P Stephen Baenziger

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

293 papers	8,113 citations	46 h-index	78 g-index
306 ext. papers	9,952 ext. citations	3.1 avg, IF	5.97 L-index

#	Paper	IF	Citations
293	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**, 110358	4.3	1
292	Genomic selection of forage agronomic traits in winter wheat. *Crop Science*, **2021**, 61, 410-421	2.4	4
291	Effects of cultivars and nitrogen management on wheat grain yield and protein. *Agronomy Journal*, **2021**, 113, 4348	2.2	2
290	Incorporating Molecular Markers and Causal Structure among Traits Using a Smith-Hazel Index and Structural Equation Models. *Agronomy*, **2021**, 11, 1953	3.6	0
289	Identification and Validation of High LD Hotspot Genomic Regions Harboring Stem Rust Resistant Genes on 1B, 2A (), and 7B Chromosomes in Wheat. *Frontiers in Genetics*, **2021**, 12, 749675	4.5	1
288	GWAS revealed effect of genotype environment interactions for grain yield of Nebraska winter wheat. *BMC Genomics*, **2021**, 22, 2	4.5	13
287	Identification of Candidate Genes and Genomic Regions Associated with Adult Plant Resistance to Stripe Rust in Spring Wheat. *Agronomy*, **2021**, 11, 2585	3.6	1
286	Cold Conditioned: Discovery of Novel Alleles for Low-Temperature Tolerance in the Vavilov Barley Collection.. *Frontiers in Plant Science*, **2021**, 12, 800284	6.2	0
285	Perspectives on Low Temperature Tolerance and Vernalization Sensitivity in Barley: Prospects for Facultative Growth Habit. *Frontiers in Plant Science*, **2020**, 11, 585927	6.2	8
284	Detailed Genetic Analysis for Identifying QTLs Associated with Drought Tolerance at Seed Germination and Seedling Stages in Barley. *Plants*, **2020**, 9,	4.5	11
283	Evaluation of hybrid wheat yield in Nebraska. *Crop Science*, **2020**, 60, 1210-1222	2.4	3
282	Estimation of heterosis and combining abilities of U.S. winter wheat germplasm for hybrid development in Texas. *Crop Science*, **2020**, 60, 788-803	2.4	8
281	Molecular genetic analysis of spring wheat core collection using genetic diversity, population structure, and linkage disequilibrium. *BMC Genomics*, **2020**, 21, 434	4.5	13
280	Yield and Quality in Purple-Grained Wheat Isogenic Lines. *Agronomy*, **2020**, 10, 86	3.6	9
279	Reverse introduction of two- and six-rowed barley lines from the United States into Egypt. *Crop Science*, **2020**, 60, 812-829	2.4	0
278	GWAS: Fast-forwarding gene identification and characterization in temperate Cereals: lessons from Barley - A review. *Journal of Advanced Research*, **2020**, 22, 119-135	13	107
277	Tri5 gene expression analysis during postharvest storage of wheat grain from field plots treated with a triazole and a strobilurin fungicide. *Canadian Journal of Plant Pathology*, **2020**, 42, 547-559	1.6	5

