James A Anderson

List of Publications by Year
in descending order

171	11,943	28242	29127
papers	citations	55 h-index	104 g-index

176	176	176	5920
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genome-wide comparative diversity uncovers multiple targets of selection for improvement in hexaploid wheat landraces and cultivars. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8057-8062.	3.3	1,065
2	QTL mapping and markerâ€assisted selection for Fusarium head blight resistance in wheat: a review. Plant Breeding, 2009, 128, 1-26.	1.0	662
3	DNA markers for Fusarium head blight resistance QTLs in two wheat populations. Theoretical and Applied Genetics, 2001, 102, 1164-1168.	1.8	436
4	A Chromosome Bin Map of 16,000 Expressed Sequence Tag Loci and Distribution of Genes Among the Three Genomes of Polyploid Wheat. Genetics, 2004, 168, 701-712.	1.2	369
5	Comparative DNA Sequence Analysis of Wheat and Rice Genomes. Genome Research, 2003, 13, 1818-1827.	2.4	369
6	RFLP Mapping of QTL for Fusarium Head Blight Resistance in Wheat. Crop Science, 1999, 39, 805-811.	0.8	332
7	Wheat Fhb1 encodes a chimeric lectin with agglutinin domains and a pore-forming toxin-like domain conferring resistance to Fusarium head blight. Nature Genetics, 2016, 48, 1576-1580.	9.4	299
8	The Organization and Rate of Evolution of Wheat Genomes Are Correlated With Recombination Rates Along Chromosome Arms. Genome Research, 2003, 13, 753-763.	2.4	298
9	Linkage of RFLP Markers to an Aluminum Tolerance Gene in Wheat. Crop Science, 1996, 36, 905-909.	0.8	281
10	Megabase Level Sequencing Reveals Contrasted Organization and Evolution Patterns of the Wheat Gene and Transposable Element Spaces. Plant Cell, 2010, 22, 1686-1701.	3.1	258
11	Population- and genome-specific patterns of linkage disequilibrium and SNP variation in spring and winter wheat (Triticum aestivum L.). BMC Genomics, 2010, 11, 727.	1.2	234
12	Quantitative Trait Loci Associated with Kernel Traits in a Soft Ã— Hard Wheat Cross. Crop Science, 1999, 39, 1184-1195.	0.8	231
13	RFLP Analysis of Genomic Regions Associated with Resistance to Preharvest Sprouting in Wheat. Crop Science, 1993, 33, 453-459.	0.8	220
14	Genome Wide Association Study of Seedling and Adult Plant Leaf Rust Resistance in Elite Spring Wheat Breeding Lines. PLoS ONE, 2016, 11, e0148671.	1.1	209
15	Development of a chromosomal arm map for wheat based on RFLP markers. Theoretical and Applied Genetics, 1992, 83, 1035-1043.	1.8	207
16	Genome comparisons reveal a dominant mechanism of chromosome number reduction in grasses and accelerated genome evolution in Triticeae. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15780-15785.	3.3	190
17	Nucleotide diversity maps reveal variation in diversity among wheat genomes and chromosomes. BMC Genomics, 2010, 11, 702.	1.2	189
18	Complex microcolinearity among wheat, rice, and barley revealed by fine mapping of the genomic region harboring a major QTL for resistance to Fusarium head blight in wheat. Functional and Integrative Genomics, 2006, 6, 83-89.	1.4	183

#	Article	IF	Citations
19	Validating the Fhb1 QTL for Fusarium Head Blight Resistance in Nearâ€Isogenic Wheat Lines Developed from Breeding Populations. Crop Science, 2007, 47, 200-206.	0.8	179
20	Synteny perturbations between wheat homoeologous chromosomes caused by locus duplications and deletions correlate with recombination rates. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10836-10841.	3.3	159
