

# James A Anderson

## List of Publications by Year in descending order

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171  
papers

11,943  
citations

28274

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29157

104  
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176  
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176  
docs citations

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times ranked

5920  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-wide comparative diversity uncovers multiple targets of selection for improvement in hexaploid wheat landraces and cultivars. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8057-8062.	7.1	1,065
2	QTL mapping and marker-assisted selection for <i>Fusarium</i> head blight resistance in wheat: a review. <i>Plant Breeding</i> , 2009, 128, 1-26.	1.9	662
3	DNA markers for <i>Fusarium</i> head blight resistance QTLs in two wheat populations. <i>Theoretical and Applied Genetics</i> , 2001, 102, 1164-1168.	3.6	436
4	A Chromosome Bin Map of 16,000 Expressed Sequence Tag Loci and Distribution of Genes Among the Three Genomes of Polyploid Wheat. <i>Genetics</i> , 2004, 168, 701-712.	2.9	369
5	Comparative DNA Sequence Analysis of Wheat and Rice Genomes. <i>Genome Research</i> , 2003, 13, 1818-1827.	5.5	369
6	RFLP Mapping of QTL for <i>Fusarium</i> Head Blight Resistance in Wheat. <i>Crop Science</i> , 1999, 39, 805-811.	1.8	332
7	Wheat <i>Fhb1</i> encodes a chimeric lectin with agglutinin domains and a pore-forming toxin-like domain conferring resistance to <i>Fusarium</i> head blight. <i>Nature Genetics</i> , 2016, 48, 1576-1580.	21.4	299
8	The Organization and Rate of Evolution of Wheat Genomes Are Correlated With Recombination Rates Along Chromosome Arms. <i>Genome Research</i> , 2003, 13, 753-763.	5.5	298
9	Linkage of RFLP Markers to an Aluminum Tolerance Gene in Wheat. <i>Crop Science</i> , 1996, 36, 905-909.	1.8	281
10	Megabase Level Sequencing Reveals Contrasted Organization and Evolution Patterns of the Wheat Gene and Transposable Element Spaces. <i>Plant Cell</i> , 2010, 22, 1686-1701.	6.6	258
11	Population- and genome-specific patterns of linkage disequilibrium and SNP variation in spring and winter wheat ( <i>Triticum aestivum</i> L.). <i>BMC Genomics</i> , 2010, 11, 727.	2.8	234
12	Quantitative Trait Loci Associated with Kernel Traits in a Soft – Hard Wheat Cross. <i>Crop Science</i> , 1999, 39, 1184-1195.	1.8	231
13	RFLP Analysis of Genomic Regions Associated with Resistance to Preharvest Sprouting in Wheat. <i>Crop Science</i> , 1993, 33, 453-459.	1.8	220
14	Genome Wide Association Study of Seedling and Adult Plant Leaf Rust Resistance in Elite Spring Wheat Breeding Lines. <i>PLoS ONE</i> , 2016, 11, e0148671.	2.5	209
15	Development of a chromosomal arm map for wheat based on RFLP markers. <i>Theoretical and Applied Genetics</i> , 1992, 83, 1035-1043.	3.6	207
16	Genome comparisons reveal a dominant mechanism of chromosome number reduction in grasses and accelerated genome evolution in Triticeae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15780-15785.	7.1	190
17	Nucleotide diversity maps reveal variation in diversity among wheat genomes and chromosomes. <i>BMC Genomics</i> , 2010, 11, 702.	2.8	189
18	Complex microcolinearity among wheat, rice, and barley revealed by fine mapping of the genomic region harboring a major QTL for resistance to <i>Fusarium</i> head blight in wheat. <i>Functional and Integrative Genomics</i> , 2006, 6, 83-89.	3.5	183

