Jorge Dubcovsky

List of Publications by Year
in descending order

252 papers	31,754 citations	4146 87 h-index	4885 168 g-index
272 all docs	272 docs citations	272 times ranked	12594 citing authors

#	Article	IF	Citations
1	Characterization of polyploid wheat genomic diversity using a highâ€density 90Â000 single nucleotide polymorphism array. Plant Biotechnology Journal, 2014, 12, 787-796.	8.3	1,828
2	A NAC Gene Regulating Senescence Improves Grain Protein, Zinc, and Iron Content in Wheat. Science, 2006, 314, 1298-1301.	12.6	1,408
3	Positional cloning of the wheat vernalization gene VRN1. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6263-6268.	7.1	1,254
4	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
5	The Wheat VRN2 Gene Is a Flowering Repressor Down-Regulated by Vernalization. Science, 2004, 303, 1640-1644.	12.6	999
6	The wheat and barley vernalization gene VRN3 is an orthologue of FT. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19581-19586.	7.1	937
7	Genome Plasticity a Key Factor in the Success of Polyploid Wheat Under Domestication. Science, 2007, 316, 1862-1866.	12.6	886
8	A Kinase-START Gene Confers Temperature-Dependent Resistance to Wheat Stripe Rust. Science, 2009, 323, 1357-1360.	12.6	625
9	Large deletions within the first intron in VRN-1 are associated with spring growth habit in barley and wheat. Molecular Genetics and Genomics, 2005, 273, 54-65.	2.1	592
10	Uncovering hidden variation in polyploid wheat. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E913-E921.	7.1	554
11	Allelic variation at the VRN-1 promoter region in polyploid wheat. Theoretical and Applied Genetics, 2004, 109, 1677-1686.	3.6	448
12	Regulation of flowering in temperate cereals. Current Opinion in Plant Biology, 2009, 12, 178-184.	7.1	423
13	A highâ€density, <scp>SNP</scp>â€based consensus map of tetraploid wheat as a bridge to integrate durum and bread wheat genomics and breeding. Plant Biotechnology Journal, 2015, 13, 648-663.	8.3	386
14	A Chromosome Bin Map of 16,000 Expressed Sequence Tag Loci and Distribution of Genes Among the Three Genomes of Polyploid Wheat. Genetics, 2004, 168, 701-712.	2.9	369
15	Comparative DNA Sequence Analysis of Wheat and Rice Genomes. Genome Research, 2003, 13, 1818-1827.	5.5	369
16	A Genome-Wide Association Study of Resistance to Stripe Rust (Puccinia striiformisf.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 T G3: Genes, Genomes, Genetics, 2015, 5, 449-465.	1.8	356
17	Genetic mapping of 66 new microsatellite (SSR) loci in bread wheat. Theoretical and Applied Genetics, 2002, 105, 413-422.	3.6	339
18	PCR Assays for the Lr37â€Yr17â€Sr38 Cluster of Rust Resistance Genes and Their Use to Develop Isogenic Hard Red Spring Wheat Lines. Crop Science, 2003, 43, 1839-1847.	1.8	334

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19	A modified TILLING approach to detect induced mutations in tetraploid and hexaploid wheat. BMC Plant Biology, 2009, 9, 115.	3.6	323
20	Wheat (Triticum aestivum) NAM proteins regulate the translocation of iron, zinc, and nitrogen compounds from vegetative tissues to grain. Journal of Experimental Botany, 2009, 60, 4263-4274.	4.8	300
21	The Organization and Rate of Evolution of Wheat Genomes Are Correlated With Recombination Rates Along Chromosome Arms. Genome Research, 2003, 13, 753-763.	5.5	298
22	Identification of Wheat Gene Sr35 That Confers Resistance to Ug99 Stem Rust Race Group. Science, 2013, 341, 783-786.	12.6	283
23	Efficient Genome-Wide Detection and Cataloging of EMS-Induced Mutations Using Exome Capture and Next-Generation Sequencing. Plant Cell, 2014, 26, 1382-1397.	6.6	277
24	A GRFâ€"GIF chimeric protein improves the regeneration efficiency of transgenic plants. Nature Biotechnology, 2020, 38, 1274-1279.	17.5	272
25	Discovery of Rare Mutations in Populations: TILLING by Sequencing Â Â Â. Plant Physiology, 2011, 156, 1257-1268.	4.8	266