21	New DNA markers for high molecular weight glutenin subunits in wheat. Theoretical and Applied Genetics, 2008, 118, 177-183.	1.8	151
22	Host Plant Resistance Genes for Fusarium Head Blight: Mapping and Manipulation with Molecular Markers. Crop Science, 2001, 41, 611-619.	0.8	145
23	A wheat intervarietal genetic linkage map based on microsatellite and target region amplified polymorphism markers and its utility for detecting quantitative trait loci. Theoretical and Applied Genetics, 2005, 111, 782-794.	1.8	123
24	Toward positional cloning ofFhb1, a major QTL for Fusarium head blight resistance in wheat. Cereal Research Communications, 2008, 36, 195-201.	0.8	118
25	Genome mapping of kernel characteristics in hard red spring wheat breeding lines. Theoretical and Applied Genetics, 2010, 121, 717-730.	1.8	118
26	Identification of a candidate gene for a QTL for spikelet number per spike on wheat chromosome arm 7AL by high-resolution genetic mapping. Theoretical and Applied Genetics, 2019, 132, 2689-2705.	1.8	118
27	Quantitative Trait Loci Associated with Milling and Baking Quality in a Soft Ã— Hard Wheat Cross. Crop Science, 2001, 41, 1275-1285.	0.8	114
28	Resource Allocation and Cultivar Stability in Breeding for Fusarium Head Blight Resistance in Spring Wheat. Crop Science, 2005, 45, 1965-1972.	0.8	110
29	Nested Association Mapping of Stem Rust Resistance in Wheat Using Genotyping by Sequencing. PLoS ONE, 2016, 11, e0155760.	1.1	107
30	Targeted molecular mapping of a major wheat QTL for Fusarium head blight resistance using wheat ESTs and synteny with rice. Genome, 2003, 46, 817-823.	0.9	102
31	A Pipeline Strategy for Grain Crop Domestication. Crop Science, 2016, 56, 917-930.	0.8	101
32	RFLP mapping of resistance to chlorosis induction by Pyrenophora tritici-repentis in wheat. Theoretical and Applied Genetics, 1997, 94, 98-103.	1.8	98
33	Association mapping of North American spring wheat breeding germplasm reveals loci conferring resistance to Ug99 and other African stem rust races. BMC Plant Biology, 2015, 15, 249.	1.6	98
34	Genomeâ€Wide Association Mapping of Leaf Rust Response in a Durum Wheat Worldwide Germplasm Collection. Plant Genome, 2016, 9, plantgenome2016.01.0008.	1.6	95
35	Diagnostic Microsatellite Markers for the Detection of Stem Rust Resistance Gene Sr36 in Diverse Genetic Backgrounds of Wheat. Crop Science, 2008, 48, 253-261.	0.8	93
36	Analysis of Expressed Sequence Tag Loci on Wheat Chromosome Group 4. Genetics, 2004, 168, 651-663.	1.2	90

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37	Development of an Expressed Sequence Tag (EST) Resource for Wheat (Triticum aestivum L.). Genetics, 2004, 168, 585-593.	1.2	87
38	Establishment and Optimization of Genomic Selection to Accelerate the Domestication and Improvement of Intermediate Wheatgrass. Plant Genome, 2016, 9, plantgenome2015.07.0059.	1.6	86
39	Genetic Analysis of Sensitivity to a Pyrenophora tritici-repentis Necrosis-Inducing Toxin in Durum and Common Wheat. Phytopathology, 1999, 89, 293-297.	1.1	84
40	Identification of markers linked to the race Ug99 effective stem rust resistance gene Sr28 in wheat (Triticum aestivum L.). Theoretical and Applied Genetics, 2012, 125, 877-885.	1.8	84