276	Effects of field-applied fungicides, grain moisture, and time on deoxynivalenol during postharvest storage of winter wheat grain. *Canadian Journal of Plant Science*, **2020**, 100, 304-313	1	4
275	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	3.6	13
274	Selection signatures across seven decades of hard winter wheat breeding in the Great Plains of the United States. *Plant Genome*, **2020**, 13, e20032	4.4	3
273	Automatic Wheat Lodging Detection and Mapping in Aerial Imagery to Support High-Throughput Phenotyping and In-Season Crop Management. *Agronomy*, **2020**, 10, 1762	3.6	7
272	Supplementing selection decisions in a hybrid wheat breeding program by using F2 yield as a proxy of F1 performance. *Euphytica*, **2020**, 216, 1	2.1	4
271	Insights into the Genetic Architecture of Bran Friability and Water Retention Capacity, Two Important Traits for Whole Grain End-Use Quality in Winter Wheat. *Genes*, **2020**, 11,	4.2	1
270	Registration of NE10589 (Husker Genetics Brand Ruth) hard red winter wheat. *Journal of Plant Registrations*, **2020**, 14, 388-397	0.7	1
269	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	2.1	7
268	Effect of Deprivation and Excessive Application of Nitrogen on Nitrogen Use Efficiency-Related Traits Using Wheat Cultivars, Lines, and Landraces. *Crop Science*, **2019**, 59, 994-1006	2.4	2
267	Impact of wheat bran physical properties and chemical composition on whole grain flour mixing and baking properties. *Journal of Cereal Science*, **2019**, 89, 102790	3.8	13
266	Marker-trait association for grain weight of spring barley in well-watered and drought environments. *Molecular Biology Reports*, **2019**, 46, 2907-2918	2.8	6
265	Model-Driven Multidisciplinary Global Research to Meet Future Needs: The Case for Improving Radiation Use Efficiency to Increase Yield *Crop Science*, **2019**, 59, 843-849	2.4	5
264	Selection of Bread Wheat for Low Grain Cadmium Concentration at the Seedling Stage Using Hydroponics versus Molecular Markers. *Crop Science*, **2019**, 59, 945-956	2.4	4
263	Genetic diversity and population structure analysis of synthetic and bread wheat accessions in Western Siberia. *Journal of Applied Genetics*, **2019**, 60, 283-289	2.5	8
262	Molecular marker dissection of stem rust resistance in Nebraska bread wheat germplasm. *Scientific Reports*, **2019**, 9, 11694	4.9	7
261	Genome-Wide Association Study for Multiple Biotic Stress Resistance in Synthetic Hexaploid Wheat. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	12
260	Drought Stress Tolerance in Wheat and Barley: Advances in Physiology, Breeding and Genetics Research. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	157
259	Principal variable selection to explain grain yield variation in winter wheat from features extracted from UAV imagery. *Plant Methods*, **2019**, 15, 123	5.8	12

258	Evaluation of a global spring wheat panel for stripe rust: Resistance loci validation and novel resources identification. *PLoS ONE*, **2019**, 14, e0222755	3.7	13
257	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	3.2	10
256	Determining the Efficacy of a Hybridizing Agent in Wheat (Triticum aestivum L.). *Scientific Reports*, **2019**, 9, 20173	4.9	7
255	Genomic Selection of Forage Quality Traits in Winter Wheat. *Crop Science*, **2019**, 59, 2473-2483	2.4	6
254	Registration of 'Matterhorn' Hard White Waxy Winter Wheat. *Journal of Plant Registrations*, **2019**, 13, 207-211	0.7	0
253	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	3.2	10
252	Evaluation of a global spring wheat panel for stripe rust: Resistance loci validation and novel resources identification **2019**, 14, e0222755		
251	Evaluation of a global spring wheat panel for stripe rust: Resistance loci validation and novel resources identification **2019**, 14, e0222755		
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247	Evaluation of a global spring wheat panel for stripe rust: Resistance loci validation and novel resources identification **2019**, 14, e0222755		
246	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	5.3	45
245	Variation in asparagine concentration in Nebraska wheat. *Cereal Chemistry*, **2018**, 95, 264-273	2.4	9
244	Evaluating canopy spectral reflectance vegetation indices to estimate nitrogen use traits in hard winter wheat. *Field Crops Research*, **2018**, 217, 82-92	5.5	36
243	Populations of doubled haploids for genetic mapping in hexaploid winter triticale. *Molecular Breeding*, **2018**, 38, 46	3.4	15
242	High-yielding winter synthetic hexaploid wheats resistant to multiple diseases and pests. *Plant Genetic Resources: Characterisation and Utilisation*, **2018**, 16, 273-278	1	16
241	Biofortification of Hard Red Winter Wheat by Genes Conditioning Low Phytate and High Grain Protein Concentration. *Crop Science*, **2018**, 58, 1942-1953	2.4	7