26	Molecular and Structural Characterization of Barley Vernalization Genes. Plant Molecular Biology, 2005, 59, 449-467.	3.9	258
27	Effect of Photoperiod on the Regulation of Wheat Vernalization Genes VRN1 and VRN2. Plant Molecular Biology, 2006, 60, 469-480.	3.9	256
28	The high grain protein content gene Gpc-B1 accelerates senescence and has pleiotropic effects on protein content in wheat. Journal of Experimental Botany, 2006, 57, 2785-2794.	4.8	252
29	Genetic Map of Diploid Wheat, Triticum monococcum L., and Its Comparison With Maps of Hordeum vulgare L.. Genetics, 1996, 143, 983-999.	2.9	250
30	Genome analyses of the wheat yellow (stripe) rust pathogen Puccinia striiformis f. sp. triticireveal polymorphic and haustorial expressed secreted proteins as candidate effectors. BMC Genomics, 2013, 14, 270.	2.8	235
31	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
32	Rapid Genome Divergence at Orthologous Low Molecular Weight Glutenin Loci of the A and Am Genomes of Wheat[W]. Plant Cell, 2003, 15, 1186-1197.	6.6	226
33	Wheat FT protein regulates VRN1 transcription through interactions with FDL2. Plant Journal, 2008, 55, 543-554.	5.7	217
34	A haplotype map of allohexaploid wheat reveals distinct patterns of selection on homoeologous genomes. Genome Biology, 2015, 16, 48.	8.8	216
35	Wheat TILLING Mutants Show That the Vernalization Gene VRN1 Down-Regulates the Flowering Repressor VRN2 in Leaves but Is Not Essential for Flowering. PLoS Genetics, 2012, 8, e1003134.	3.5	213
36	The cold-regulated transcriptional activator Cbf3 is linked to the frost-tolerance locus Fr-A2 on wheat chromosome 5A. Molecular Genetics and Genomics, 2003, 269, 60-67.	2.1	212

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37	High-temperature adult-plant (HTAP) stripe rust resistance gene Yr36 from Triticum turgidum ssp. dicoccoides is closely linked to the grain protein content locus Gpc-B1. Theoretical and Applied Genetics, 2005, 112, 97-105.	3.6	208
38	Comparative Sequence Analysis of Colinear Barley and Rice Bacterial Artificial Chromosomes. Plant Physiology, 2001, 125, 1342-1353.	4.8	204
39	Cloning of the wheat Yr15 resistance gene sheds light on the plant tandem kinase-pseudokinase family. Nature Communications, 2018, 9, 3735.	12.8	204
40	Regulation of VRN-1 Vernalization Genes in Normal and Transgenic Polyploid Wheat. Plant Physiology, 2005, 138, 2364-2373.	4.8	190
41	Genome comparisons reveal a dominant mechanism of chromosome number reduction in grasses and accelerated genome evolution in Triticeae. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15780-15785.	7.1	190
42	Nucleotide diversity maps reveal variation in diversity among wheat genomes and chromosomes. BMC Genomics, 2010, 11, 702.	2.8	189
43	A splice acceptor site mutation in TaGW2-A1 increases thousand grain weight in tetraploid and hexaploid wheat through wider and longer grains. Theoretical and Applied Genetics, 2016, 129, 1099-1112.	3.6	179
44	Variation in the AvrSr35 gene determines Sr35 resistance against wheat stem rust race Ug99. Science, 2017, 358, 1604-1606.	12.6	179
45	Quantitative Evaluation of Genetic Diversity in Wheat Germplasm Using Molecular Markers. Crop Science, 2001, 41, 682-690.	1.8	178
46	PHYTOCHROME C plays a major role in the acceleration of wheat flowering under long-day photoperiod. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10037-10044.	7.1	175
47	Association between allelic variation at the Phytoene synthase 1 gene and yellow pigment content in the wheat grain. Theoretical and Applied Genetics, 2008, 116, 635-645.	3.6	174
48	Precise mapping of a locus affecting grain protein content in durum wheat. Theoretical and Applied Genetics, 2003, 107, 1243-1251.	3.6	170
49	Next Generation Sequencing Provides Rapid Access to the Genome of Puccinia striiformis f. sp. tritici, the Causal Agent of Wheat Stripe Rust. PLoS ONE, 2011, 6, e24230.	2.5	169