41	RFLP Markers Associated with High Grain Protein from Triticum turgidum L. var. dicoccoides Introgressed into Hard Red Spring Wheat. Crop Science, 1999, 39, 508-513.	0.8	83
42	Group 3 Chromosome Bin Maps of Wheat and Their Relationship to Rice Chromosome 1. Genetics, 2004, 168, 639-650.	1.2	81
43	Evaluation of a High Grain Protein QTL from Triticum turgidum L. var. dicoccoides in an Adapted Durum Wheat Background. Crop Science, 2001, 41, 295-301.	0.8	78
44	Chromosome Bin Map of Expressed Sequence Tags in Homoeologous Group 1 of Hexaploid Wheat and Homoeology With Rice and Arabidopsis. Genetics, 2004, 168, 609-623.	1.2	78
45	A 2600-Locus Chromosome Bin Map of Wheat Homoeologous Group 2 Reveals Interstitial Gene-Rich Islands and Colinearity With Rice. Genetics, 2004, 168, 625-637.	1.2	78
46	Diagnostic and co-dominant PCR markers for wheat stem rust resistance genes Sr25 and Sr26. Theoretical and Applied Genetics, 2010, 120, 691-697.	1.8	75
47	Rust Control in Glyphosate Tolerant Wheat Following Application of the Herbicide Glyphosate. Plant Disease, 2005, 89, 1136-1142.	0.7	72
48	Wheat Polyphenol Oxidase. Crop Science, 2001, 41, 1750-1757.	0.8	69
49	A Chromosome Bin Map of 2148 Expressed Sequence Tag Loci of Wheat Homoeologous Group 7. Genetics, 2004, 168, 687-699.	1.2	68
50	Perennial Grain and Oilseed Crops. Annual Review of Plant Biology, 2016, 67, 703-729.	8.6	68
51	A 2500-Locus Bin Map of Wheat Homoeologous Group 5 Provides Insights on Gene Distribution and Colinearity With Rice. Genetics, 2004, 168, 665-676.	1.2	67
52	Molecular Breeding Using a Major QTL for Fusarium Head Blight Resistance in Wheat. Crop Science, 2007, 47, S-112.	0.8	67
53	Optimizing the SDS Sedimentation Test for End-Use Quality Selection in a Soft White and Club Wheat Breeding Program. Cereal Chemistry, 1999, 76, 907-911.	1.1	63
54	Marker-assisted selection for Fusarium head blight resistance in wheat. International Journal of Food Microbiology, 2007, 119, 51-53.	2.1	63

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55	Genetic Characterization of Stem Rust Resistance in a Global Spring Wheat Germplasm Collection. Crop Science, 2017, 57, 2575-2589.	0.8	63
56	â€˜MNâ€Clearwaterâ€™, the first foodâ€grade intermediate wheatgrass (Kernza perennial grain) cultivar. Journal of Plant Registrations, 2020, 14, 288-297.	0.4	58
57	Additional Sources of Resistance to Tan Spot of Wheat. Crop Science, 1996, 36, 771-777.	0.8	56
58	Identification and validation of SSR markers linked to the stem rust resistance gene Sr6 on the short arm of chromosome 2D in wheat. Theoretical and Applied Genetics, 2009, 118, 515-524.	1.8	56
59	Identification and stacking of crucial traits required for the domestication of pennycress. Nature Food, 2020, 1, 84-91.	6.2	54
60	Aerial hyperspectral imagery and deep neural networks for high-throughput yield phenotyping in wheat. Computers and Electronics in Agriculture, 2020, 172, 105299.	3.7	54
61	Quantitative trait loci influencing endosperm texture, dough-mixing strength, and bread-making properties of the hard red spring wheat breeding lines. Genome, 2011, 54, 460-470.	0.9	53
62	Genome-Wide Association Mapping of Fusarium Head Blight Resistance in Spring Wheat Lines Developed in the Pacific Northwest and CIMMYT. Phytopathology, 2017, 107, 1486-1495.	1.1	52
63	Haplotype diversity of stem rust resistance loci in uncharacterized wheat lines. Molecular Breeding, 2010, 26, 667-680.	1.0	50