240	Genome-Wide Association Study for Identification and Validation of Novel SNP Markers for Stem Rust Resistance Gene in Bread Wheat. *Frontiers in Plant Science*, **2018**, 9, 380	6.2	29
239	Genetic Diversity and Population Structure of F Nebraska Winter Wheat Genotypes Using Genotyping-By-Sequencing. *Frontiers in Genetics*, **2018**, 9, 76	4.5	91
238	Unlocking the novel genetic diversity and population structure of synthetic Hexaploid wheat. *BMC Genomics*, **2018**, 19, 591	4.5	37
237	Registration of Great Plains Adapted Reduced Phytate Winter Wheat Germplasm. *Journal of Plant Registrations*, **2018**, 12, 405-410	0.7	2
236	Genetic diversity and genetic variation in morpho-physiological traits to improve heat tolerance in Spring barley. *Molecular Biology Reports*, **2018**, 45, 2441-2453	2.8	13
235	Identification of quantitative trait loci conferring resistance to tan spot in a biparental population derived from two Nebraska hard red winter wheat cultivars. *Molecular Breeding*, **2018**, 38, 1	3.4	6
234	Genetic architecture of common bunt resistance in winter wheat using genome-wide association study. *BMC Plant Biology*, **2018**, 18, 280	5.3	21
233	Wheat Height Estimation Using LiDAR in Comparison to Ultrasonic Sensor and UAS. *Sensors*, **2018**, 18,	3.8	46
232	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,	6.3	55
231	Genome-Wide Association Study Reveals Novel Genomic Regions Associated with 10 Grain Minerals in Synthetic Hexaploid Wheat. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	43
230	Release of 19 Waxy Winter Wheat Germplasm, with Observations on Their Grain Yield Stability. *Journal of Plant Registrations*, **2018**, 12, 152-156	0.7	4
229	Genome-wide association study reveals favorable alleles associated with common bunt resistance in synthetic hexaploid wheat. *Euphytica*, **2018**, 214, 1	2.1	15
228	Registration of a Bread Wheat Recombinant Inbred Line Mapping Population Derived from a Cross Between Harry and Wesley. *Journal of Plant Registrations*, **2018**, 12, 411-414	0.7	5
227	Foliar Fungicide Effects on Disease Severity, Yield, and Agronomic Characteristics of Modern Winter Wheat Genotypes. *Agronomy Journal*, **2018**, 110, 602-610	2.2	9
226	Genetic variation in drought tolerance at seedling stage and grain yield in low rainfall environments in wheat (Triticum aestivum L.). *Euphytica*, **2018**, 214, 1	2.1	19
225	Genomic Selection in Preliminary Yield Trials in a Winter Wheat Breeding Program. *G3: Genes, Genomes, Genetics*, **2018**, 8, 2735-2747	3.2	43
224	Cadmium concentration in terminal tissues as tools to select low-cadmium wheat. *Plant and Soil*, **2018**, 430, 127-138	4.2	5
223	Clover green manure productivity and weed suppression in an organic grain rotation. *Renewable Agriculture and Food Systems*, **2017**, 32, 474-483	1.8	9

222	Variation for nitrogen use efficiency traits in current and historical great plains hard winter wheat. *Euphytica*, **2017**, 213, 1	2.1	45
221	Genetic basis of the very short life cycle of 'Apogee' wheat. *BMC Genomics*, **2017**, 18, 838	4.5	5
220	Genotype, environment, seeding rate, and top-dressed nitrogen effects on end-use quality of modern Nebraska winter wheat. *Journal of the Science of Food and Agriculture*, **2017**, 97, 5311-5318	4.3	24
219	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	4.9	65
218	Seeding Rate, Genotype, and Topdressed Nitrogen Effects on Yield and Agronomic Characteristics of Winter Wheat. *Crop Science*, **2017**, 57, 951-963	2.4	24
217	Cell Membrane Stability and Association Mapping for Drought and Heat Tolerance in a Worldwide Wheat Collection. *Sustainability*, **2017**, 9, 1606	3.6	49
216	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, 419-30	6	12
215	Registration of NE05548 (Husker Genetics Brand Panhandle) Hard Red Winter Wheat. *Journal of Plant Registrations*, **2016**, 10, 276-282	0.7	3
214	Combining Ability for Tolerance to Pre-Harvest Sprouting in Common Wheat (Triticum aestivum L.). *Crop Science*, **2016**, 56, 1025-1035	2.4	11
213	Phenotypic Plasticity of Winter Wheat Heading Date and Grain Yield across the US Great Plains. *Crop Science*, **2016**, 56, 2223-2236	2.4	32
212	Genetic Diversity of Great Plains Hard Winter Wheat Germplasm for Forage. *Crop Science*, **2016**, 56, 2297-2305	2.4	6
211	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	3.6	21
210	A multi-sensor system for high throughput field phenotyping in soybean and wheat breeding. *Computers and Electronics in Agriculture*, **2016**, 128, 181-192	6.5	139
209	Exploiting genetic diversity from landraces in wheat breeding for adaptation to climate change. *Journal of Experimental Botany*, **2015**, 66, 3477-86	7	235
208	Evaluation and Association Mapping of Resistance to Tan Spot and Stagonospora Nodorum Blotch in Adapted Winter Wheat Germplasm. *Plant Disease*, **2015**, 99, 1333-1341	1.5	29
207	Prospects for Selecting Wheat with Increased Zinc and Decreased Cadmium Concentration in Grain. *Crop Science*, **2015**, 55, 1712-1728	2.4	34
206	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	2.4	57
205	Management of Fusarium head blight of wheat and barley. *Crop Protection*, **2015**, 73, 100-107	2.7	140

