P Stephen Baenziger

List of Publications by Year
in descending order

300 papers	11,320 citations	30070 54 h-index	43889 91 g-index
306 all docs	306 docs citations	306 times ranked	7901 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.	7.1	1,065
2	Exploiting genetic diversity from landraces in wheat breeding for adaptation to climate change. Journal of Experimental Botany, 2015, 66, 3477-3486.	4.8	356
3	Drought Stress Tolerance in Wheat and Barley: Advances in Physiology, Breeding and Genetics Research. International Journal of Molecular Sciences, 2019, 20, 3137.	4.1	353
4	Management of Fusarium head blight of wheat and barley. Crop Protection, 2015, 73, 100-107.	2.1	236
5	Population- and genome-specific patterns of linkage disequilibrium and SNP variation in spring and winter wheat (Triticum aestivum L.). BMC Genomics, 2010, 11, 727.	2.8	234
6	GWAS: Fast-forwarding gene identification and characterization in temperate Cereals: lessons from Barley â€“ A review. Journal of Advanced Research, 2020, 22, 119-135.	9.5	227
7	Genotype and Environment Effects on Quality Characteristics of Hard Red Winter Wheat. Crop Science, 1992, 32, 98-103.	1.8	221
8	A multi-sensor system for high throughput field phenotyping in soybean and wheat breeding. Computers and Electronics in Agriculture, 2016, 128, 181-192.	7.7	191
9	Genetic Diversity and Population Structure of F3:6 Nebraska Winter Wheat Genotypes Using Genotyping-By-Sequencing. Frontiers in Genetics, 2018, 9, 76.	2.3	183
10	Demarcating the gene-rich regions of the wheat genome. Nucleic Acids Research, 2004, 32, 3546-3565.	14.5	181
11	Transferability of SSR markers among wheat, rye, and triticale. Theoretical and Applied Genetics, 2004, 108, 1147-1150.	3.6	161
12	Comparison of phenotypic and molecular marker-based classifications of hard red winter wheat cultivars. Euphytica, 2005, 145, 133-146.	1.2	151
13	Identification of QTLs and Environmental Interactions Associated with Agronomic Traits on Chromosome 3A of Wheat. Crop Science, 2003, 43, 1493-1505.	1.8	139
14	Assessment of genetic diversity and relationship among a collection of US sweet sorghum germplasm by SSR markers. Molecular Breeding, 2008, 21, 497-509.	2.1	137
15	Introgression of Novel Traits from a Wild Wheat Relative Improves Drought Adaptation in Wheat Â. Plant Physiology, 2013, 161, 1806-1819.	4.8	124
16	Combining abilities and heritability of callus formation and plantlet regeneration in wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.6	118
17	Improving predictions of developmental stages in winter wheat: a modified Wang and Engel model. Agricultural and Forest Meteorology, 2003, 115, 139-150.	4.8	113
18	Agronomic Effect of Wheatâ€Rye Translocation Carrying Rye Chromatin (1R) From Different Sources. Crop Science, 2004, 44, 1254-1258.	1.8	112

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19	Variation for Grain Mineral Concentration in a Diversity Panel of Current and Historical Great Plains Hard Winter Wheat Germplasm. Crop Science, 2015, 55, 1035-1052.	1.8	112
20	Anther culture of wheat (Triticum aestivum L.) F1's and their reciprocal crosses. Theoretical and Applied Genetics, 1982, 62, 155-159.	3.6	110
21	Removing Spatial Variation from Wheat Yield Trials: A Comparison of Methods. Crop Science, 1994, 34, 62-66.	1.8	110
22	Molecular Mapping of Loci for Agronomic Traits on Chromosome 3A of Bread Wheat. Crop Science, 1999, 39, 1728-1732.	1.8	105