64	Evaluation of the Potential for Genomic Selection to Improve Spring Wheat Resistance to Fusarium Head Blight in the Pacific Northwest. Frontiers in Plant Science, 2018, 9, 911.	1.7	50
65	Discovery and Deployment of Molecular Markers Linked to Fusarium Head Blight Resistance: An Integrated System for Wheat and Barley. Crop Science, 2001, 41, 638-644.	0.8	49
66	Genetic Mapping and QTL Analysis of Flour Color and Milling Yield Related Traits Using Recombinant Inbred Lines in Hard Red Spring Wheat. Crop Science, 2011, 51, 237-246.	0.8	49
67	Inheritance of resistance to Ug99 stem rust in wheat cultivar Norin 40 and genetic mapping of Sr42. Theoretical and Applied Genetics, 2012, 125, 817-824.	1.8	46
68	Microsatellite Markers Linked to Stem Rust Resistance Allele Sr9a in Wheat. Crop Science, 2007, 47, 2013-2020.	0.8	45
69	Deletion Mapping of Homoeologous Group 6-Specific Wheat Expressed Sequence Tags. Genetics, 2004, 168, 677-686.	1.2	43
70	Development of the first consensus genetic map of intermediate wheatgrass (Thinopyrum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td	1.8	43
71	Association mapping of leaf rust resistance loci in a spring wheat core collection. Theoretical and Applied Genetics, 2017, 130, 345-361.	1.8	41
72	Genetic Mapping Analysis of Breadâ€Making Quality Traits in Spring Wheat. Crop Science, 2012, 52, 2182-2197.	0.8	40

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73	QTL mapping of adult plant resistance to Ug99 stem rust in the spring wheat population RB07/MN06113-8. Molecular Breeding, 2015, 35, 1.	1.0	40
74	Molecular Mapping and Improvement of Leaf Rust Resistance in Wheat Breeding Lines. Phytopathology, 2014, 104, 865-870.	1.1	37
75	Resistance to an imidazolinone herbicide is conferred by a gene on chromosome 6DL in the wheat line cv. 9804. Weed Science, 2004, 52, 83-90.	0.8	36
76	The Performance of Early-Generation Perennial Winter Cereals at 21 Sites across Four Continents. Sustainability, 2018, 10, 1124.	1.6	36
77	Thatcher wheat line RL6149 carries Lr64 and a second leaf rust resistance gene on chromosome 1DS. Theoretical and Applied Genetics, 2019, 132, 2809-2814.	1.8	36
78	Restriction Fragment Length Polymorphism Mapping of Resistance to Two Races of Pyrenophora tritici-repentis in Adult and Seedling Wheat. Phytopathology, 2001, 91, 572-578.	1.1	35
79	Analysis of Deoxynivalenol and Deoxynivalenol-3-glucoside in Hard Red Spring Wheat Inoculated with Fusarium Graminearum. Toxins, 2013, 5, 2522-2532.	1.5	35
80	The Reflective Plant Breeding Paradigm: A Robust System of Germplasm Development to Support Strategic Diversification of Agroecosystems. Crop Science, 2014, 54, 1939-1948.	0.8	35
81	Comparing Genotypingâ€byâ€Sequencing and Single Nucleotide Polymorphism Chip Genotyping for Quantitative Trait Loci Mapping in Wheat. Crop Science, 2016, 56, 232-248.	0.8	35
82	Translational genomics using Arabidopsis as a model enables the characterization of pennycress genes through forward and reverse genetics. Plant Journal, 2018, 96, 1093-1105.	2.8	35
83	Genome-Wide Association Study of Yield Component Traits in Intermediate Wheatgrass and Implications in Genomic Selection and Breeding. G3: Genes, Genomes, Genetics, 2019, 9, 2429-2439.	0.8	34
84	Registration of â€˜Jerryâ€™ Wheat. Crop Science, 2004, 44, 1026-1027.	0.8	33