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19	Validating the Fhb1 QTL for Fusarium Head Blight Resistance in Near-Isogenic Wheat Lines Developed from Breeding Populations. <i>Crop Science</i> , 2007, 47, 200-206.	1.8	179
20	Synteny perturbations between wheat homoeologous chromosomes caused by locus duplications and deletions correlate with recombination rates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10836-10841.	7.1	159
21	New DNA markers for high molecular weight glutenin subunits in wheat. <i>Theoretical and Applied Genetics</i> , 2008, 118, 177-183.	3.6	151
22	Host Plant Resistance Genes for Fusarium Head Blight: Mapping and Manipulation with Molecular Markers. <i>Crop Science</i> , 2001, 41, 611-619.	1.8	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. <i>Theoretical and Applied Genetics</i> , 2005, 111, 782-794.	3.6	123
24	Toward positional cloning of <i>Fhb1</i> , a major QTL for Fusarium head blight resistance in wheat. <i>Cereal Research Communications</i> , 2008, 36, 195-201.	1.6	118
25	Genome mapping of kernel characteristics in hard red spring wheat breeding lines. <i>Theoretical and Applied Genetics</i> , 2010, 121, 717-730.	3.6	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. <i>Theoretical and Applied Genetics</i> , 2019, 132, 2689-2705.	3.6	118
27	Quantitative Trait Loci Associated with Milling and Baking Quality in a Soft – Hard Wheat Cross. <i>Crop Science</i> , 2001, 41, 1275-1285.	1.8	114
28	Resource Allocation and Cultivar Stability in Breeding for Fusarium Head Blight Resistance in Spring Wheat. <i>Crop Science</i> , 2005, 45, 1965-1972.	1.8	110
29	Nested Association Mapping of Stem Rust Resistance in Wheat Using Genotyping by Sequencing. <i>PLoS ONE</i> , 2016, 11, e0155760.	2.5	107
30	Targeted molecular mapping of a major wheat QTL for Fusarium head blight resistance using wheat ESTs and synteny with rice. <i>Genome</i> , 2003, 46, 817-823.	2.0	102
31	A Pipeline Strategy for Grain Crop Domestication. <i>Crop Science</i> , 2016, 56, 917-930.	1.8	101
32	RFLP mapping of resistance to chlorosis induction by <i>Pyrenophora tritici-repentis</i> in wheat. <i>Theoretical and Applied Genetics</i> , 1997, 94, 98-103.	3.6	98
33	Association mapping of North American spring wheat breeding germplasm reveals loci conferring resistance to Ug99 and other African stem rust races. <i>BMC Plant Biology</i> , 2015, 15, 249.	3.6	98
34	Genome-Wide Association Mapping of Leaf Rust Response in a Durum Wheat Worldwide Germplasm Collection. <i>Plant Genome</i> , 2016, 9, plantgenome2016.01.0008.	2.8	95
35	Diagnostic Microsatellite Markers for the Detection of Stem Rust Resistance Gene <i>Sr36</i> in Diverse Genetic Backgrounds of Wheat. <i>Crop Science</i> , 2008, 48, 253-261.	1.8	93
36	Analysis of Expressed Sequence Tag Loci on Wheat Chromosome Group 4. <i>Genetics</i> , 2004, 168, 651-663.	2.9	90