50	Evaluation of Genetic Diversity and Genomeâ€wide Linkage Disequilibrium among U.S. Wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 1	1.8	167
51	Regulation of Freezing Tolerance and Flowering in Temperate Cereals: The VRN-1 Connection Â Â. Plant Physiology, 2010, 153, 1846-1858.	4.8	162
52	Synteny perturbations between wheat homoeologous chromosomes caused by locus duplications and deletions correlate with recombination rates. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10836-10841.	7.1	159
53	Regulatory genes involved in the determination of frost tolerance in temperate cereals. Plant Science, 2009, 176, 12-19.	3.6	158
54	Allelic Variation at the Vernalization Genes Vrnâ€A1, Vrnâ€B1, Vrnâ€D1, and Vrnâ€B3 in Chinese Wheat Cultivars and Their Association with Growth Habit. Crop Science, 2008, 48, 458-470.	1.8	155

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55	Transposable elements, genes and recombination in a 215-kb contig from wheat chromosome 5Am. Functional and Integrative Genomics, 2002, 2, 70-80.	3.5	153
56	Analysis of gene-derived SNP marker polymorphism in US wheat (Triticum aestivum L.) cultivars. Molecular Breeding, 2009, 23, 23-33.	2.1	153
57	Physical map of the wheat highâ€grain protein content gene Gpcâ€B1 and development of a highâ€throughput molecular marker. New Phytologist, 2006, 169, 753-763.	7.3	150
58	A cluster of 11 CBF transcription factors is located at the frost tolerance locus Fr-A m 2 in Triticum monococcum. Molecular Genetics and Genomics, 2006, 275, 193-203.	2.1	146
59	Identification and characterization of Sr13 , a tetraploid wheat gene that confers resistance to the Ug99 stem rust race group. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9483-E9492.	7.1	146
60	The 2NS Translocation from Aegilops ventricosa Confers Resistance to the Triticum Pathotype of Magnaporthe oryzae. Crop Science, 2016, 56, 990-1000.	1.8	141
61	QTL analysis of pasta quality using a composite microsatellite and SNP map of durum wheat. Theoretical and Applied Genetics, 2008, 117, 1361-1377.	3.6	137
62	Wheat Stripe Rust Resistance Protein WKS1 Reduces the Ability of the Thylakoid-Associated Ascorbate Peroxidase to Detoxify Reactive Oxygen Species. Plant Cell, 2015, 27, 1755-1770.	6.6	133
63	Different Types and Rates of Genome Evolution Detected by Comparative Sequence Analysis of Orthologous Segments From Four Cereal Genomes. Genetics, 2002, 162, 1389-1400.	2.9	132
64	Identification of the VERNALIZATION 4 gene reveals the origin of spring growth habit in ancient wheats from South Asia. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5401-10.	7.1	131
65	Genetic and Molecular Characterization of theVRN2Loci in Tetraploid Wheat Â Â. Plant Physiology, 2009, 149, 245-257.	4.8	129
66	Separating homeologs by phasing in the tetraploid wheat transcriptome. Genome Biology, 2013, 14, R66.	8.8	126
67	microRNA172 plays a critical role in wheat spike morphology and grain threshability. Development (Cambridge), 2017, 144, 1966-1975.	2.5	125
68	Construction and characterization of a half million clone BAC library of durum wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	3.6	124
69	WheatExp: an RNA-seq expression database for polyploid wheat. BMC Plant Biology, 2015, 15, 299.	3.6	124
70	The expression of several Cbf genes at the Fr-A2 locus is linked to frost resistance in wheat. Molecular Genetics and Genomics, 2005, 274, 506-514.	2.1	123
71	Identification of a candidate gene for a QTL for spikelet number per spike on wheat chromosome arm 7AL by high-resolution genetic mapping. Theoretical and Applied Genetics, 2019, 132, 2689-2705.	3.6	118
72	Markerâ€Assisted Selection in Public Breeding Programs. Crop Science, 2004, 44, 1895-1898.	1.8	117

