

P Stephen Baenziger

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306
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ext. citations

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L-index

#	Paper	IF	Citations
293	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, 8057-62	11.5	719
292	Exploiting genetic diversity from landraces in wheat breeding for adaptation to climate change. <i>Journal of Experimental Botany</i> , 2015 , 66, 3477-86	7	235
291	Genotype and Environment Effects on Quality Characteristics of Hard Red Winter Wheat. <i>Crop Science</i> , 1992 , 32, 98-103	2.4	195
290	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	4.5	170
289	Demarcating the gene-rich regions of the wheat genome. <i>Nucleic Acids Research</i> , 2004 , 32, 3546-65	20.1	159
288	Drought Stress Tolerance in Wheat and Barley: Advances in Physiology, Breeding and Genetics Research. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	157
287	Management of Fusarium head blight of wheat and barley. <i>Crop Protection</i> , 2015 , 73, 100-107	2.7	140
286	A multi-sensor system for high throughput field phenotyping in soybean and wheat breeding. <i>Computers and Electronics in Agriculture</i> , 2016 , 128, 181-192	6.5	139
285	Transferability of SSR markers among wheat, rye, and triticale. <i>Theoretical and Applied Genetics</i> , 2004 , 108, 1147-50	6	138
284	Identification of QTLs and Environmental Interactions Associated with Agronomic Traits on Chromosome 3A of Wheat. <i>Crop Science</i> , 2003 , 43, 1493-1505	2.4	133
283	Comparison of phenotypic and molecular marker-based classifications of hard red winter wheat cultivars. <i>Euphytica</i> , 2005 , 145, 133-146	2.1	112
282	Assessment of genetic diversity and relationship among a collection of US sweet sorghum germplasm by SSR markers. <i>Molecular Breeding</i> , 2008 , 21, 497-509	3.4	109
281	GWAS: Fast-forwarding gene identification and characterization in temperate Cereals: lessons from Barley - A review. <i>Journal of Advanced Research</i> , 2020 , 22, 119-135	13	107
280	Anther culture of wheat (<i>Triticum aestivum</i> L.) F1's and their reciprocal crosses. <i>Theoretical and Applied Genetics</i> , 1982 , 62, 155-9	6	102
279	Improving predictions of developmental stages in winter wheat: a modified Wang and Engel model. <i>Agricultural and Forest Meteorology</i> , 2003 , 115, 139-150	5.8	97
278	Molecular Mapping of Loci for Agronomic Traits on Chromosome 3A of Bread Wheat. <i>Crop Science</i> , 1999 , 39, 1728-1732	2.4	96
277	Combining abilities and heritability of callus formation and plantlet regeneration in wheat (<i>Triticum aestivum</i> L.) anther cultures. <i>Theoretical and Applied Genetics</i> , 1984 , 68, 131-4	6	95

276	Removing Spatial Variation from Wheat Yield Trials: A Comparison of Methods. <i>Crop Science</i> , 1994 , 34, 62-66	2.4	94
275	Genetic Diversity and Population Structure of F Nebraska Winter Wheat Genotypes Using Genotyping-By-Sequencing. <i>Frontiers in Genetics</i> , 2018 , 9, 76	4.5	91
274	Introgression of novel traits from a wild wheat relative improves drought adaptation in wheat. <i>Plant Physiology</i> , 2013 , 161, 1806-19	6.6	91
273	Agronomic Effect of Wheat-Rye Translocation Carrying Rye Chromatin (1R) From Different Sources. <i>Crop Science</i> , 2004 , 44, 1254-1258	2.4	89
272	Haploid Plant Development from Anthers and In Vitro Embryo Culture of Wheat1. <i>Crop Science</i> , 1979 , 19, 697-702	2.4	86
271	Environmental modification of hard red winter wheat flour protein composition. <i>Journal of Cereal Science</i> , 1995 , 22, 45-51	3.8	85