23	Genotyping-by-Sequencing Derived High-Density Linkage Map and its Application to QTL Mapping of Flag Leaf Traits in Bread Wheat. Scientific Reports, 2017, 7, 16394.	3.3	103
24	Designing crop technology for a future climate: An example using response surface methodology and the CERES-Wheat model. Agricultural Systems, 2006, 87, 63-79.	6.1	102
25	Earlier winter wheat heading dates and warmer spring in the U.S. Great Plains. Agricultural and Forest Meteorology, 2005, 135, 284-290.	4.8	97
26	Environmental modification of hard red winter wheat flour protein composition. Journal of Cereal Science, 1995, 22, 45-51.	3.7	96
27	The 1BL/1RS Translocation: Agronomic Performance of F₃â€Derived Lines from a Winter Wheat Cross. Crop Science, 1995, 35, 1051-1055.	1.8	94
28	Variation for nitrogen use efficiency traits in current and historical great plains hard winter wheat. Euphytica, 2017, 213, 1.	1.2	92
29	Haploid Plant Development from Anthers and In Vitro Embryo Culture of Wheat¹. Crop Science, 1979, 19, 697-702.	1.8	91
30	Genome-Wide Association Study Reveals Novel Genomic Regions for Grain Yield and Yield-Related Traits in Drought-Stressed Synthetic Hexaploid Wheat. International Journal of Molecular Sciences, 2018, 19, 3011.	4.1	90
31	Genetic improvement trends in agronomic performances and end-use quality characteristics among hard red winter wheat cultivars in Nebraska. Euphytica, 2005, 144, 187-198.	1.2	89
32	Genotypic and Environmental Modification of Wheat Flour Protein Composition in Relation to Endâ€Use Quality. Crop Science, 1996, 36, 296-300.	1.8	86
33	Effect of Cultivar, Environment, and Their Interaction and Stability Analyses on Milling and Baking Quality of Soft Red Winter Wheat¹. Crop Science, 1985, 25, 5-8.	1.8	85
34	Cell Membrane Stability and Association Mapping for Drought and Heat Tolerance in a Worldwide Wheat Collection. Sustainability, 2017, 9, 1606.	3.2	85
35	Cultivar and cultivar x environment effects on the development of callus and polyhaploid plants from anther cultures of wheat. Theoretical and Applied Genetics, 1984, 67, 273-277.	3.6	80
36	Wheat Height Estimation Using LiDAR in Comparison to Ultrasonic Sensor and UAS. Sensors, 2018, 18, 3731.	3.8	80

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37	Development and Utilization of SSRs to Estimate the Degree of Genetic Relationships in a Collection of Pearl Millet Germplasm. Crop Science, 2003, 43, 2284-2290.	1.8	77
38	Unlocking the novel genetic diversity and population structure of synthetic Hexaploid wheat. BMC Genomics, 2018, 19, 591.	2.8	76
39	Phenotypic Plasticity of Winter Wheat Heading Date and Grain Yield across the US Great Plains. Crop Science, 2016, 56, 2223-2236.	1.8	75
40	Seeding Rate and Genotype Effect on Agronomic Performance and Endâ€Use Quality of Winter Wheat. Crop Science, 2002, 42, 827-832.	1.8	74
41	Improving Lives: 50 Years of Crop Breeding, Genetics, and Cytology (Câ€1). Crop Science, 2006, 46, 2230-2244.	1.8	74
42	Genomic Selection in Preliminary Yield Trials in a Winter Wheat Breeding Program. G3: Genes, Genomes, Genetics, 2018, 8, 2735-2747.	1.8	74
43	Genome-Wide Association Study Reveals Novel Genomic Regions Associated with 10 Grain Minerals in Synthetic Hexaploid Wheat. International Journal of Molecular Sciences, 2018, 19, 3237.	4.1	72