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73	Mapping of a thermo-sensitive earliness per se gene on Triticum monococcum chromosome 1Am. Theoretical and Applied Genetics, 2002, 105, 585-593.	3.6	116
74	Wheat flowering repressor VRN2 and promoter CO2 compete for interactions with NUCLEAR FACTORâ€Y complexes. Plant Journal, 2011, 67, 763-773.	5.7	115
75	Heterologous expression and transcript analysis of gibberellin biosynthetic genes of grasses reveals novel functionality in the GA3ox family. BMC Plant Biology, 2015, 15, 130.	3.6	115
76	The chromosome region including the earliness per se locus Eps-Am1 affects the duration of early developmental phases and spikelet number in diploid wheat. Journal of Experimental Botany, 2008, 59, 3595-3607.	4.8	112
77	Mapping and validation of QTL which confer partial resistance to broadly virulent post-2000 North American races of stripe rust in hexaploid wheat. Theoretical and Applied Genetics, 2011, 123, 143-157.	3.6	111
78	Microcolinearity between a 2-cM region encompassing the grain protein content locus Gpc-6B1 on wheat chromosome 6B and a 350-kb region on rice chromosome 2. Functional and Integrative Genomics, 2004, 4, 59-66.	3.5	109
79	Identification of candidate CBF genes for the frost tolerance locus Fr-A m 2 in Triticum monococcum. Plant Molecular Biology, 2008, 67, 257-270.	3.9	103
80	Molecular characterization of the allelic variation at the VRN-H2 vernalization locus in barley. Molecular Breeding, 2005, 15, 395-407.	2.1	102
81	Genetic and physical mapping of the earliness per se locus Eps-A m 1 in Triticum monococcum identifies EARLY FLOWERING 3 (ELF3) as a candidate gene. Functional and Integrative Genomics, 2016, 16, 365-382.	3.5	102
82	Wheat gene Sr60 encodes a protein with two putative kinase domains that confers resistance to stem rust. New Phytologist, 2020, 225, 948-959.	7.3	102
83	Combining Traditional Mutagenesis with New High-Throughput Sequencing and Genome Editing to Reveal Hidden Variation in Polyploid Wheat. Annual Review of Genetics, 2017, 51, 435-454.	7.6	100
84	Effects of the Chromosome Region Including the Gpcâ€B1 Locus on Wheat Grain and Protein Yield. Crop Science, 2010, 50, 93-104.	1.8	98
85	Vrn-D4 is a vernalization gene located on the centromeric region of chromosome 5D in hexaploid wheat. Theoretical and Applied Genetics, 2010, 120, 543-552.	3.6	98
86	The genetic architecture of genomeâ€wide recombination rate variation in allopolyploid wheat revealed by nested association mapping. Plant Journal, 2018, 95, 1039-1054.	5.7	97
87	Identification and characterization of wheat stem rust resistance gene Sr21 effective against the Ug99 race group at high temperature. PLoS Genetics, 2018, 14, e1007287.	3.5	97
88	Induced Mutations in the Starch Branching Enzyme II (SBEII) Genes Increase Amylose and Resistant Starch Content in Durum Wheat. Crop Science, 2012, 52, 1754-1766.	1.8	97
89	Copy number and haplotype variation at the VRN-A1 and central FR-A2 loci are associated with frost tolerance in hexaploid wheat. Theoretical and Applied Genetics, 2014, 127, 1183-1197.	3.6	96
90	Wheat VRN1, FUL2 and FUL3 play critical and redundant roles in spikelet development and spike determinacy. Development (Cambridge), 2019, 146, .	2.5	96

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91	Factorial combinations of protein interactions generate a multiplicity of florigen activation complexes in wheat and barley. Plant Journal, 2015, 84, 70-82.	5.7	95
92	Characterization of FLOWERING LOCUS T1 (FT1) Gene in Brachypodium and Wheat. PLoS ONE, 2014, 9, e94171.	2.5	94
93	Identification and characterization of Rht25, a locus on chromosome arm 6AS affecting wheat plant height, heading time, and spike development. Theoretical and Applied Genetics, 2018, 131, 2021-2035.	3.6	94
94	Mapping a region within the 1RS.1BL translocation in common wheat affecting grain yield and canopy water status. Theoretical and Applied Genetics, 2014, 127, 2695-2709.	3.6	92