204	Characterization of Stem Rust Resistance in Wheat Cultivar Gage. *Crop Science*, **2015**, 55, 229-239	2.4	7
203	Distribution of Cadmium, Iron, and Zinc in Millstreams of Hard Winter Wheat (Triticum aestivum L.). *Journal of Agricultural and Food Chemistry*, **2015**, 63, 10681-8	5.7	25
202	Native Fusarium head blight resistance from winter wheat cultivars Lyman, Overland, Ernie, and Freedom mapped and pyramided onto Wesley Fhb1 backgrounds. *Molecular Breeding*, **2015**, 35, 1	3.4	14
201	Chemotype and aggressiveness of isolates of Fusarium graminearum causing head blight of wheat in Nebraska. *Canadian Journal of Plant Pathology*, **2014**, 36, 447-455	1.6	10
200	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	1.5	30
199	Characterization of Nebraska Isolates of Fusarium graminearum Causing Head Blight of Wheat. *Crop Science*, **2014**, 54, 310-317	2.4	5
198	Registration of NE06545 (Husker Genetics Brand Freeman) Hard Red Winter Wheat. *Journal of Plant Registrations*, **2014**, 8, 279-284	0.7	13
197	Registration of Mattern Waxy (Amylose-free) Winter Wheat. *Journal of Plant Registrations*, **2014**, 8, 43-48	0.7	14
196	SSR and SRAP Markers-based Genetic Diversity in Sorghum (Sorghum bicolor (L.) Moench) Accessions of Sudan. *International Journal of Plant Breeding and Genetics*, **2014**, 8, 89-99	0.7	6
195	Bridging Conventional Breeding and Genomics for A More Sustainable Wheat Production **2014**, 185-209		
194	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, 8057-62	11.5	719
193	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, 335-47	6	35
192	Effect of Fusarium Head Blight Resistance Gene Fhb1 on Agronomic and End-Use Quality Traits of Hard Red Winter Wheat. *Crop Science*, **2013**, 53, 793-801	2.4	11
191	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	2.4	11
190	Fusarium Head Blight Resistance in U.S. Winter Wheat Cultivars and Elite Breeding Lines. *Crop Science*, **2013**, 53, 2006-2013	2.4	34
189	Enzyme activity in wheat breeding lines derived from matings of low polyphenol oxidase parents. *Euphytica*, **2013**, 190, 65-73	2.1	3
188	Evaluating Cultivars for Organic Farming: Maize, Soybean, and Wheat Genotype by System Interactions in Eastern Nebraska. *Agroecology and Sustainable Food Systems*, **2013**, 37, 915-932	2	5
187	Introgression of novel traits from a wild wheat relative improves drought adaptation in wheat. *Plant Physiology*, **2013**, 161, 1806-19	6.6	91

186	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	3.7	37
185	Inheritance of grain polyphenol oxidase (PPO) activity in multiple wheat (Triticum aestivum L.) genetic backgrounds. *Theoretical and Applied Genetics*, **2012**, 125, 1705-15	6	12
184	Transgenic expression of lactoferrin imparts enhanced resistance to head blight of wheat caused by Fusarium graminearum. *BMC Plant Biology*, **2012**, 12, 33	5.3	37
183	The Scientific Grand Challenges of the 21st Century for the Crop Science Society of America. *Crop Science*, **2012**, 52, 1003-1010	2.4	18
182	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	1.5	25
181	Validation of QTL for Grain Yield-Related Traits on Wheat Chromosome 3A Using Recombinant Inbred Chromosome Lines. *Crop Science*, **2012**, 52, 1622-1632	2.4	25
180	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	1.6	11
179	Prediction of genetic values of quantitative traits with epistatic effects in plant breeding populations. *Heredity*, **2012**, 109, 313-9	3.6	40
178	Registration of 'NE01481' Hard Red Winter Wheat. *Journal of Plant Registrations*, **2012**, 6, 49-53	0.7	1
177	Registration of 'NI04421' Hard Red Winter Wheat. *Journal of Plant Registrations*, **2012**, 6, 54-59	0.7	10
176	Mapping QTL for Agronomic Traits on Wheat Chromosome 3A and a Comparison of Recombinant Inbred Chromosome Line Populations. *Crop Science*, **2011**, 51, 553-566	2.4	33
175	Understanding grain yield: it is a journey, not a destination. *Czech Journal of Genetics and Plant Breeding*, **2011**, 47, S77-S84	1.4	4
174	Registration of Seven Winter Wheat Germplasm Lines Carrying the Wsm1 Gene for Wheat Streak Mosaic Virus Resistance. *Journal of Plant Registrations*, **2011**, 5, 414-417	0.7	4
173	Structuring an Efficient Organic Wheat Breeding Program. *Sustainability*, **2011**, 3, 1190-1205	3.6	25
172	Economic returns from fungicide application to control foliar fungal diseases in winter wheat. *Crop Protection*, **2011**, 30, 685-692	2.7	49
171	Evaluation of buffalograss genotypes and full-sibs for chinch bug resistance. *Journal of Economic Entomology*, **2011**, 104, 2073-7	2.2	1
170	Registration of 'NH03614 CL' Wheat. *Journal of Plant Registrations*, **2011**, 5, 75-80	0.7	17
169	Registration of 'Anton' Hard White Winter Wheat. *Journal of Plant Registrations*, **2011**, 5, 339-344	0.7	5