44	Registration of â€˜Maceâ€™ Hard Red Winter Wheat. Journal of Plant Registrations, 2009, 3, 51-56.	0.5	71
45	Characterization of Genetic Variability Among Natural Populations of Wheat Streak Mosaic Virus. Phytopathology, 1996, 86, 1222.	2.2	70
46	Genome-Wide Association Study for Identification and Validation of Novel SNP Markers for Sr6 Stem Rust Resistance Gene in Bread Wheat. Frontiers in Plant Science, 2018, 9, 380.	3.6	68
47	A comparison between genotyping-by-sequencing and array-based scoring of SNPs for genomic prediction accuracy in winter wheat. Plant Science, 2018, 270, 123-130.	3.6	67
48	Functional properties of waxy wheat flours: genotypic and environmental effects. Journal of Cereal Science, 2003, 38, 69-76.	3.7	61
49	Evaluating canopy spectral reflectance vegetation indices to estimate nitrogen use traits in hard winter wheat. Field Crops Research, 2018, 217, 82-92.	5.1	61
50	Economic returns from fungicide application to control foliar fungal diseases in winter wheat. Crop Protection, 2011, 30, 685-692.	2.1	60
51	Root tip cell cycle synchronization and metaphase-chromosome isolation suitable for flow sorting in common wheat (Triticum aestivum L.). Genome, 1997, 40, 633-638.	2.0	58
52	Incorporating a Chronology Response into the Prediction of Leaf Appearance Rate in Winter Wheat. Annals of Botany, 2003, 92, 181-190.	2.9	58
53	Addition of Colchicine to Wheat Anther Culture Media to Increase Doubled Haploid Plant Production. Plant Breeding, 1994, 112, 192-198.	1.9	57
54	Effects of Powdery Mildew on Yield and Quality of Isogenic Lines of â€˜Chancellorâ€™ Wheat 1. Crop Science, 1979, 19, 349-352.	1.8	56

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55	Prediction of genetic values of quantitative traits with epistatic effects in plant breeding populations. Heredity, 2012, 109, 313-319.	2.6	55
56	Understanding the Effect of Rye Chromatin in Bread Wheat. Crop Science, 2003, 43, 1643-1651.	1.8	53
57	Haploidy in Cultivated Wheats: Induction and Utility in Basic and Applied Research. Crop Science, 2009, 49, 737-755.	1.8	53
58	Prospects for Selecting Wheat with Increased Zinc and Decreased Cadmium Concentration in Grain. Crop Science, 2015, 55, 1712-1728.	1.8	52
59	Using Environmental Covariates to Explain Genotype Ã— Environment and QTL Ã— Environment Interactions for Agronomic Traits on Chromosome 3A of Wheat. Crop Science, 2004, 44, 620-627.	1.8	50
60	Effect of Sugars in Wheat Anther Culture Media. Plant Breeding, 1994, 112, 53-62.	1.9	49
61	Isolated wheat microspore culture. Plant Cell, Tissue and Organ Culture, 1995, 42, 207-213.	2.3	49
62	An Automated Near-Infrared System for Selecting Individual Kernels Based on Specific Quality Characteristics. Cereal Chemistry, 2006, 83, 537-543.	2.2	49
63	FR-H3: a new QTL to assist in the development of fall-sown barley with superior low temperature tolerance. Theoretical and Applied Genetics, 2013, 126, 335-347.	3.6	49
64	GWAS revealed effect of genotype Ã— environment interactions for grain yield of Nebraska winter wheat. BMC Genomics, 2021, 22, 2.	2.8	49
65	Chromosomal Location of Wheat Quantitative Trait Loci Affecting Agronomic Performance of Seven Traits, Using Reciprocal Chromosome Substitutions. Crop Science, 1992, 32, 621-627.	1.8	46
66	Agronomic Performance and Endâ€Use Quality of 1B vs. 1BL/1RS Genotypes Derived from Winter Wheat â€˜Rawhideâ€™. Crop Science, 1995, 35, 1607-1612.	1.8	46