95	Molecular Characterization of Two Triticum speltoides Interstitial Translocations Carrying Leaf Rust and Greenbug Resistance Genes. Crop Science, 1998, 38, 1655-1660.	1.8	91
96	Development of PCRâ€Based Markers for a High Grain Protein Content Gene from Triticum turgidum ssp. dicoccoides Transferred to Bread Wheat. Crop Science, 2000, 40, 518-524.	1.8	91
97	Analysis of Expressed Sequence Tag Loci on Wheat Chromosome Group 4. Genetics, 2004, 168, 651-663.	2.9	90
98	Down-regulation of four putative arabinoxylan feruloyl transferase genes from family PF02458 reduces ester-linked ferulate content in rice cell walls. Planta, 2010, 231, 677-691.	3.2	90
99	Identification and validation of QTL for grain yield and plant water status under contrasting water treatments in fall-sown spring wheats. Theoretical and Applied Genetics, 2018, 131, 1741-1759.	3.6	90
100	Exogenous Gibberellins Induce Wheat Spike Development under Short Days Only in the Presence of VERNALIZATION1 Â Â Â Â. Plant Physiology, 2013, 163, 1433-1445.	4.8	89
101	Genetic and physical characterization of grain texture-related loci in diploid wheat. Molecular Genetics and Genomics, 1999, 262, 846-850.	2.4	88
102	A deletion at the Lpx-B1 locus is associated with low lipoxygenase activity and improved pasta color in durum wheat (Triticum turgidum ssp. durum). Journal of Cereal Science, 2007, 45, 67-77.	3.7	88
103	Development of an Expressed Sequence Tag (EST) Resource for Wheat (Triticum aestivum L.). Genetics, 2004, 168, 585-593.	2.9	87
104	Sequencing of the Triticum monococcum Hardness locus reveals good microcolinearity with rice. Molecular Genetics and Genomics, 2004, 271, 377-386.	2.1	85
105	A consensus framework map of durum wheat (Triticum durum Desf.) suitable for linkage disequilibrium analysis and genome-wide association mapping. BMC Genomics, 2014, 15, 873.	2.8	85
106	Functional characterization of GPC-1 genes in hexaploid wheat. Planta, 2014, 239, 313-324.	3.2	85
107	Durable resistance to the wheat rusts: integrating systems biology and traditional phenotype-based research methods to guide the deployment of resistance genes. Euphytica, 2011, 179, 69-79.	1.2	83
108	Increased copy number at the HvFT1 locus is associated with accelerated flowering time in barley. Molecular Genetics and Genomics, 2013, 288, 261-275.	2.1	83

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109	Small RNAs, DNA methylation and transposable elements in wheat. BMC Genomics, 2010, 11, 408.	2.8	82
110	Group 3 Chromosome Bin Maps of Wheat and Their Relationship to Rice Chromosome 1. Genetics, 2004, 168, 639-650.	2.9	81
111	Molecular characterization of durum and common wheat recombinant lines carrying leaf rust resistance (Lr19) and yellow pigment (Y) genes from Lophopyrum ponticum. Theoretical and Applied Genetics, 2005, 111, 573-582.	3.6	80
112	Development of Sequence Tagged Site and Cleaved Amplified Polymorphic Sequence Markers for Wheat Stripe Rust Resistance Gene Yr5. Crop Science, 2003, 43, 2058-2064.	1.8	79
113	Molecular Mapping of the Stb4 Gene for Resistance to Septoria tritici Blotch in Wheat. Phytopathology, 2004, 94, 1198-1206.	2.2	79
114	Chromosome Bin Map of Expressed Sequence Tags in Homoeologous Group 1 of Hexaploid Wheat and Homoeology With Rice and Arabidopsis. Genetics, 2004, 168, 609-623.	2.9	78
115	A 2600-Locus Chromosome Bin Map of Wheat Homoeologous Group 2 Reveals Interstitial Gene-Rich Islands and Colinearity With Rice. Genetics, 2004, 168, 625-637.	2.9	78
116	Nitrogen uptake and remobilization in tetraploid 'Langdon' durum wheat and a recombinant substitution line with the high grain protein gene Gpc-B1. Plant Breeding, 2005, 124, 343-349.	1.9	77
117	Substitutions and Deletions of Genes Related to Grain Hardness in Wheat and Their Effect on Grain Texture. Crop Science, 2002, 42, 1812-1817.	1.8	76