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37	Development of an Expressed Sequence Tag (EST) Resource for Wheat ( <i>Triticum aestivum</i> L.). <i>Genetics</i> , 2004, 168, 585-593.	2.9	87
38	Establishment and Optimization of Genomic Selection to Accelerate the Domestication and Improvement of Intermediate Wheatgrass. <i>Plant Genome</i> , 2016, 9, plantgenome2015.07.0059.	2.8	86
39	Genetic Analysis of Sensitivity to a <i>Pyrenophora tritici-repentis</i> Necrosis-Inducing Toxin in Durum and Common Wheat. <i>Phytopathology</i> , 1999, 89, 293-297.	2.2	84
40	Identification of markers linked to the race Ug99 effective stem rust resistance gene Sr28 in wheat ( <i>Triticum aestivum</i> L.). <i>Theoretical and Applied Genetics</i> , 2012, 125, 877-885.	3.6	84
41	RFLP Markers Associated with High Grain Protein from <i>Triticum turgidum</i> L. var. <i>dicoccoides</i> Introgressed into Hard Red Spring Wheat. <i>Crop Science</i> , 1999, 39, 508-513.	1.8	83
42	Group 3 Chromosome Bin Maps of Wheat and Their Relationship to Rice Chromosome 1. <i>Genetics</i> , 2004, 168, 639-650.	2.9	81
43	Evaluation of a High Grain Protein QTL from <i>Triticum turgidum</i> L. var. <i>dicoccoides</i> in an Adapted Durum Wheat Background. <i>Crop Science</i> , 2001, 41, 295-301.	1.8	78
44	Chromosome Bin Map of Expressed Sequence Tags in Homoeologous Group 1 of Hexaploid Wheat and Homoeology With Rice and Arabidopsis. <i>Genetics</i> , 2004, 168, 609-623.	2.9	78
45	A 2600-Locus Chromosome Bin Map of Wheat Homoeologous Group 2 Reveals Interstitial Gene-Rich Islands and Colinearity With Rice. <i>Genetics</i> , 2004, 168, 625-637.	2.9	78
46	Diagnostic and co-dominant PCR markers for wheat stem rust resistance genes Sr25 and Sr26. <i>Theoretical and Applied Genetics</i> , 2010, 120, 691-697.	3.6	75
47	Rust Control in Glyphosate Tolerant Wheat Following Application of the Herbicide Glyphosate. <i>Plant Disease</i> , 2005, 89, 1136-1142.	1.4	72
48	Wheat Polyphenol Oxidase. <i>Crop Science</i> , 2001, 41, 1750-1757.	1.8	69
49	A Chromosome Bin Map of 2148 Expressed Sequence Tag Loci of Wheat Homoeologous Group 7. <i>Genetics</i> , 2004, 168, 687-699.	2.9	68
50	Perennial Grain and Oilseed Crops. <i>Annual Review of Plant Biology</i> , 2016, 67, 703-729.	18.7	68
51	A 2500-Locus Bin Map of Wheat Homoeologous Group 5 Provides Insights on Gene Distribution and Colinearity With Rice. <i>Genetics</i> , 2004, 168, 665-676.	2.9	67
52	Molecular Breeding Using a Major QTL for Fusarium Head Blight Resistance in Wheat. <i>Crop Science</i> , 2007, 47, S-112.	1.8	67
53	Optimizing the SDS Sedimentation Test for End-Use Quality Selection in a Soft White and Club Wheat Breeding Program. <i>Cereal Chemistry</i> , 1999, 76, 907-911.	2.2	63
54	Marker-assisted selection for Fusarium head blight resistance in wheat. <i>International Journal of Food Microbiology</i> , 2007, 119, 51-53.	4.7	63