67	Effect of growth stage on the relationship between tan spot and spot blotch severity and yield in winter wheat. Crop Protection, 2009, 28, 696-702.	2.1	46
68	Agronomic Performance of Wheat Doubled-Haploid Lines Derived from Cultivars by Anther Culture. Plant Breeding, 1989, 103, 101-109.	1.9	45
69	Breeding for end-use quality: Reflections on the Nebraska experience. Euphytica, 2001, 119, 95-100.	1.2	45
70	Quantification of Yield Loss Caused by Triticum mosaic virus and Wheat streak mosaic virus in Winter Wheat Under Field Conditions. Plant Disease, 2014, 98, 127-133.	1.4	45
71	Molecular genetic analysis of spring wheat core collection using genetic diversity, population structure, and linkage disequilibrium. BMC Genomics, 2020, 21, 434.	2.8	44
72	The Physical Environment in Relation to High Frequency Callus and Plantlet Development in Anther Cultures of Wheat (Triticum aestivum L.) cv. Chris. Journal of Plant Physiology, 1985, 121, 103-109.	3.5	43

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73	A Generalized Vernalization Response Function for Winter Wheat. Agronomy Journal, 2003, 95, 155.	1.8	43
74	Fusarium Head Blight Resistance in U.S. Winter Wheat Cultivars and Elite Breeding Lines. Crop Science, 2013, 53, 2006-2013.	1.8	43
75	Genetic variation in drought tolerance at seedling stage and grain yield in low rainfall environments in wheat (Triticum aestivum L.). Euphytica, 2018, 214, 1.	1.2	43
76	Inheritance of Multiple Transgenes in Wheat. Crop Science, 2000, 40, 1133-1141.	1.8	42
77	Linkage mapping of powdery mildew and greenbug resistance genes on recombinant 1RS from 'Amigo' and 'Kavkaz' wheatâ€“rye translocations of chromosome 1RS.1AL. Genome, 2004, 47, 292-298.	2.0	42
78	Transgenic expression of lactoferrin imparts enhanced resistance to head blight of wheat caused by Fusarium graminearum. BMC Plant Biology, 2012, 12, 33.	3.6	42
79	Evaluation and Association Mapping of Resistance to Tan Spot and Stagonospora Nodorum Blotch in Adapted Winter Wheat Germplasm. Plant Disease, 2015, 99, 1333-1341.	1.4	42
80	Influence of soil water status and atmospheric vapor pressure deficit on leaf gas exchange in field-grown winter wheat. Environmental and Experimental Botany, 2004, 51, 167-179.	4.2	41
81	High-density mapping and comparative analysis of agronomically important traits on wheat chromosome 3A. Genomics, 2006, 88, 74-87.	2.9	41
82	Mapping QTL for Agronomic Traits on Wheat Chromosome 3A and a Comparison of Recombinant Inbred Chromosome Line Populations. Crop Science, 2011, 51, 553-566.	1.8	40
83	Genetic Dissection of Yield and Its Component Traits Using High-Density Composite Map of Wheat Chromosome 3A: Bridging Gaps between QTLs and Underlying Genes. PLoS ONE, 2013, 8, e70526.	2.5	40
84	Validation of QTL for Grain Yieldâ€Related Traits on Wheat Chromosome 3A Using Recombinant Inbred Chromosome Lines. Crop Science, 2012, 52, 1622-1632.	1.8	39
85	Seeding Rate, Genotype, and Topdressed Nitrogen Effects on Yield and Agronomic Characteristics of Winter Wheat. Crop Science, 2017, 57, 951-963.	1.8	38
86	Seeding Rate and Genotype Effect on Agronomic Performance and End-Use Quality of Winter Wheat. Crop Science, 2002, 42, 827.	1.8	38
87	Registration of â€˜NE01643â€™ Wheat. Journal of Plant Registrations, 2008, 2, 36-42.	0.5	38