270	The 1BL/1RS Translocation: Agronomic Performance of F3-Derived Lines from a Winter Wheat Cross. <i>Crop Science</i> , 1995 , 35, 1051-1055	2.4	84
269	Earlier winter wheat heading dates and warmer spring in the U.S. Great Plains. <i>Agricultural and Forest Meteorology</i> , 2005 , 135, 284-290	5.8	82
268	Genetic improvement trends in agronomic performances and end-use quality characteristics among hard red winter wheat cultivars in Nebraska. <i>Euphytica</i> , 2005 , 144, 187-198	2.1	80
267	Genotypic and Environmental Modification of Wheat Flour Protein Composition in Relation to End-Use Quality. <i>Crop Science</i> , 1996 , 36, 296-300	2.4	76
266	Effect of Cultivar, Environment, and Their Interaction and Stability Analyses on Milling and Baking Quality of Soft Red Winter Wheat1. <i>Crop Science</i> , 1985 , 25, 5-8	2.4	76
265	Cultivar and cultivar x environment effects on the development of callus and polyhaploid plants from anther cultures of wheat. <i>Theoretical and Applied Genetics</i> , 1984 , 67, 273-7	6	74
264	Development and Utilization of SSRs to Estimate the Degree of Genetic Relationships in a Collection of Pearl Millet Germplasm. <i>Crop Science</i> , 2003 , 43, 2284-2290	2.4	73
263	Genotyping-by-Sequencing Derived High-Density Linkage Map and its Application to QTL Mapping of Flag Leaf Traits in Bread Wheat. <i>Scientific Reports</i> , 2017 , 7, 16394	4.9	65
262	Designing crop technology for a future climate: An example using response surface methodology and the CERES-Wheat model. <i>Agricultural Systems</i> , 2006 , 87, 63-79	6.1	65
261	Seeding Rate and Genotype Effect on Agronomic Performance and End-Use Quality of Winter Wheat. <i>Crop Science</i> , 2002 , 42, 827-832	2.4	61
260	Improving Lives: 50 Years of Crop Breeding, Genetics, and Cytology (C-1). <i>Crop Science</i> , 2006 , 46, 2230-2244	2.4	60
259	Registration of Mace Hard Red Winter Wheat. <i>Journal of Plant Registrations</i> , 2009 , 3, 51-56	0.7	59

258	Characterization of Genetic Variability Among Natural Populations of Wheat Streak Mosaic Virus. <i>Phytopathology</i> , 1996 , 86, 1222	3.8	59
257	Variation for Grain Mineral Concentration in a Diversity Panel of Current and Historical Great Plains Hard Winter Wheat Germplasm. <i>Crop Science</i> , 2015 , 55, 1035-1052	2.4	57
256	Genome-Wide Association Study Reveals Novel Genomic Regions for Grain Yield and Yield-Related Traits in Drought-Stressed Synthetic Hexaploid Wheat. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	55
255	Functional properties of waxy wheat flours: genotypic and environmental effects. <i>Journal of Cereal Science</i> , 2003 , 38, 69-76	3.8	54
254	Addition of Colchicine to Wheat Anther Culture Media to Increase Doubled Haploid Plant Production. <i>Plant Breeding</i> , 1994 , 112, 192-198	2.4	52
253	Root tip cell cycle synchronization and metaphase-chromosome isolation suitable for flow sorting in common wheat (<i>Triticum aestivum</i> L.). <i>Genome</i> , 1997 , 40, 633-8	2.4	50
252	Cell Membrane Stability and Association Mapping for Drought and Heat Tolerance in a Worldwide Wheat Collection. <i>Sustainability</i> , 2017 , 9, 1606	3.6	49
251	Economic returns from fungicide application to control foliar fungal diseases in winter wheat. <i>Crop Protection</i> , 2011 , 30, 685-692	2.7	49
250	Effect of Sugars in Wheat Anther Culture Media. <i>Plant Breeding</i> , 1994 , 112, 53-62	2.4	47
249	Incorporating a chronology response into the prediction of leaf appearance rate in winter wheat. <i>Annals of Botany</i> , 2003 , 92, 181-90	4.1	46