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55	Genetic Characterization of Stem Rust Resistance in a Global Spring Wheat Germplasm Collection. <i>Crop Science</i> , 2017, 57, 2575-2589.	1.8	63
56	â€œMNâ€œClearwaterâ€™, the first foodâ€œgrade intermediate wheatgrass ( <i>Kernza</i> perennial grain) cultivar. <i>Journal of Plant Registrations</i> , 2020, 14, 288-297.	0.5	58
57	Additional Sources of Resistance to Tan Spot of Wheat. <i>Crop Science</i> , 1996, 36, 771-777.	1.8	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. <i>Theoretical and Applied Genetics</i> , 2009, 118, 515-524.	3.6	56
59	Identification and stacking of crucial traits required for the domestication of pennycress. <i>Nature Food</i> , 2020, 1, 84-91.	14.0	54
60	Aerial hyperspectral imagery and deep neural networks for high-throughput yield phenotyping in wheat. <i>Computers and Electronics in Agriculture</i> , 2020, 172, 105299.	7.7	54
61	Quantitative trait loci influencing endosperm texture, dough-mixing strength, and bread-making properties of the hard red spring wheat breeding lines. <i>Genome</i> , 2011, 54, 460-470.	2.0	53
62	Genome-Wide Association Mapping of Fusarium Head Blight Resistance in Spring Wheat Lines Developed in the Pacific Northwest and CIMMYT. <i>Phytopathology</i> , 2017, 107, 1486-1495.	2.2	52
63	Haplotype diversity of stem rust resistance loci in uncharacterized wheat lines. <i>Molecular Breeding</i> , 2010, 26, 667-680.	2.1	50
64	Evaluation of the Potential for Genomic Selection to Improve Spring Wheat Resistance to Fusarium Head Blight in the Pacific Northwest. <i>Frontiers in Plant Science</i> , 2018, 9, 911.	3.6	50
65	Discovery and Deployment of Molecular Markers Linked to Fusarium Head Blight Resistance: An Integrated System for Wheat and Barley. <i>Crop Science</i> , 2001, 41, 638-644.	1.8	49
66	Genetic Mapping and QTL Analysis of Flour Color and Milling Yield Related Traits Using Recombinant Inbred Lines in Hard Red Spring Wheat. <i>Crop Science</i> , 2011, 51, 237-246.	1.8	49
67	Inheritance of resistance to Ug99 stem rust in wheat cultivar Norin 40 and genetic mapping of Sr42. <i>Theoretical and Applied Genetics</i> , 2012, 125, 817-824.	3.6	46
68	Microsatellite Markers Linked to Stem Rust Resistance Allele <i>Sr9a</i> in Wheat. <i>Crop Science</i> , 2007, 47, 2013-2020.	1.8	45
69	Deletion Mapping of Homoeologous Group 6-Specific Wheat Expressed Sequence Tags. <i>Genetics</i> , 2004, 168, 677-686.	2.9	43
70	Development of the first consensus genetic map of intermediate wheatgrass ( <i>Thinopyrum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td	3.6	43
71	Association mapping of leaf rust resistance loci in a spring wheat core collection. <i>Theoretical and Applied Genetics</i> , 2017, 130, 345-361.	3.6	41
72	Genetic Mapping Analysis of Breadâ€œMaking Quality Traits in Spring Wheat. <i>Crop Science</i> , 2012, 52, 2182-2197.	1.8	40

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73	QTL mapping of adult plant resistance to Ug99 stem rust in the spring wheat population RB07/MN06113-8. <i>Molecular Breeding</i> , 2015, 35, 1.	2.1	40
74	Molecular Mapping and Improvement of Leaf Rust Resistance in Wheat Breeding Lines. <i>Phytopathology</i> , 2014, 104, 865-870.	2.2	37
75	Resistance to an imidazolinone herbicide is conferred by a gene on chromosome 6DL in the wheat line cv. 9804. <i>Weed Science</i> , 2004, 52, 83-90.	1.5	36
76	The Performance of Early-Generation Perennial Winter Cereals at 21 Sites across Four Continents. <i>Sustainability</i> , 2018, 10, 1124.	3.2	36
77	Thatcher wheat line RL6149 carries Lr64 and a second leaf rust resistance gene on chromosome 1DS. <i>Theoretical and Applied Genetics</i> , 2019, 132, 2809-2814.	3.6	36
78	Restriction Fragment Length Polymorphism Mapping of Resistance to Two Races of <i>Pyrenophora tritici-repentis</i> in Adult and Seedling Wheat. <i>Phytopathology</i> , 2001, 91, 572-578.	2.2	35
79	Analysis of Deoxynivalenol and Deoxynivalenol-3-glucoside in Hard Red Spring Wheat Inoculated with <i>Fusarium Graminearum</i> . <i>Toxins</i> , 2013, 5, 2522-2532.	3.4	35
80	The Reflective Plant Breeding Paradigm: A Robust System of Germplasm Development to Support Strategic Diversification of Agroecosystems. <i>Crop Science</i> , 2014, 54, 1939-1948.	1.8	35
81	Comparing Genotyping-by-sequencing and Single Nucleotide Polymorphism Chip Genotyping for Quantitative Trait Loci Mapping in Wheat. <i>Crop Science</i> , 2016, 56, 232-248.	1.8	35
82	Translational genomics using <i>Arabidopsis</i> as a model enables the characterization of pennycress genes through forward and reverse genetics. <i>Plant Journal</i> , 2018, 96, 1093-1105.	5.7	35
83	Genome-Wide Association Study of Yield Component Traits in Intermediate Wheatgrass and Implications in Genomic Selection and Breeding. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2429-2439.	1.8	34
84	Registration of "Jerry"™ Wheat. <i>Crop Science</i> , 2004, 44, 1026-1027.	1.8	33
85	QTL mapping and marker assisted selection for <i>Fusarium</i> head blight resistance in wheat. <i>Cereal Research Communications</i> , 2008, 36, 1-3.	1.6	33
86	Stem Rust Resistance in "Jagger"™ Winter Wheat. <i>Crop Science</i> , 2016, 56, 1719-1725.	1.8	32
87	Development and verification of wheat germplasm containing both Sr2 and Fhb1. <i>Molecular Breeding</i> , 2016, 36, 1.	2.1	32
88	Evaluation of Elite Wheat Germ Plasm for Resistance to Tan Spot. <i>Plant Disease</i> , 2006, 90, 1320-1325.	1.4	31
89	Chromosome Location, Linkage with Simple Sequence Repeat Markers, and Leaf Rust Resistance Conditioned by Gene <i>Lr63</i> in Wheat. <i>Crop Science</i> , 2010, 50, 2392-2395.	1.8	31
90	Genome mapping of quantitative trait loci (QTL) controlling domestication traits of intermediate wheatgrass ( <i>Thinopyrum intermedium</i> ). <i>Theoretical and Applied Genetics</i> , 2019, 132, 2325-2351.	3.6	30