88	Winter Wheat Cultivar Characteristics Affect Annual Weed Suppression. Weed Technology, 2004, 18, 988-998.	0.9	37
89	Genetic architecture of common bunt resistance in winter wheat using genome-wide association study. BMC Plant Biology, 2018, 18, 280.	3.6	37
90	Yield and Grain Quality Responses of Soft Red Winter Wheat Exposed to Ozone During Anthesis 1. Agronomy Journal, 1986, 78, 593-600.	1.8	36

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91	Evaluating the Genetic Diversity of Triticale with Wheat and Rye SSR Markers. Crop Science, 2006, 46, 1692-1700.	1.8	36
92	Genotype, environment, seeding rate, and topâ€dressed nitrogen effects on endâ€use quality of modern Nebraska winter wheat. Journal of the Science of Food and Agriculture, 2017, 97, 5311-5318.	3.5	36
93	The effects of interactions of culture environment with genotype on wheat (Triticum aestivum) anther culture response. Plant Cell Reports, 1990, 8, 525-529.	5.6	34
94	Chromosomal Location of Wheat Quantitative Trait Loci Affecting Stability of Six Traits, Using Reciprocal Chromosome Substitutions. Crop Science, 1992, 32, 628-633.	1.8	34
95	High-yielding winter synthetic hexaploid wheats resistant to multiple diseases and pests. Plant Genetic Resources: Characterisation and Utilisation, 2018, 16, 273-278.	0.8	34
96	Distribution of Cadmium, Iron, and Zinc in Millstreams of Hard Winter Wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td	3.2	33
97	Structuring an Efficient Organic Wheat Breeding Program. Sustainability, 2011, 3, 1190-1205.	3.2	32
98	Plant Height Response of Semidwarf and Nonsemidwarf Wheats to the Environment. Crop Science, 1995, 35, 447-451.	1.8	32
99	Genotypic variation of gas exchange parameters and carbon isotope discrimination in winter wheat. Journal of Plant Physiology, 2002, 159, 891-898.	3.5	31
100	Effects of Single and Double Infections of Winter Wheat by Triticum mosaic virus and Wheat streak mosaic virus on Yield Determinants. Plant Disease, 2012, 96, 859-864.	1.4	31
101	Genome-Wide Association Study for Multiple Biotic Stress Resistance in Synthetic Hexaploid Wheat. International Journal of Molecular Sciences, 2019, 20, 3667.	4.1	31
102	Analysis of Genotypeâ€byâ€Environment Interaction in Wheat Using a Structural Equation Model and Chromosome Substitution Lines. Crop Science, 2007, 47, 477-484.	1.8	30
103	Principal variable selection to explain grain yield variation in winter wheat from features extracted from UAV imagery. Plant Methods, 2019, 15, 123.	4.3	30
104	Production, morphology, and cytogenetic analysis of Elymus caninus (Agropyron caninum) x Triticum aestivum F1 hybrids and backcross-1 derivatives. Theoretical and Applied Genetics, 1986, 71, 750-756.	3.6	29
105	Impact of wheat bran physical properties and chemical composition on whole grain flour mixing and baking properties. Journal of Cereal Science, 2019, 89, 102790.	3.7	29
106	Nuclear Genome Diversity and Relationships among Naturally Occurring Buffalograss Genotypes Determined by Sequence-related Amplified Polymorphism Markers. Hortscience: A Publication of the American Society for Hortcultural Science, 2005, 40, 537-541.	1.0	28
107	Predicting phenological development in winter wheat. Climate Research, 2004, 25, 243-252.	1.1	28
108	Inheritance of the blue aleurone trait in diverse wheat crosses. Genome, 1990, 33, 525-529.	2.0	27

