
156	Detection of donor effects in a rye introgression population with genomeâ€wide prediction. Plant Breeding, 2015, 134, 406-415.	1.0	7
157	A multiple disease test for field-based phenotyping of resistances to Fusarium head blight, yellow rust and stem rust in wheat. European Journal of Plant Pathology, 2018, 151, 451-461.	0.8	7
158	Multiâ€parental QTL mapping of resistance to white spot of maize (Zea mays) in southern Brazil and relationship to QTLs of other foliar diseases. Plant Breeding, 2021, 140, 801.	1.0	7
159	Effective Pollen-Fertility Restoration Is the Basis of Hybrid Rye Production and Ergot Mitigation. Plants, 2022, 11, 1115.	1.6	7
160	Genetic variation for resistance and mycotoxin content of European maize inoculated withFusarium graminearumandF. verticillioides. Cereal Research Communications, 2008, 36, 45-48.	0.8	6
161	Genetic variation for foot-rot and Fusarium head-blight resistances among full-sib families of a self-incompatible winter rye (Secale cereale L.) population. Theoretical and Applied Genetics, 1995, 91-91, 862-868.	1.8	5
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