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91	Association of Size-Exclusion HPLC of Endosperm Proteins with Dough Mixing and Breadmaking Characteristics in a Recombinant Inbred Population of Hard Red Spring Wheat. <i>Cereal Chemistry</i> , 2010, 87, 104-111.	2.2	29
92	Enhancing Crop Domestication Through Genomic Selection, a Case Study of Intermediate Wheatgrass. <i>Frontiers in Plant Science</i> , 2020, 11, 319.	3.6	28
93	First Detection in North America of Virulence in Wheat Leaf Rust ( <i>Puccinia triticina</i> ) to Seedling Plants of Wheat with <i>Lr21</i> . <i>Plant Disease</i> , 2011, 95, 1032-1032.	1.4	28
94	Uncovering the Genetic Architecture of Seed Weight and Size in Intermediate Wheatgrass through Linkage and Association Mapping. <i>Plant Genome</i> , 2017, 10, plantgenome2017.03.0022.	2.8	26
95	Registration of "B07" Wheat. <i>Journal of Plant Registrations</i> , 2009, 3, 175-180.	0.5	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. <i>Industrial Crops and Products</i> , 2019, 128, 55-61.	5.2	25
97	Development of genotyping by sequencing (GBS)- and array-derived SNP markers for stem rust resistance gene <i>Sr42</i> . <i>Molecular Breeding</i> , 2015, 35, 1.	2.1	24
98	Registration of "Ada" Wheat. <i>Crop Science</i> , 2007, 47, 434-435.	1.8	23
99	Wheatgrass "Wheat Partial Amphiploids as a Novel Source of Stem Rust and Fusarium Head Blight Resistance. <i>Crop Science</i> , 2013, 53, 1994-2005.	1.8	23
100	Cytology and Fertility of the Interspecific Hybrid <i>Trifolium ambiguum</i> × <i>T. repens</i> and Backcross Populations. <i>Crop Science</i> , 1991, 31, 683-687.	1.8	22
101	Chromosome aberrations in wheat nullisomic-tetrasomic and ditelosomic lines. <i>Cereal Research Communications</i> , 1999, 27, 231-239.	1.6	22
102	New insights into high-molecular-weight glutenin subunits and sub-genomes of the perennial crop <i>Thinopyrum intermedium</i> (Triticeae). <i>Journal of Cereal Science</i> , 2014, 59, 203-210.	3.7	22
103	Significant variation for seed oil content, fatty acid profile, and seed weight in natural populations of field pennycress ( <i>Thlaspi arvense</i> L.). <i>Industrial Crops and Products</i> , 2019, 129, 261-268.	5.2	22
104	Molecular genetic mapping of QTL associated with flour water absorption and farinograph related traits in bread wheat. <i>Euphytica</i> , 2013, 194, 293-302.	1.2	21
105	Genetic Diversity of Field Pennycress ( <i>Thlaspi arvense</i> ) Reveals Untapped Variability and Paths Toward Selection for Domestication. <i>Agronomy</i> , 2019, 9, 302.	3.0	21
106	Reaction of Elite Wheat Genotypes from the Northern Great Plains of North America to Septoria Diseases. <i>Plant Disease</i> , 2007, 91, 1310-1315.	1.4	20
107	Towards the understanding of end-use quality in intermediate wheatgrass ( <i>Thinopyrum intermedium</i> ): High-molecular-weight glutenin subunits, protein polymerization, and mixing characteristics. <i>Journal of Cereal Science</i> , 2015, 66, 81-88.	3.7	20
108	Improving Prediction Accuracy Using Multi-allelic Haplotype Prediction and Training Population Optimization in Wheat. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 2265-2273.	1.8	20