118	RNA interference for wheat functional gene analysis. Transgenic Research, 2007, 16, 689-701.	2.4	76
119	Effect of the down-regulation of the high Grain Protein Content (GPC) genes on the wheat transcriptome during monocarpic senescence. BMC Genomics, 2011, 12, 492.	2.8	75
120	Evaluation of marker-assisted selection for the stripe rust resistance gene Yr15, introgressed from wild emmer wheat. Molecular Breeding, 2015, 35, 1.	2.1	74
121	Recognition of Homeology by the Wheat Ph1 Locus. Genetics, 1996, 144, 1195-1203.	2.9	74
122	FLOWERING LOCUS T2 regulates spike development and fertility in temperate cereals. Journal of Experimental Botany, 2019, 70, 193-204.	4.8	73
123	Development of PCR markers for the wheat leaf rust resistance gene Lr47. Theoretical and Applied Genetics, 2000, 100, 1137-1143.	3.6	71
124	Control of flowering time and spike development in cereals: the earliness per se Eps-1 region in wheat, rice, and Brachypodium. Functional and Integrative Genomics, 2010, 10, 293-306.	3.5	71
125	Colinearity between the barley grain protein content (GPC) QTL on chromosome arm 6HS and the wheat Gpc-B1 region. Molecular Breeding, 2008, 22, 25-38.	2.1	70
126	Divergent functions of orthologous NAC transcription factors in wheat and rice. Plant Molecular Biology, 2012, 78, 515-524.	3.9	70

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127	Dissecting the genetic architecture of frost tolerance in Central European winter wheat. Journal of Experimental Botany, 2013, 64, 4453-4460.	4.8	69
128	A Conserved Puccinia striiformis Protein Interacts with Wheat NPR1 and Reduces Induction of Pathogenesis-Related Genes in Response to Pathogens. Molecular Plant-Microbe Interactions, 2016, 29, 977-989.	2.6	69
129	Mapping causal mutations by exome sequencing in a wheat TILLING population: a tall mutant case study. Molecular Genetics and Genomics, 2018, 293, 463-477.	2.1	69
130	A Chromosome Bin Map of 2148 Expressed Sequence Tag Loci of Wheat Homoeologous Group 7. Genetics, 2004, 168, 687-699.	2.9	68
131	PCR Markers for Triticum speltoides Leaf Rust Resistance Gene Lr51 and Their Use to Develop Isogenic Hard Red Spring Wheat Lines. Crop Science, 2005, 45, 728-734.	1.8	68
132	A 2500-Locus Bin Map of Wheat Homoeologous Group 5 Provides Insights on Gene Distribution and Colinearity With Rice. Genetics, 2004, 168, 665-676.	2.9	67
133	RNA-seq studies using wheat PHYTOCHROME B and PHYTOCHROME C mutants reveal shared and specific functions in the regulation of flowering and shade-avoidance pathways. BMC Plant Biology, 2016, 16, 141.	3.6	67
134	Dynamics of the evolution of orthologous and paralogous portions of a complex locus region in two genomes of allopolyploid wheat. Plant Molecular Biology, 2004, 54, 55-69.	3.9	65
135	Genetic mapping of stem rust resistance gene Sr13 in tetraploid wheat (Triticum turgidum ssp. durum) Tj ETQq1 1 0.784314 rgBT /Over	3.6	65
136	Validation and characterization of a QTL for adult plant resistance to stripe rust on wheat chromosome arm 6BS (Yr78). Theoretical and Applied Genetics, 2017, 130, 2127-2137.	3.6	65
137	Genomic organization of the complex Î±-gliadin gene loci in wheat. Theoretical and Applied Genetics, 2004, 109, 648-657.	3.6	62
138	Comparative analysis of protein-protein interactions in the defense response of rice and wheat. BMC Genomics, 2013, 14, 166.	2.8	60
139	Effect of the grain protein content locus Gpc-B1 on bread and pasta quality. Journal of Cereal Science, 2010, 51, 357-365.	3.7	59
140	Construction and Evaluation of cDNA Libraries for Large-Scale Expressed Sequence Tag Sequencing in Wheat (Triticum aestivum L.). Genetics, 2004, 168, 595-608.	2.9	57
141	The CArG-Box Located Upstream from the Transcriptional Start of Wheat Vernalization Gene VRN1 Is Not Necessary for the Vernalization Response. Journal of Heredity, 2009, 100, 355-364.	2.4	57