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109	Impact of Pre-Anthesis Water Deficit on Yield and Yield Components in Barley (Hordeum vulgare L.) Plants Grown under Controlled Conditions. Agronomy, 2016, 6, 33.	3.0	27
110	A simple wheat haploid and doubled haploid production system using anther culture. In Vitro Cellular and Developmental Biology - Plant, 2005, 41, 22-27.	2.1	26
111	Agronomic and quality effects in winter wheat of a gene conditioning resistance to wheat streak mosaic virus. Euphytica, 2006, 152, 41-49.	1.2	26
112	Characterization of Stem Rust Resistance in Wheat Cultivar Gage. Crop Science, 2015, 55, 229-239.	1.8	26
113	Genes Conditioning Resistance of Hordeum spontaneum to Erysiphe graminis f. sp. hordei 1. Crop Science, 1981, 21, 229-232.	1.8	25
114	The Effects of Genes Controlling Barley Leaf and Sheath Waxes on Agronomic Performance in Irrigated and Dryland Environments 1. Crop Science, 1983, 23, 116-120.	1.8	25
115	Putting genes into genetic coefficients. Field Crops Research, 2004, 90, 133-143.	5.1	25
116	Detailed Genetic Analysis for Identifying QTLs Associated with Drought Tolerance at Seed Germination and Seedling Stages in Barley. Plants, 2020, 9, 1425.	3.5	25
117	The Significance of Doubled Haploid Variation. Stadler Genetics Symposia Series, 1984, , 385-414.	0.0	25
118	Identification and Characterization of the Gene Conditioning Powdery Mildew Resistance in â€˜Amigoâ€™ Wheat 1. Crop Science, 1984, 24, 129-132.	1.8	24
119	Genetic diversity and genetic variation in morpho-physiological traits to improve heat tolerance in Spring barley. Molecular Biology Reports, 2018, 45, 2441-2453.	2.3	24
120	Investigation of Heat-Induced Changes in the Grain Yield and Grains Metabolites, with Molecular Insights on the Candidate Genes in Barley. Agronomy, 2020, 10, 1730.	3.0	24
121	Evidence for microspore embryogenesis in wheat anther culture. In Vitro Cellular and Developmental Biology - Plant, 1991, 27, 168-174.	2.1	23
122	Identifying Winter Forage Triticale (Ã—Triticosecale Wittmack) Strains for the Central Great Plains. Crop Science, 2008, 48, 2040-2048.	1.8	23
123	Genome-wide association study reveals favorable alleles associated with common bunt resistance in synthetic hexaploid wheat. Euphytica, 2018, 214, 1.	1.2	23
124	Estimation of heterosis and combining abilities of U.S. winter wheat germplasm for hybrid development in Texas. Crop Science, 2020, 60, 788-803.	1.8	23
125	Registration of â€˜Arapahoeâ€™ Wheat. Crop Science, 1989, 29, 832-832.	1.8	23
126	A better way to construct recombinant chromosome lines and their controls. Genome, 1992, 35, 827-830.	2.0	22

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127	DNA content of wheat monosomics at interphase estimated by flow cytometry. Theoretical and Applied Genetics, 1997, 95, 1300-1304.	3.6	22
128	Registration of â€˜Goodstreakâ€™ Wheat. Crop Science, 2004, 44, 1473-1474.	1.8	22
129	Genotype Imputation in Winter Wheat Using First-Generation Haplotype Map SNPs Improves Genome-Wide Association Mapping and Genomic Prediction of Traits. G3: Genes, Genomes, Genetics, 2019, 9, 125-133.	1.8	22
130	The Scientific Grand Challenges of the 21st Century for the Crop Science Society of America. Crop Science, 2012, 52, 1003-1010.	1.8	21
131	Populations of doubled haploids for genetic mapping in hexaploid winter triticale. Molecular Breeding, 2018, 38, 46.	2.1	21