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109	Registration of â€˜Sabinâ€™™ Wheat. <i>Journal of Plant Registrations</i> , 2012, 6, 174-179.	0.5	20
110	Characterization of a Unique â€œSuper Softâ€•Kernel Trait in Wheat. <i>Cereal Chemistry</i> , 2011, 88, 576-583.	2.2	19
111	Dominance and GÃ—E interaction effects improve genomic prediction and genetic gain in intermediate wheatgrass (<i>Thinopyrum intermedium</i>). <i>Plant Genome</i> , 2020, 13, e20012.	2.8	19
112	Floret site utilization and reproductive tiller number are primary components of grain yield in intermediate wheatgrass spaced plants. <i>Crop Science</i> , 2021, 61, 1073-1088.	1.8	19
113	â€˜Prosperâ€™™: A Highâ€•Yielding Hard Red Spring Wheat Cultivar Adapted to the North Central Plains of the USA. <i>Journal of Plant Registrations</i> , 2013, 7, 75-80.	0.5	18
114	Chromosomeâ€•level <i>Thlaspi arvense</i> genome provides new tools for translational research and for a newly domesticated cash cover crop of the cooler climates. <i>Plant Biotechnology Journal</i> , 2022, 20, 944-963.	8.3	18
115	Registration of â€˜Linkertâ€™™ Spring Wheat with Good Straw Strength and Adult Plant Resistance to the Ug99 Family of Stem Rust Races. <i>Journal of Plant Registrations</i> , 2018, 12, 208-214.	0.5	17
116	Variability in temperature-independent transpiration responses to evaporative demand correlate with nighttime water use and its circadian control across diverse wheat populations. <i>Planta</i> , 2019, 250, 115-127.	3.2	17
117	Registration of â€˜Codaâ€™™ Club Wheat. <i>Crop Science</i> , 2000, 40, 578-579.	1.8	15
118	Effect of growing location and variety on nutritional and functional properties of proso millet (<i>Panicum miliaceum</i>) grown as a double crop. <i>Cereal Chemistry</i> , 2018, 95, 288-301.	2.2	15
119	Identification of Flanking Markers for the Stem Rust Resistance Gene <i>Sr6</i> in Wheat. <i>Crop Science</i> , 2010, 50, 1967-1970.	1.8	14
120	Characterization of Genetic Resistance to Fusarium Head Blight and Bacterial Leaf Streak in Intermediate Wheatgrass ( <i>Thinopyrum intermedium</i> ). <i>Agronomy</i> , 2019, 9, 429.	3.0	14
121	Development and Validation of a Perfect KASP Marker for Fusarium Head Blight Resistance Gene Fhb1 in Wheat. <i>Plant Pathology Journal</i> , 2019, 35, 200-207.	1.7	14
122	Registration of â€˜Okleeâ€™™ Wheat. <i>Crop Science</i> , 2005, 45, 784-785.	1.8	12
123	Fusarium head blight resistance exacerbates nutritional loss of wheat grain at elevated CO2. <i>Scientific Reports</i> , 2022, 12, 15.	3.3	12
124	Inheritance of Leaf Rust Resistance in the CIMMYT Wheat Weebill 1. <i>Crop Science</i> , 2008, 48, 1037.	1.8	11
125	Variation in gluten quality parameters of spring wheat varieties of different origin grown in contrasting environments. <i>Journal of Cereal Science</i> , 2015, 62, 110-116.	3.7	11
126	Genetic architecture of agronomic and quality traits in a nested association mapping population of spring wheat. <i>Plant Genome</i> , 2020, 13, e20051.	2.8	11