248	Agronomic Performance and End-Use Quality of 1B vs. 1BL/1RS Genotypes Derived from Winter Wheat Bawhide. <i>Crop Science</i> , 1995 , 35, 1607-1612	2.4	46
247	Wheat Height Estimation Using LiDAR in Comparison to Ultrasonic Sensor and UAS. <i>Sensors</i> , 2018 , 18,	3.8	46
246	Variation for nitrogen use efficiency traits in current and historical great plains hard winter wheat. <i>Euphytica</i> , 2017 , 213, 1	2.1	45
245	A comparison between genotyping-by-sequencing and array-based scoring of SNPs for genomic prediction accuracy in winter wheat. <i>Plant Science</i> , 2018 , 270, 123-130	5.3	45
244	Effects of Powdery Mildew on Yield and Quality of Isogenic Lines of 'Chancellor' Wheat1. <i>Crop Science</i> , 1979 , 19, 349-352	2.4	44
243	Understanding the Effect of Rye Chromatin in Bread Wheat. <i>Crop Science</i> , 2003 , 43, 1643-1651	2.4	43
242	Using Environmental Covariates to Explain Genotype × Environment and QTL × Environment Interactions for Agronomic Traits on Chromosome 3A of Wheat. <i>Crop Science</i> , 2004 , 44, 620-627	2.4	43
241	Isolated wheat microspore culture. <i>Plant Cell, Tissue and Organ Culture</i> , 1995 , 42, 207-213	2.7	43

240	Genome-Wide Association Study Reveals Novel Genomic Regions Associated with 10 Grain Minerals in Synthetic Hexaploid Wheat. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	43
239	Genomic Selection in Preliminary Yield Trials in a Winter Wheat Breeding Program. <i>G3: Genes, Genomes, Genetics</i> , 2018 , 8, 2735-2747	3.2	43
238	Chromosomal Location of Wheat Quantitative Trait Loci Affecting Agronomic Performance of Seven Traits, Using Reciprocal Chromosome Substitutions. <i>Crop Science</i> , 1992 , 32, 621-627	2.4	42
237	Different Techniques to Identify Management Zones Impact Nitrogen and Phosphorus Sampling Variability. <i>Agronomy Journal</i> , 2003 , 95, 155	2.2	41
236	Prediction of genetic values of quantitative traits with epistatic effects in plant breeding populations. <i>Heredity</i> , 2012 , 109, 313-9	3.6	40
235	The Physical Environment in Relation to High Frequency Callus and Plantlet Development in Anther Cultures of Wheat (<i>Triticum aestivum</i> L.) cv. Chris. <i>Journal of Plant Physiology</i> , 1985 , 121, 103-109	3.6	39
234	Unlocking the novel genetic diversity and population structure of synthetic Hexaploid wheat. <i>BMC Genomics</i> , 2018 , 19, 591	4.5	37
233	Transgenic expression of lactoferrin imparts enhanced resistance to head blight of wheat caused by <i>Fusarium graminearum</i> . <i>BMC Plant Biology</i> , 2012 , 12, 33	5.3	37
232	High-density mapping and comparative analysis of agronomically important traits on wheat chromosome 3A. <i>Genomics</i> , 2006 , 88, 74-87	4.3	37
231	An Automated Near-Infrared System for Selecting Individual Kernels Based on Specific Quality Characteristics. <i>Cereal Chemistry</i> , 2006 , 83, 537-543	2.4	37
230	Inheritance of Multiple Transgenes in Wheat. <i>Crop Science</i> , 2000 , 40, 1133-1141	2.4	37
229	Genetic dissection of yield and its component traits using high-density composite map of wheat chromosome 3A: bridging gaps between QTLs and underlying genes. <i>PLoS ONE</i> , 2013 , 8, e70526	3.7	37
228	Evaluating canopy spectral reflectance vegetation indices to estimate nitrogen use traits in hard winter wheat. <i>Field Crops Research</i> , 2018 , 217, 82-92	5.5	36
227	Haploidy in Cultivated Wheats: Induction and Utility in Basic and Applied Research. <i>Crop Science</i> , 2009 , 49, 737-755	2.4	36