85	QTL mapping and marker assisted selection for Fusarium head blight resistance in wheat. Cereal Research Communications, 2008, 36, 1-3.	0.8	33
86	Stem Rust Resistance in â€˜Jaggerâ€™ Winter Wheat. Crop Science, 2016, 56, 1719-1725.	0.8	32
87	Development and verification of wheat germplasm containing both Sr2 and Fhb1. Molecular Breeding, 2016, 36, 1.	1.0	32
88	Evaluation of Elite Wheat Germ Plasm for Resistance to Tan Spot. Plant Disease, 2006, 90, 1320-1325.	0.7	31
89	Chromosome Location, Linkage with Simple Sequence Repeat Markers, and Leaf Rust Resistance Conditioned by Gene Lr63 in Wheat. Crop Science, 2010, 50, 2392-2395.	0.8	31
90	Genome mapping of quantitative trait loci (QTL) controlling domestication traits of intermediate wheatgrass (Thinopyrum intermedium). Theoretical and Applied Genetics, 2019, 132, 2325-2351.	1.8	30

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91	Association of Sizeâ€Exclusion HPLC of Endosperm Proteins with Dough Mixing and Breadmaking Characteristics in a Recombinant Inbred Population of Hard Red Spring Wheat. Cereal Chemistry, 2010, 87, 104-111.	1.1	29
92	Enhancing Crop Domestication Through Genomic Selection, a Case Study of Intermediate Wheatgrass. Frontiers in Plant Science, 2020, 11, 319.	1.7	28
93	First Detection in North America of Virulence in Wheat Leaf Rust (Puccinia triticina) to Seedling Plants of Wheat with Lr21. Plant Disease, 2011, 95, 1032-1032.	0.7	28
94	Uncovering the Genetic Architecture of Seed Weight and Size in Intermediate Wheatgrass through Linkage and Association Mapping. Plant Genome, 2017, 10, plantgenome2017.03.0022.	1.6	26
95	Registration of â€˜RB07â€™ Wheat. Journal of Plant Registrations, 2009, 3, 175-180.	0.4	26
96	The adaptable use of Brassica NIRS calibration equations to identify pennycress variants to facilitate the rapid domestication of a new winter oilseed crop. Industrial Crops and Products, 2019, 128, 55-61.	2.5	25
97	Development of genotyping by sequencing (GBS)- and array-derived SNP markers for stem rust resistance gene Sr42. Molecular Breeding, 2015, 35, 1.	1.0	24
98	Registration of â€˜Adaâ€™ Wheat. Crop Science, 2007, 47, 434-435.	0.8	23
99	Wheatgrassâ€“Wheat Partial Amphiploids as a Novel Source of Stem Rust and Fusarium Head Blight Resistance. Crop Science, 2013, 53, 1994-2005.	0.8	23
100	Cytology and Fertility of the Interspecific Hybrid Trifolium ambiguum âœ• T. repens and Backcross Populations. Crop Science, 1991, 31, 683-687.	0.8	22
101	Chromosome aberrations in wheat nullisomic-tetrasomic and ditelosomic lines. Cereal Research Communications, 1999, 27, 231-239.	0.8	22
102	New insights into high-molecular-weight glutenin subunits and sub-genomes of the perennial crop Thinopyrum intermedium (Triticeae). Journal of Cereal Science, 2014, 59, 203-210.	1.8	22
103	Significant variation for seed oil content, fatty acid profile, and seed weight in natural populations of field pennycress (Thlaspi arvense L.). Industrial Crops and Products, 2019, 129, 261-268.	2.5	22
104	Molecular genetic mapping of QTL associated with flour water absorption and farinograph related traits in bread wheat. Euphytica, 2013, 194, 293-302.	0.6	21
105	Genetic Diversity of Field Pennycress (Thlaspi arvense) Reveals Untapped Variability and Paths Toward Selection for Domestication. Agronomy, 2019, 9, 302.	1.3	21