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127	Nested association mapping reveals the genetic architecture of spike emergence and anthesis timing in intermediate wheatgrass. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	11
128	Registration of â€˜Rollagâ€™™ Spring Wheat. <i>Journal of Plant Registrations</i> , 2015, 9, 201-207.	0.5	11
129	Registration of â€˜Caraâ€™™ Soft White Winter Club Wheat. <i>Journal of Plant Registrations</i> , 2013, 7, 81-88.	0.5	10
130	Registration of â€˜McVeyâ€™™ Wheat. <i>Crop Science</i> , 2001, 41, 926-927.	1.8	9
131	Registration of â€˜Bollesâ€™™ Hard Red Spring Wheat with High Grain Protein Concentration and Superior Baking Quality. <i>Journal of Plant Registrations</i> , 2018, 12, 215-221.	0.5	9
132	Temperatureâ€“sensitive wheat stem rust resistance gene Sr15 is effective against <i>Puccinia graminis</i> f. sp. tritici race TTKSK. <i>Plant Pathology</i> , 2019, 68, 143-151.	2.4	9
133	Optimizing Training Population Size and Content to Improve Prediction Accuracy of FHB-Related Traits in Wheat. <i>Agronomy</i> , 2020, 10, 543.	3.0	9
134	Multi-Allelic Haplotype-Based Association Analysis Identifies Genomic Regions Controlling Domestication Traits in Intermediate Wheatgrass. <i>Agriculture (Switzerland)</i> , 2021, 11, 667.	3.1	9
135	Registration of â€˜Tomâ€™™ Wheat. <i>Journal of Plant Registrations</i> , 2012, 6, 180-185.	0.5	9
136	Genetics of Leaf Rust Resistance in Brambling Wheat. <i>Plant Disease</i> , 2008, 92, 1111-1118.	1.4	8
137	Genotype and Environment Variation in Elemental Composition of Spring Wheat Flag Leaves. <i>Agronomy Journal</i> , 2014, 106, 324-336.	1.8	8
138	Leaf and stem seedling rust resistance in wheat cultivars grown in Croatia. <i>Euphytica</i> , 2015, 203, 437-448.	1.2	8
139	Registration of â€˜Shellyâ€™™ Hard Red Spring Wheat. <i>Journal of Plant Registrations</i> , 2019, 13, 199-206.	0.5	8
140	QTL for seed shattering and threshability in intermediate wheatgrass align closely with wellâ€“studied orthologs from wheat, barley, and rice. <i>Plant Genome</i> , 2021, 14, e20145.	2.8	8
141	Multiple Fusarium head blight resistance loci mapped and pyramided onto elite spring wheat Fhb1 backgrounds using an IBD-based linkage approach. <i>Euphytica</i> , 2015, 204, 63-79.	1.2	7
142	Registration of â€˜Elkhornâ€™™ Wheat. <i>Crop Science</i> , 1998, 38, 1403-1403.	1.8	6
143	Selection in Red Clover for Resistance to Northern Anthracnose. <i>Crop Science</i> , 1990, 30, 390.	1.8	6
144	Wheat-Net: An Automatic Dense Wheat Spike Segmentation Method Based on an Optimized Hybrid Task Cascade Model. <i>Frontiers in Plant Science</i> , 2022, 13, 834938.	3.6	5