226	Yield and Grain Quality Responses of Soft Red Winter Wheat Exposed to Ozone During Anthesis ¹ . <i>Agronomy Journal</i> , 1986 , 78, 593-600	2.2	36
225	Seeding Rate and Genotype Effect on Agronomic Performance and End-Use Quality of Winter Wheat. <i>Crop Science</i> , 2002 , 42, 827	2.4	36
224	FR-H3: a new QTL to assist in the development of fall-sown barley with superior low temperature tolerance. <i>Theoretical and Applied Genetics</i> , 2013 , 126, 335-47	6	35
223	Influence of soil water status and atmospheric vapor pressure deficit on leaf gas exchange in field-grown winter wheat. <i>Environmental and Experimental Botany</i> , 2004 , 51, 167-179	5.9	35

222	Prospects for Selecting Wheat with Increased Zinc and Decreased Cadmium Concentration in Grain. <i>Crop Science</i> , 2015 , 55, 1712-1728	2.4	34
221	Fusarium Head Blight Resistance in U.S. Winter Wheat Cultivars and Elite Breeding Lines. <i>Crop Science</i> , 2013 , 53, 2006-2013	2.4	34
220	Evaluating the Genetic Diversity of Triticale with Wheat and Rye SSR Markers. <i>Crop Science</i> , 2006 , 46, 1692-1700	2.4	34
219	Breeding for end-use quality: Reflections on the Nebraska experience. <i>Euphytica</i> , 2001 , 119, 95-100	2.1	34
218	Mapping QTL for Agronomic Traits on Wheat Chromosome 3A and a Comparison of Recombinant Inbred Chromosome Line Populations. <i>Crop Science</i> , 2011 , 51, 553-566	2.4	33
217	Chromosomal Location of Wheat Quantitative Trait Loci Affecting Stability of Six Traits, Using Reciprocal Chromosome Substitutions. <i>Crop Science</i> , 1992 , 32, 628-633	2.4	33
216	Effect of growth stage on the relationship between tan spot and spot blotch severity and yield in winter wheat. <i>Crop Protection</i> , 2009 , 28, 696-702	2.7	32
215	Phenotypic Plasticity of Winter Wheat Heading Date and Grain Yield across the US Great Plains. <i>Crop Science</i> , 2016 , 56, 2223-2236	2.4	32
214	Quantification of Yield Loss Caused by Triticum mosaic virus and Wheat streak mosaic virus in Winter Wheat Under Field Conditions. <i>Plant Disease</i> , 2014 , 98, 127-133	1.5	30
213	Linkage mapping of powdery mildew and greenbug resistance genes on recombinant 1RS from 'Amigo' and 'Kavkaz' wheat-rye translocations of chromosome 1RS.1AL. <i>Genome</i> , 2004 , 47, 292-8	2.4	30
212	The effects of interactions of culture environment with genotype on wheat (<i>Triticum aestivum</i>) anther culture response. <i>Plant Cell Reports</i> , 1990 , 8, 525-9	5.1	30
211	Registration of NIE01643 Wheat. <i>Journal of Plant Registrations</i> , 2008 , 2, 36-42	0.7	30
210	Genome-Wide Association Study for Identification and Validation of Novel SNP Markers for Stem Rust Resistance Gene in Bread Wheat. <i>Frontiers in Plant Science</i> , 2018 , 9, 380	6.2	29
209	Evaluation and Association Mapping of Resistance to Tan Spot and Stagonospora Nodorum Blotch in Adapted Winter Wheat Germplasm. <i>Plant Disease</i> , 2015 , 99, 1333-1341	1.5	29
208	Winter Wheat Cultivar Characteristics Affect Annual Weed Suppression. <i>Weed Technology</i> , 2004 , 18, 988-998	1.2	29
207	Agronomic Performance of Wheat Doubled-Haploid Lines Derived from Cultivars by Anther Culture. <i>Plant Breeding</i> , 1989 , 103, 101-109	2.4	28
206	Genotypic variation of gas exchange parameters and carbon isotope discrimination in winter wheat. <i>Journal of Plant Physiology</i> , 2002 , 159, 891-898	3.6	27
205	Inheritance of the blue aleurone trait in diverse wheat crosses. <i>Genome</i> , 1990 , 33, 525-529	2.4	26

204	Distribution of Cadmium, Iron, and Zinc in Millstreams of Hard Winter Wheat (<i>Triticum aestivum</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 10681-8	5.7	25