132	Evaluation of a global spring wheat panel for stripe rust: Resistance loci validation and novel resources identification. PLoS ONE, 2019, 14, e0222755.	2.5	21
133	Registration of â€˜NE06545â€™ (Husker Genetics Brand Freeman) Hard Red Winter Wheat. Journal of Plant Registrations, 2014, 8, 279-284.	0.5	20
134	Effects of fungicide chemical class, fungicide application timing, and environment on Fusarium head blight in winter wheat. European Journal of Plant Pathology, 2020, 158, 667-679.	1.7	20
135	Combined GWAS and QTL mapping revealed candidate genes and SNP network controlling recovery and tolerance traits associated with drought tolerance in seedling winter wheat. Genomics, 2022, 114, 110358.	2.9	20
136	Cytogenetic characteristics of wheat plants regenerated from anther calli of 'Centurk'. Genome, 1983, 25, 513-517.	0.7	19
137	Genetic Analyses of Agronomic Traits Controlled by Wheat Chromosome 3A. Crop Science, 1999, 39, 1016-1021.	1.8	19
138	Perspectives on Low Temperature Tolerance and Vernalization Sensitivity in Barley: Prospects for Facultative Growth Habit. Frontiers in Plant Science, 2020, 11, 585927.	3.6	19
139	Registration of â€˜NH03614 CLâ€™ Wheat. Journal of Plant Registrations, 2011, 5, 75-80.	0.5	19
140	Registration of â€˜Matternâ€™ Waxy (Amylose-free) Winter Wheat. Journal of Plant Registrations, 2014, 8, 43-48.	0.5	19
141	Using DArT Markers to Monitor Genetic Diversity throughout Selection: A Case Study in Nebraska's Winter Wheat Breeding Nurseries. Crop Science, 2013, 53, 2363-2373.	1.8	18
142	Native Fusarium head blight resistance from winter wheat cultivars â€˜Lyman,â€™ â€˜Overland,â€™ â€˜Ernie,â€™ and â€˜Freedomâ€™ mapped and pyramided onto â€˜Wesleyâ€™-Fhb1 backgrounds. Molecular Breeding, 2015, 35, 1.	2.1	18
143	Marker-Trait Associations for Enhancing Agronomic Performance, Disease Resistance, and Grain Quality in Synthetic and Bread Wheat Accessions in Western Siberia. G3: Genes, Genomes, Genetics, 2019, 9, 4209-4222.	1.8	18
144	Baking quality of hard winter wheat: Response of cultivars to environment in the Great Plains. Developments in Plant Breeding, 1997, , 223-228.	0.2	18

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145	Grain Yield Performance and Stability of Cultivar Blends vs. Component Cultivars of Hard Winter Wheat in Nebraska. Crop Science, 2010, 50, 617-623.	1.8	17
146	Genetic diversity and population structure analysis of synthetic and bread wheat accessions in Western Siberia. Journal of Applied Genetics, 2019, 60, 283-289.	1.9	17
147	Agrobacterium tumefaciens-Mediated Wheat Transformation. Cereal Research Communications, 2003, 31, 9-16.	1.6	17
148	Registration of â€˜Infinity CLâ€™ Wheat. Crop Science, 2006, 46, 975-977.	1.8	16
149	Identification of markers linked to genes for sprouting tolerance (independent of grain color) in hard white winter wheat (HWWW). Theoretical and Applied Genetics, 2016, 129, 419-430.	3.6	16
150	Variation in asparagine concentration in Nebraska wheat. Cereal Chemistry, 2018, 95, 264-273.	2.2	16
151	Yield and Quality in Purple-Grained Wheat Isogenic Lines. Agronomy, 2020, 10, 86.	3.0	16
152	The Effect of Gelling Agents on Wheat Anther and Immature Embryo Culture. Plant Breeding, 1992, 109, 211-217.	1.9	15
153	Characterization of ploidy levels of wheat microspore-derived plants using laser flow cytometry. In Vitro Cellular and Developmental Biology - Plant, 2003, 39, 663-668.	2.1	15