#	ARTICLE	IF	CITATIONS
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. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 4152-4163.	5.2	5
146	Quantitative trait loci mapping reveals the complexity of adult plant resistance to leaf rust in spring wheat "Copio". <i>Crop Science</i> , 2022, 62, 1037-1050.	1.8	5
147	Soybean Cyst Nematode Population Development and Its Effect on Pennycress in a Greenhouse Study. <i>Journal of Nematology</i> , 2022, 54, .	0.9	5
148	Quantitative trait loci influencing end-use quality traits of hard red spring wheat breeding lines. <i>Czech Journal of Genetics and Plant Breeding</i> , 2011, 47, S190-S195.	0.8	4
149	Variation at glutenin subunit loci, single kernel characterization and evaluation of grain protein in East African bread wheat varieties. <i>Euphytica</i> , 2014, 197, 409-421.	1.2	4
150	Identifying Loci Conferring Resistance to Leaf and Stripe Rusts in a Spring Wheat Population ( <i>Triticum aestivum</i> ) via Genome-Wide Association Mapping. <i>Phytopathology</i> , 2019, 109, 1932-1940.	2.2	4
151	Selecting informative spectral bands using machine learning techniques to detect Fusarium head blight in wheat. , 2019, , .		4
152	Genetic characterization of flour quality and bread-making traits in a spring wheat nested association mapping population. <i>Crop Science</i> , 2021, 61, 1168-1183.	1.8	4
153	Registration of the MN98550"5/MN99394"1 Wheat Recombinant Inbred Mapping Population. <i>Journal of Plant Registrations</i> , 2011, 5, 257-260.	0.5	4
154	Genetic dissection of seed characteristics in field pennycress via genome-wide association mapping studies. <i>Plant Genome</i> , 2022, 15, e20211.	2.8	4
155	Registration of "Ulen" Wheat. <i>Crop Science</i> , 2006, 46, 979-980.	1.8	3
156	Refrigerated Dough Quality: Effect of Environment and Genotypes of Hard Red Spring Wheat. <i>Journal of Food Science</i> , 2011, 76, S101-7.	3.1	3
157	Genetic dissection of Fusarium head blight resistance in spring wheat cv. "Glenn". <i>Euphytica</i> , 2020, 216, 1.	1.2	3
158	Registration of "Lang" MN hard red spring wheat. <i>Journal of Plant Registrations</i> , 2021, 15, 479-489.	0.5	3
159	Registration of "Norden" Hard Red Spring Wheat. <i>Journal of Plant Registrations</i> , 2018, 12, 90-96.	0.5	2
160	Registration of "MN" Washburn hard red spring wheat containing <i>Barley yellow dwarf virus</i> resistance gene <i>bdv2</i> . <i>Journal of Plant Registrations</i> , 2021, 15, 490-503.	0.5	2
161	Registration of "Ransom" Wheat. <i>Crop Science</i> , 2001, 41, 594-595.	1.8	1
162	Development and Agronomic Performance of Transgenic Roundup Ready Spring Wheat in the North Central Plains of the United States. <i>Agronomy Journal</i> , 2010, 102, 1462-1467.	1.8	1

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163	Polymeric proteins and their association with grain yield in hard red spring wheat lines. <i>Euphytica</i> , 2013, 194, 187-196.	1.2	1
164	Molecular Characterization of Genomic Regions for Adult Plant Resistance to Stem Rust in a Spring Wheat Mapping Population. <i>Plant Disease</i> , 2022, 106, 439-450.	1.4	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 ( <i>Thinopyrum intermedium</i> ). <i>Crop Science</i> , 0, , .	1.8	1
167	Influence of Pollen Dispersal and Mating Pattern in Domestication of Intermediate Wheatgrass, a Novel Perennial Food Crop. <i>Frontiers in Plant Science</i> , 2022, 13, 871130.	3.6	1
168	Registration of <i>Trifolium ambiguum</i> × <i>T. repens</i> Hexaploid Germplasm HBC/F2. <i>Crop Science</i> , 1998, 38, 286-287.	1.8	0
169	Registration of KIWNSr, a wheat stem rust nested association mapping population. <i>Journal of Plant Registrations</i> , 2020, 14, 467-473.	0.5	0
170	Advances in disease-resistant wheat varieties. <i>Burleigh Dodds Series in Agricultural Science</i> , 2017, , 371-384.	0.2	0
171	Genome-wide association mapping and genomic prediction for kernel color traits in intermediate wheatgrass ( <i>Thinopyrum intermedium</i> ). <i>BMC Plant Biology</i> , 2022, 22, 218.	3.6	0