203	Structuring an Efficient Organic Wheat Breeding Program. <i>Sustainability</i> , 2011 , 3, 1190-1205	3.6	25
202	Effects of Single and Double Infections of Winter Wheat by Triticum mosaic virus and Wheat streak mosaic virus on Yield Determinants. <i>Plant Disease</i> , 2012 , 96, 859-864	1.5	25
201	Validation of QTL for Grain Yield-Related Traits on Wheat Chromosome 3A Using Recombinant Inbred Chromosome Lines. <i>Crop Science</i> , 2012 , 52, 1622-1632	2.4	25
200	Analysis of Genotype-by-Environment Interaction in Wheat Using a Structural Equation Model and Chromosome Substitution Lines. <i>Crop Science</i> , 2007 , 47, 477-484	2.4	25
199	Genotype, environment, seeding rate, and top-dressed nitrogen effects on end-use quality of modern Nebraska winter wheat. <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 5311-5318	4.3	24
198	Seeding Rate, Genotype, and Topdressed Nitrogen Effects on Yield and Agronomic Characteristics of Winter Wheat. <i>Crop Science</i> , 2017 , 57, 951-963	2.4	24
197	Agronomic and quality effects in winter wheat of a gene conditioning resistance to wheat streak mosaic virus. <i>Euphytica</i> , 2006 , 152, 41-49	2.1	24
196	Putting genes into genetic coefficients. <i>Field Crops Research</i> , 2004 , 90, 133-143	5.5	24
195	Production, morphology, and cytogenetic analysis of <i>Elymus caninus</i> (<i>Agropyron caninum</i>) x <i>Triticum aestivum</i> F1 hybrids and backcross-1 derivatives. <i>Theoretical and Applied Genetics</i> , 1986 , 71, 750-6	6	24
194	Genes Conditioning Resistance of <i>Hordeum spontaneum</i> to <i>Erysiphe graminis</i> f. sp. <i>hordei</i> 1. <i>Crop Science</i> , 1981 , 21, 229-232	2.4	24
193	The Effects of Genes Controlling Barley Leaf and Sheath Waxes on Agronomic Performance in Irrigated and Dryland Environments1. <i>Crop Science</i> , 1983 , 23, 116-120	2.4	23
192	A better way to construct recombinant chromosome lines and their controls. <i>Genome</i> , 1992 , 35, 827-830	2.4	22
191	The Significance of Doubled Haploid Variation. <i>Stadler Genetics Symposia Series</i> , 1984 , 385-414		22
190	Impact of Pre-Anthesis Water Deficit on Yield and Yield Components in Barley (<i>Hordeum vulgare</i> L.) Plants Grown under Controlled Conditions. <i>Agronomy</i> , 2016 , 6, 33	3.6	21
189	Genetic architecture of common bunt resistance in winter wheat using genome-wide association study. <i>BMC Plant Biology</i> , 2018 , 18, 280	5.3	21
188	Registration of 'Goodstreak' Wheat. <i>Crop Science</i> , 2004 , 44, 1473-1474	2.4	20
187	Identification and Characterization of the Gene Conditioning Powdery Mildew Resistance in 'Amigo' Wheat1. <i>Crop Science</i> , 1984 , 24, 129-132	2.4	20

186	Nuclear Genome Diversity and Relationships among Naturally Occurring Buffalograss Genotypes Determined by Sequence-related Amplified Polymorphism Markers. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2005 , 40, 537-541	2.4	20
185	Registration of 'Arapahoe' Wheat. <i>Crop Science</i> , 1989 , 29, 832-832	2.4	20
184	Plant Height Response of Semidwarf and Nonsemidwarf Wheats to the Environment. <i>Crop Science</i> , 1995 , 35, 447	2.4	20
183	Predicting phenological development in winter wheat. <i>Climate Research</i> , 2004 , 25, 243-252	1.6	20
182	DNA content of wheat monosomics at interphase estimated by flow cytometry. <i>Theoretical and Applied Genetics</i> , 1997 , 95, 1300-1304	6	19
181	A simple wheat haploid and doubled haploid production system using anther culture. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2005 , 41, 22-27	2.3	19