106	Reaction of Elite Wheat Genotypes from the Northern Great Plains of North America to Septoria Diseases. Plant Disease, 2007, 91, 1310-1315.	0.7	20
107	Towards the understanding of end-use quality in intermediate wheatgrass (Thinopyrum intermedium): High-molecular-weight glutenin subunits, protein polymerization, and mixing characteristics. Journal of Cereal Science, 2015, 66, 81-88.	1.8	20
108	Improving Prediction Accuracy Using Multi-allelic Haplotype Prediction and Training Population Optimization in Wheat. G3: Genes, Genomes, Genetics, 2020, 10, 2265-2273.	0.8	20

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109	Registration of â€˜Sabinâ€™ Wheat. Journal of Plant Registrations, 2012, 6, 174-179.	0.4	20
110	Characterization of a Unique â€œSuper Softâ€•Kernel Trait in Wheat. Cereal Chemistry, 2011, 88, 576-583.	1.1	19
111	Dominance and GÃ—E interaction effects improve genomic prediction and genetic gain in intermediate wheatgrass (Thinopyrum intermedium). Plant Genome, 2020, 13, e20012.	1.6	19
112	Floret site utilization and reproductive tiller number are primary components of grain yield in intermediate wheatgrass spaced plants. Crop Science, 2021, 61, 1073-1088.	0.8	19
113	â€˜Prosperâ€™: A Highâ€Yielding Hard Red Spring Wheat Cultivar Adapted to the North Central Plains of the USA. Journal of Plant Registrations, 2013, 7, 75-80.	0.4	18
114	Chromosomeâ€level Thlaspi arvense genome provides new tools for translational research and for a newly domesticated cash cover crop of the cooler climates. Plant Biotechnology Journal, 2022, 20, 944-963.	4.1	18
115	Registration of â€˜Linkertâ€™ Spring Wheat with Good Straw Strength and Adult Plant Resistance to the Ug99 Family of Stem Rust Races. Journal of Plant Registrations, 2018, 12, 208-214.	0.4	17
116	Variability in temperature-independent transpiration responses to evaporative demand correlate with nighttime water use and its circadian control across diverse wheat populations. Planta, 2019, 250, 115-127.	1.6	17
117	Registration of â€˜Codaâ€™ Club Wheat. Crop Science, 2000, 40, 578-579.	0.8	15
118	Effect of growing location and variety on nutritional and functional properties of proso millet (Panicum miliaceum) grown as a double crop. Cereal Chemistry, 2018, 95, 288-301.	1.1	15
119	Identification of Flanking Markers for the Stem Rust Resistance Gene Sr6 in Wheat. Crop Science, 2010, 50, 1967-1970.	0.8	14
120	Characterization of Genetic Resistance to Fusarium Head Blight and Bacterial Leaf Streak in Intermediate Wheatgrass (Thinopyrum intermedium). Agronomy, 2019, 9, 429.	1.3	14
121	Development and Validation of a Perfect KASP Marker for Fusarium Head Blight Resistance Gene Fhb1 in Wheat. Plant Pathology Journal, 2019, 35, 200-207.	0.7	14
122	Registration of â€˜Oakleeâ€™ Wheat. Crop Science, 2005, 45, 784-785.	0.8	12
123	Fusarium head blight resistance exacerbates nutritional loss of wheat grain at elevated CO2. Scientific Reports, 2022, 12, 15.	1.6	12
124	Inheritance of Leaf Rust Resistance in the CIMMYT Wheat Weebill 1. Crop Science, 2008, 48, 1037.	0.8	11
125	Variation in gluten quality parameters of spring wheat varieties of different origin grown in contrasting environments. Journal of Cereal Science, 2015, 62, 110-116.	1.8	11
126	Genetic architecture of agronomic and quality traits in a nested association mapping population of spring wheat. Plant Genome, 2020, 13, e20051.	1.6	11