168	Grain Yield Performance and Stability of Cultivar Blends vs. Component Cultivars of Hard Winter Wheat in Nebraska. *Crop Science*, **2010**, 50, 617-623	2.4	12
167	Regression-based multi-trait QTL mapping using a structural equation model. *Statistical Applications in Genetics and Molecular Biology*, **2010**, 9, Article38	1.2	11
166	Bayesian mixture structural equation modelling in multiple-trait QTL mapping. *Genetical Research*, **2010**, 92, 239-50	1.1	8
165	Population- and genome-specific patterns of linkage disequilibrium and SNP variation in spring and winter wheat (Triticum aestivum L.). *BMC Genomics*, **2010**, 11, 727	4.5	170
164	Frequency of resistance to stem rust race TPMK in Afghan wheat cultivars. *Canadian Journal of Plant Pathology*, **2009**, 31, 250-253	1.6	6
163	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	2.7	32
162	Automated Single-Kernel Sorting to Select for Quality Traits in Wheat Breeding Lines. *Cereal Chemistry*, **2009**, 86, 527-533	2.4	11
161	Registration of Mace Hard Red Winter Wheat. *Journal of Plant Registrations*, **2009**, 3, 51-56	0.7	59
160	Haploidy in Cultivated Wheats: Induction and Utility in Basic and Applied Research. *Crop Science*, **2009**, 49, 737-755	2.4	36
159	Registration of Camelot Wheat. *Journal of Plant Registrations*, **2009**, 3, 256-263	0.7	9
158	Identifying Winter Forage Triticale (Triticosecale Wittmack) Strains for the Central Great Plains. *Crop Science*, **2008**, 48, 2040-2048	2.4	15
157	Creation of salt tolerant wheat doubled haploid lines from wheat maize crosses. *Cereal Research Communications*, **2008**, 36, 361-371	1.1	7
156	Assessment of genetic diversity and relationship among a collection of US sweet sorghum germplasm by SSR markers. *Molecular Breeding*, **2008**, 21, 497-509	3.4	109
155	Registration of NE01643 Wheat. *Journal of Plant Registrations*, **2008**, 2, 36-42	0.7	30
154	Registration of Alice Wheat. *Journal of Plant Registrations*, **2008**, 2, 110-114	0.7	1
153	Registration of Darrell Wheat. *Journal of Plant Registrations*, **2008**, 2, 115-121	0.7	5
152	Analysis of Genotype-by-Environment Interaction in Wheat Using a Structural Equation Model and Chromosome Substitution Lines. *Crop Science*, **2007**, 47, 477-484	2.4	25
151	Evaluation of seedling characteristics of wheat (Triticum aestivumL.) through canonical correlation analysis. *Cereal Research Communications*, **2006**, 34, 1231-1238	1.1	5