180	Genetic Analyses of Agronomic Traits Controlled by Wheat Chromosome 3A. <i>Crop Science</i> , 1999 , 39, 1016-1021	1.9	19
179	Genetic variation in drought tolerance at seedling stage and grain yield in low rainfall environments in wheat (<i>Triticum aestivum</i> L.). <i>Euphytica</i> , 2018 , 214, 1	2.1	19
178	The Scientific Grand Challenges of the 21st Century for the Crop Science Society of America. <i>Crop Science</i> , 2012 , 52, 1003-1010	2.4	18
177	Evidence for microspore embryogenesis in wheat anther culture. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 1991 , 27, 168-174	2.3	18
176	Registration of 'H03614 CL' Wheat. <i>Journal of Plant Registrations</i> , 2011 , 5, 75-80	0.7	17
175	High-yielding winter synthetic hexaploid wheats resistant to multiple diseases and pests. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2018 , 16, 273-278	1	16
174	Registration of 'Infinity CL' Wheat. <i>Crop Science</i> , 2006 , 46, 975-977	2.4	16
173	Populations of doubled haploids for genetic mapping in hexaploid winter triticale. <i>Molecular Breeding</i> , 2018 , 38, 46	3.4	15
172	Identifying Winter Forage Triticale (<i>Triticosecale</i> Wittmack) Strains for the Central Great Plains. <i>Crop Science</i> , 2008 , 48, 2040-2048	2.4	15
171	The Effect of Gelling Agents on Wheat Anther and Immature Embryo Culture. <i>Plant Breeding</i> , 1992 , 109, 211-217	2.4	15
170	Cytogenetic characteristics of wheat plants regenerated from anther calli of 'Centurk'. <i>Genome</i> , 1983 , 25, 513-517		15
169	Genome-wide association study reveals favorable alleles associated with common bunt resistance in synthetic hexaploid wheat. <i>Euphytica</i> , 2018 , 214, 1	2.1	15

168	Native Fusarium head blight resistance from winter wheat cultivars Lyman, Overland, Ernie, and Breedom mapped and pyramided onto Wesley Fhb1 backgrounds. <i>Molecular Breeding</i> , 2015 , 35, 1	3.4	14
167	Registration of Mattern Waxy (Amylose-free) Winter Wheat. <i>Journal of Plant Registrations</i> , 2014 , 8, 43-48	0.7	14
166	Agrobacterium tumefaciens-Mediated Wheat Transformation. <i>Cereal Research Communications</i> , 2003 , 31, 9-16	1.1	14
165	Impact of wheat bran physical properties and chemical composition on whole grain flour mixing and baking properties. <i>Journal of Cereal Science</i> , 2019 , 89, 102790	3.8	13
164	Molecular genetic analysis of spring wheat core collection using genetic diversity, population structure, and linkage disequilibrium. <i>BMC Genomics</i> , 2020 , 21, 434	4.5	13
163	Evaluation of a global spring wheat panel for stripe rust: Resistance loci validation and novel resources identification. <i>PLoS ONE</i> , 2019 , 14, e0222755	3.7	13
162	Registration of NE06545 (Husker Genetics Brand Freeman) Hard Red Winter Wheat. <i>Journal of Plant Registrations</i> , 2014 , 8, 279-284	0.7	13
161	Agronomic Performance of Hybrids between Cultivars and Chromosome Substitution Lines. <i>Crop Science</i> , 1997 , 37, 396-399	2.4	13
160	Registration of Bronghorn Wheat. <i>Crop Science</i> , 1997 , 37, 1006-1006	2.4	13
159	The effect of introgressions of wheat D-genome chromosomes into 'Presto' triticale. <i>Euphytica</i> , 2004 , 137, 261-270	2.1	13
158	The use of microsatellite markers for the detection of genetic similarity among winter bread wheat lines for chromosome 3A. <i>Theoretical and Applied Genetics</i> , 2004 , 109, 1494-503	6	13
157	Characterization of ploidy levels of wheat microspore-derived plants using laser flow cytometry. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2003 , 39, 663-668	2.3	13