142	Wheat VIN3-like PHD finger genes are up-regulated by vernalization. Molecular Genetics and Genomics, 2007, 277, 301-313.	2.1	56
143	Fine mapping and characterization of Sr21, a temperature-sensitive diploid wheat resistance gene effective against the Puccinia graminis f. sp. tritici Ug99 race group. Theoretical and Applied Genetics, 2015, 128, 645-656.	3.6	56
144	APETALAÂ2â€«like genes AP2L2 and Q specify lemma identity and axillary floral meristem development inÂwheat. Plant Journal, 2020, 101, 171-187.	5.7	56

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145	A microcolinearity study at the earliness per se gene Eps-A m 1 region reveals an ancient duplication that preceded the wheatâ€"rice divergence. Theoretical and Applied Genetics, 2006, 112, 945-957.	3.6	54
146	Characterization of the maintained vegetative phase deletions from diploid wheat and their effect on VRN2 and FT transcript levels. Molecular Genetics and Genomics, 2010, 283, 223-232.	2.1	54
147	An Aegilops ventricosa Translocation Confers Resistance Against Rootâ€knot Nematodes to Common Wheat. Crop Science, 2013, 53, 1412-1418.	1.8	53
148	Genetic Maps of Stem Rust Resistance Gene Sr35 in Diploid and Hexaploid Wheat. Crop Science, 2010, 50, 2464-2474.	1.8	51
149	Haplotype diversity of stem rust resistance loci in uncharacterized wheat lines. Molecular Breeding, 2010, 26, 667-680.	2.1	50
150	Genetic Relationship of Stripe Rust Resistance Genes Yr34 and Yr48 in Wheat and Identification of Linked KASP Markers. Plant Disease, 2018, 102, 413-420.	1.4	50
151	WAPO-A1 is the causal gene of the 7AL QTL for spikelet number per spike in wheat. PLoS Genetics, 2022, 18, e1009747.	3.5	50
152	YR36/WKS1-Mediated Phosphorylation of PsbO, an Extrinsic Member of Photosystem II, Inhibits Photosynthesis and Confers Stripe Rust Resistance in Wheat. Molecular Plant, 2019, 12, 1639-1650.	8.3	49
153	Fine mapping and epistatic interactions of the vernalization gene VRN-D4 in hexaploid wheat. Molecular Genetics and Genomics, 2014, 289, 47-62.	2.1	48
154	Cloning and comparative analysis of carotenoid Î²-hydroxylase genes provides new insights into carotenoid metabolism in tetraploid (Triticum turgidum ssp. durum) and hexaploid (Triticum aestivum) wheat grains. Plant Molecular Biology, 2012, 80, 631-646.	3.9	47
155	Large deletions in the CBF gene cluster at the Fr-B2 locus are associated with reduced frost tolerance in wheat. Theoretical and Applied Genetics, 2013, 126, 2683-2697.	3.6	47
156	Epistatic interactions between PHOTOPERIOD1, CONSTANS1 and CONSTANS2 modulate the photoperiodic response in wheat. PLoS Genetics, 2020, 16, e1008812.	3.5	46
157	Frequencies of Ty1-copia and Ty3-gypsy retroelements within the Triticeae EST databases. Theoretical and Applied Genetics, 2002, 104, 840-844.	3.6	45
158	Development of PCR markers for wheat leaf rust resistance gene Lr47. Theoretical and Applied Genetics, 2000, 101, 625-631.	3.6	43
159	Deletion Mapping of Homoeologous Group 6-Specific Wheat Expressed Sequence Tags. Genetics, 2004, 168, 677-686.	2.9	43
160	Night-Break Experiments Shed Light on the Photoperiod1-Mediated Flowering. Plant Physiology, 2017, 174, 1139-1150.	4.8	42
161	Mapping and characterization of wheat stem rustÂresistance genes SrTm5 and Sr60 from Triticum monococcum. Theoretical and Applied Genetics, 2018, 131, 625-635.	3.6	39
162	PCR identification of durum wheat BAC clones containing genes coding for carotenoid biosynthesis enzymes and their chromosome localization. Genome, 2004, 47, 911-917.	2.0	38

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163	Effect of allelic variation at the Glu-3/Gli-1 loci on breadmaking quality parameters in hexaploid wheat (Triticum aestivum L.). Journal of Cereal Science, 2015, 62, 143-150.	3.7	37
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