150	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	65
149	High-density mapping and comparative analysis of agronomically important traits on wheat chromosome 3A. *Genomics*, **2006**, 88, 74-87	4.3	37
148	Registration of Infinity CL Wheat. *Crop Science*, **2006**, 46, 975-977	2.4	16
147	Registration of Hallam Wheat. *Crop Science*, **2006**, 46, 977-979	2.4	1
146	Evaluating the Genetic Diversity of Triticale with Wheat and Rye SSR Markers. *Crop Science*, **2006**, 46, 1692-1700	2.4	34
145	Improving Lives: 50 Years of Crop Breeding, Genetics, and Cytology (C-1). *Crop Science*, **2006**, 46, 2230-2244	2.4	60
144	An Automated Near-Infrared System for Selecting Individual Kernels Based on Specific Quality Characteristics. *Cereal Chemistry*, **2006**, 83, 537-543	2.4	37
143	Agronomic and quality effects in winter wheat of a gene conditioning resistance to wheat streak mosaic virus. *Euphytica*, **2006**, 152, 41-49	2.1	24
142	Crossover Interactions for Grain Yield in Multienvironmental Trials of Winter Wheat. *Crop Science*, **2006**, 46, 1291-1298	2.4	4
141	Screening Wheat Genotypes for High Callus Induction and Regeneration Capability from Immature Embryo Cultures. *Journal of Plant Biochemistry and Biotechnology*, **2005**, 14, 155-160	1.6	5
140	Earlier winter wheat heading dates and warmer spring in the U.S. Great Plains. *Agricultural and Forest Meteorology*, **2005**, 135, 284-290	5.8	82
139	A simple wheat haploid and doubled haploid production system using anther culture. *In Vitro Cellular and Developmental Biology - Plant*, **2005**, 41, 22-27	2.3	19
138	Quality effect of wheat-rye (1R) translocation in Pavon 76. *Plant Breeding*, **2005**, 124, 334-337	2.4	6
137	Comparison of phenotypic and molecular marker-based classifications of hard red winter wheat cultivars. *Euphytica*, **2005**, 145, 133-146	2.1	112
136	Genetic improvement trends in agronomic performances and end-use quality characteristics among hard red winter wheat cultivars in Nebraska. *Euphytica*, **2005**, 144, 187-198	2.1	80
135	Registration of NE426GT Winter Triticale. *Crop Science*, **2005**, 45, 796-797	2.4	3
134	Registration of Arrowsmith Hard White Winter Wheat. *Crop Science*, **2005**, 45, 1662-1663	2.4	5
133	Registration of Antelope Hard White Winter Wheat. *Crop Science*, **2005**, 45, 1661-1662	2.4	6

132	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	2.4	20
131	Registration of Harry Wheat. *Crop Science*, **2004**, 44, 1474-1475	2.4	8
130	Registration of Goodstreak Wheat. *Crop Science*, **2004**, 44, 1473-1474	2.4	20
129	Agronomic Effect of Wheat-Rye Translocation Carrying Rye Chromatin (1R) From Different Sources. *Crop Science*, **2004**, 44, 1254-1258	2.4	89
128	Genetic Transformation of Wheat (Triticum Aestivum L.) Anther Culture-Derived Embryos by Electroporation. *Biotechnology and Biotechnological Equipment*, **2004**, 18, 62-68	1.6	4
127	Demarcating the gene-rich regions of the wheat genome. *Nucleic Acids Research*, **2004**, 32, 3546-65	20.1	159
126	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	5.9	35
125	The effect of introgressions of wheat D-genome chromosomes into 'Presto' triticale. *Euphytica*, **2004**, 137, 261-270	2.1	13
124	Transferability of SSR markers among wheat, rye, and triticale. *Theoretical and Applied Genetics*, **2004**, 108, 1147-50	6	138
123	The use of microsatellite markers for the detection of genetic similarity among winter bread wheat lines for chromosome 3A. *Theoretical and Applied Genetics*, **2004**, 109, 1494-503	6	13
122	Winter Wheat Cultivar Characteristics Affect Annual Weed Suppression. *Weed Technology*, **2004**, 18, 988-998	1.4	29
121	Linkage mapping of powdery mildew and greenbug resistance genes on recombinant 1RS from 'Amigo' and 'Kavkaz' wheat-rye translocations of chromosome 1RS.1AL. *Genome*, **2004**, 47, 292-8	2.4	30
120	Putting genes into genetic coefficients. *Field Crops Research*, **2004**, 90, 133-143	5.5	24
119	Using Environmental Covariates to Explain Genotype Environment and QTL Environment Interactions for Agronomic Traits on Chromosome 3A of Wheat. *Crop Science*, **2004**, 44, 620-627	2.4	43
118	Genotypic and Environmental Modification of Asian Noodle Quality of Hard Winter Wheats. *Cereal Chemistry*, **2004**, 81, 19-25	2.4	13
117	Predicting phenological development in winter wheat. *Climate Research*, **2004**, 25, 243-252	1.6	20
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