154	The effect of introgressions of wheat D-genome chromosomes into â€˜Prestoâ€™ triticale. Euphytica, 2004, 137, 261-270.	1.2	15
155	The use of microsatellite markers for the detection of genetic similarity among winter bread wheat lines for chromosomeï¿½3A. Theoretical and Applied Genetics, 2004, 109, 1494-1503.	3.6	15
156	Regression-Based Multi-Trait QTL Mapping Using a Structural Equation Model. Statistical Applications in Genetics and Molecular Biology, 2010, 9, Article38.	0.6	15
157	Chemotype and aggressiveness of isolates ofFusarium graminearumcausing head blight of wheat in Nebraska. Canadian Journal of Plant Pathology, 2014, 36, 447-455.	1.4	15
158	Markerâ€“trait association for grain weight of spring barley in well-watered and drought environments. Molecular Biology Reports, 2019, 46, 2907-2918.	2.3	15
159	Agronomic Performance of Hybrids between Cultivars and Chromosome Substitution Lines. Crop Science, 1997, 37, 396-399.	1.8	14
160	Registration of â€˜Pronghornâ€™ Wheat. Crop Science, 1997, 37, 1006-1006.	1.8	14
161	Comparisons of RFLP and PCR-based markers to detect polymorphism between wheat cultivars. Euphytica, 2000, 114, 135-142.	1.2	14
162	Virulence of Puccinia triticina on Wheat in Nebraska during 1997 and 1998. Plant Disease, 2001, 85, 159-164.	1.4	14

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163	Genotypic and Environmental Modification of Asian Noodle Quality of Hard Winter Wheats. Cereal Chemistry, 2004, 81, 19-25.	2.2	14
164	Automated Singleâ€Kernel Sorting to Select for Quality Traits in Wheat Breeding Lines. Cereal Chemistry, 2009, 86, 527-533.	2.2	14
165	Differential accumulation of deoxynivalenol in two winter wheat cultivars varying in FHB phenotype response under field conditions. Canadian Journal of Plant Pathology, 2012, 34, 380-389.	1.4	14
166	Effect of Fusarium Head Blight Resistance Gene Fhb1 on Agronomic and Endâ€Use Quality Traits of Hard Red Winter Wheat. Crop Science, 2013, 53, 793-801.	1.8	14
167	Molecular marker dissection of stem rust resistance in Nebraska bread wheat germplasm. Scientific Reports, 2019, 9, 11694.	3.3	14
168	Automatic Wheat Lodging Detection and Mapping in Aerial Imagery to Support High-Throughput Phenotyping and In-Season Crop Management. Agronomy, 2020, 10, 1762.	3.0	14
169	Registration of â€˜NI04421â€™ Hard Red Winter Wheat. Journal of Plant Registrations, 2012, 6, 54-59.	0.5	14
170	Effect of genotype and medium on wheat (Triticum aestivum L.) anther culture. Plant Cell, Tissue and Organ Culture, 1990, 21, 253-258.	2.3	13
171	Inheritance of grain polyphenol oxidase (PPO) activity in multiple wheat (Triticum aestivum L.) genetic backgrounds. Theoretical and Applied Genetics, 2012, 125, 1705-1715.	3.6	13
172	Combining Ability for Tolerance to Preâ€Harvest Sprouting in Common Wheat (Triticum aestivum) Tj ETQq0 0 0 rgBT /Overlock 1	1.8	13
173	Foliar Fungicide Effects on Disease Severity, Yield, and Agronomic Characteristics of Modern Winter Wheat Genotypes. Agronomy Journal, 2018, 110, 602-610.	1.8	13
174	Effect of Reducing Plant Population on Yield and Kernel Characteristics of Sugaryâ€2 and Normal Maize 1. Crop Science, 1980, 20, 444-447.	1.8	13
175	Stability of ploidy in meristems of plants regenerated from anther calli of wheat (Triticum aestivum L.) Tj ETQq1 1 0.784314 rgBT /Ove	2.0	12
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