156	Genotypic and Environmental Modification of Asian Noodle Quality of Hard Winter Wheats. <i>Cereal Chemistry</i> , 2004 , 81, 19-25	2.4	13
155	Investigation of Heat-Induced Changes in the Grain Yield and Grains Metabolites, with Molecular Insights on the Candidate Genes in Barley. <i>Agronomy</i> , 2020 , 10, 1730	3.6	13
154	Genetic diversity and genetic variation in morpho-physiological traits to improve heat tolerance in Spring barley. <i>Molecular Biology Reports</i> , 2018 , 45, 2441-2453	2.8	13
153	GWAS revealed effect of genotype × environment interactions for grain yield of Nebraska winter wheat. <i>BMC Genomics</i> , 2021 , 22, 2	4.5	13
152	Identification of markers linked to genes for sprouting tolerance (independent of grain color) in hard white winter wheat (HWWW). <i>Theoretical and Applied Genetics</i> , 2016 , 129, 419-30	6	12
151	Genome-Wide Association Study for Multiple Biotic Stress Resistance in Synthetic Hexaploid Wheat. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	12

150	Principal variable selection to explain grain yield variation in winter wheat from features extracted from UAV imagery. <i>Plant Methods</i> , 2019 , 15, 123	5.8	12
149	Inheritance of grain polyphenol oxidase (PPO) activity in multiple wheat (<i>Triticum aestivum</i> L.) genetic backgrounds. <i>Theoretical and Applied Genetics</i> , 2012 , 125, 1705-15	6	12
148	Grain Yield Performance and Stability of Cultivar Blends vs. Component Cultivars of Hard Winter Wheat in Nebraska. <i>Crop Science</i> , 2010 , 50, 617-623	2.4	12
147	Effect of genotype and medium on wheat (<i>Triticum aestivum</i> L.) anther culture. <i>Plant Cell, Tissue and Organ Culture</i> , 1990 , 21, 253-258	2.7	12
146	Detailed Genetic Analysis for Identifying QTLs Associated with Drought Tolerance at Seed Germination and Seedling Stages in Barley. <i>Plants</i> , 2020 , 9,	4.5	11
145	Effect of Fusarium Head Blight Resistance Gene Fhb1 on Agronomic and End-Use Quality Traits of Hard Red Winter Wheat. <i>Crop Science</i> , 2013 , 53, 793-801	2.4	11
144	Using DArT Markers to Monitor Genetic Diversity throughout Selection: A Case Study in Nebraska's Winter Wheat Breeding Nurseries. <i>Crop Science</i> , 2013 , 53, 2363-2373	2.4	11
143	Regression-based multi-trait QTL mapping using a structural equation model. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2010 , 9, Article38	1.2	11
142	Differential accumulation of deoxynivalenol in two winter wheat cultivars varying in FHB phenotype response under field conditions. <i>Canadian Journal of Plant Pathology</i> , 2012 , 34, 380-389	1.6	11
141	Automated Single-Kernel Sorting to Select for Quality Traits in Wheat Breeding Lines. <i>Cereal Chemistry</i> , 2009 , 86, 527-533	2.4	11
140	Registration of Millennium Wheat. <i>Crop Science</i> , 2001 , 41, 1367-1369	2.4	11
139	Registration of Alliance Wheat. <i>Crop Science</i> , 1995 , 35, 938-938	2.4	11
138	Combining Ability for Tolerance to Pre-Harvest Sprouting in Common Wheat (<i>Triticum aestivum</i> L.). <i>Crop Science</i> , 2016 , 56, 1025-1035	2.4	11
137	Chemotype and aggressiveness of isolates of <i>Fusarium graminearum</i> causing head blight of wheat in Nebraska. <i>Canadian Journal of Plant Pathology</i> , 2014 , 36, 447-455	1.6	10
136	Genetic and Environmental Effects on Dough Mixing Characteristics and Agronomic Performance of Diverse Hard Red Winter Wheat Genotypes. <i>Cereal Chemistry</i> , 2003 , 80, 518-523	2.4	10
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