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127	Nested association mapping reveals the genetic architecture of spike emergence and anthesis timing in intermediate wheatgrass. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	11
128	Registration of â€˜Rollagâ€™ Spring Wheat. Journal of Plant Registrations, 2015, 9, 201-207.	0.4	11
129	Registration of â€˜Caraâ€™ Soft White Winter Club Wheat. Journal of Plant Registrations, 2013, 7, 81-88.	0.4	10
130	Registration of â€˜McVeyâ€™ Wheat. Crop Science, 2001, 41, 926-927.	0.8	9
131	Registration of â€˜Bollesâ€™ Hard Red Spring Wheat with High Grain Protein Concentration and Superior Baking Quality. Journal of Plant Registrations, 2018, 12, 215-221.	0.4	9
132	Temperatureâ€sensitive wheat stem rust resistance gene Sr15 is effective against Puccinia graminis f. sp. tritici race TTKSK. Plant Pathology, 2019, 68, 143-151.	1.2	9
133	Optimizing Training Population Size and Content to Improve Prediction Accuracy of FHB-Related Traits in Wheat. Agronomy, 2020, 10, 543.	1.3	9
134	Multi-Allelic Haplotype-Based Association Analysis Identifies Genomic Regions Controlling Domestication Traits in Intermediate Wheatgrass. Agriculture (Switzerland), 2021, 11, 667.	1.4	9
135	Registration of â€˜Tomâ€™ Wheat. Journal of Plant Registrations, 2012, 6, 180-185.	0.4	9
136	Genetics of Leaf Rust Resistance in Brambling Wheat. Plant Disease, 2008, 92, 1111-1118.	0.7	8
137	Genotype and Environment Variation in Elemental Composition of Spring Wheat Flag Leaves. Agronomy Journal, 2014, 106, 324-336.	0.9	8
138	Leaf and stem seedling rust resistance in wheat cultivars grown in Croatia. Euphytica, 2015, 203, 437-448.	0.6	8
139	Registration of â€˜Shellyâ€™ Hard Red Spring Wheat. Journal of Plant Registrations, 2019, 13, 199-206.	0.4	8
140	QTL for seed shattering and threshability in intermediate wheatgrass align closely with wellâ€studied orthologs from wheat, barley, and rice. Plant Genome, 2021, 14, e20145.	1.6	8
141	Multiple Fusarium head blight resistance loci mapped and pyramided onto elite spring wheat Fhb1 backgrounds using an IBD-based linkage approach. Euphytica, 2015, 204, 63-79.	0.6	7
142	Registration of â€˜Elkhornâ€™ Wheat. Crop Science, 1998, 38, 1403-1403.	0.8	6
143	Selection in Red Clover for Resistance to Northern Anthracnose. Crop Science, 1990, 30, 390.	0.8	6
144	Wheat-Net: An Automatic Dense Wheat Spike Segmentation Method Based on an Optimized Hybrid Task Cascade Model. Frontiers in Plant Science, 2022, 13, 834938.	1.7	5

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145	Time Course Metabolite Profiling of Fusarium Head Blight-Infected Hard Red Spring Wheat Using Ultra-High-Performance Liquid Chromatography Coupled with Quadrupole Time of Flight/MS. Journal of Agricultural and Food Chemistry, 2022, 70, 4152-4163.	2.4	5
146	Quantitative trait loci mapping reveals the complexity of adult plant resistance to leaf rust in spring wheat â€˜Copioâ€™. Crop Science, 2022, 62, 1037-1050.	0.8	5
147	Soybean Cyst Nematode Population Development and Its Effect on Pennycress in a Greenhouse Study. Journal of Nematology, 2022, 54, .	0.4	5
148	Quantitative trait loci influencing end-use quality traits of hard red spring wheat breeding lines. Czech Journal of Genetics and Plant Breeding, 2011, 47, S190-S195.	0.4	4
149	Variation at glutenin subunit loci, single kernel characterization and evaluation of grain protein in East African bread wheat varieties. Euphytica, 2014, 197, 409-421.	0.6	4
150	Identifying Loci Conferring Resistance to Leaf and Stripe Rusts in a Spring Wheat Population (Triticum aestivum) via Genome-Wide Association Mapping. Phytopathology, 2019, 109, 1932-1940.	1.1	4
151	<i>Selecting informative spectral bands using machine learning techniques to detect Fusarium head blight in wheat</i>. , 2019, , .		4
152	Genetic characterization of flour quality and breadâ€making traits in a spring wheat nested association mapping population. Crop Science, 2021, 61, 1168-1183.	0.8	4
153	Registration of the MN98550â€“5/MN99394â€“1 Wheat Recombinant Inbred Mapping Population. Journal of Plant Registrations, 2011, 5, 257-260.	0.4	4
154	Genetic dissection of seed characteristics in field pennycress via genomeâ€wide association mapping studies. Plant Genome, 2022, 15, e20211.	1.6	4
155	Registration of â€˜Ulenâ€™ Wheat. Crop Science, 2006, 46, 979-980.	0.8	3
156	Refrigerated Dough Quality: Effect of Environment and Genotypes of Hard Red Spring Wheat. Journal of Food Science, 2011, 76, S101-7.	1.5	3
157	Genetic dissection of Fusarium head blight resistance in spring wheat cv. â€˜Glennâ€™. Euphytica, 2020, 216, 1.	0.6	3
158	Registration of â€˜Langâ€MNâ€™ hard red spring wheat. Journal of Plant Registrations, 2021, 15, 479-489.	0.4	3
159	Registration of â€˜Nordenâ€™ Hard Red Spring Wheat. Journal of Plant Registrations, 2018, 12, 90-96.	0.4	2
160	Registration of â€˜MNâ€Washburnâ€™ hard red spring wheat containing Barley yellow dwarf virus resistance gene bdv2. Journal of Plant Registrations, 2021, 15, 490-503.	0.4	2
161	Registration of â€˜Ransomâ€™ Wheat. Crop Science, 2001, 41, 594-595.	0.8	1
162	Development and Agronomic Performance of Transgenic Roundup Ready Spring Wheat in the North Central Plains of the United States. Agronomy Journal, 2010, 102, 1462-1467.	0.9	1

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163	Polymeric proteins and their association with grain yield in hard red spring wheat lines. Euphytica, 2013, 194, 187-196.	0.6	1
164	Molecular Characterization of Genomic Regions for Adult Plant Resistance to Stem Rust in a Spring Wheat Mapping Population. Plant Disease, 2022, 106, 439-450.	0.7	1
165	Diagnostic Microsatellite Markers for the Detection of Stem Rust Resistance Gene Sr36 in Diverse Genetic Backgrounds of Wheat. , 2008, 48, 253.		1
166	Genetic architecture of yield component traits in the new perennial grain crop, intermediate wheatgrass (Thinopyrum intermedium). Crop Science, 0, , .	0.8	1
167	Influence of Pollen Dispersal and Mating Pattern in Domestication of Intermediate Wheatgrass, a Novel Perennial Food Crop. Frontiers in Plant Science, 2022, 13, 871130.	1.7	1
168	Registration of Trifolium ambiguum âœ• T. repens Hexaploid Germplasm HBC/F2â€€. Crop Science, 1998, 38, 286-287.	0.8	0
169	Registration of KUWNSr, a wheat stem rust nested association mapping population. Journal of Plant Registrations, 2020, 14, 467-473.	0.4	0
170	Advances in disease-resistant wheat varieties. Burleigh Dodds Series in Agricultural Science, 2017, , 371-384.	0.1	0
171	Genome-wide association mapping and genomic prediction for kernel color traits in intermediate wheatgrass (Thinopyrum intermedium). BMC Plant Biology, 2022, 22, 218.	1.6	0