# Guihua Bai

List of Publications by Year
in descending order



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|---|---|---|---|
| 275 papers | 12,624 citations | 29994 54 h-index | 35952 97 g-index |
| 280 all docs | 280 docs citations | 280 times ranked | 7972 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. | 3.3 | 1,065 |
| 2 | MANAGEMENT AND RESISTANCE IN WHEAT AND BARLEY TO FUSARIUM HEAD BLIGHT. Annual Review of Phytopathology, 2004, 42, 135-161. | 3.5 | 734 |
| 3 | Parallel domestication of the Shattering1 genes in cereals. Nature Genetics, 2012, 44, 720-724. | 9.4 | 401 |
| 4 | Horizontal gene transfer of Fhb7 from fungus underlies Fusarium head blight resistance in wheat. Science, 2020, 368, . | 6.0 | 398 |
| 5 | Deoxynivalenol-nonproducing fusarium graminearum causes initial infection, but does not cause disease spread in wheat spikes. Mycopathologia, 2002, 153, 91-98. | 1.3 | 351 |
| 6 | Differentially expressed genes between drought-tolerant and drought-sensitive barley genotypes in response to drought stress during the reproductive stage. Journal of Experimental Botany, 2009, 60, 3531-3544. | 2.4 | 349 |
| 7 | Amplified Fragment Length Polymorphism Markers Linked to a Major Quantitative Trait Locus Controlling Scab Resistance in Wheat. Phytopathology, 1999, 89, 343-348. | 1.1 | 274 |
| 8 | A deletion mutation in TaHRC confers Fhb1 resistance to Fusarium head blight in wheat. Nature Genetics, 2019, 51, 1099-1105. | 9.4 | 258 |
| 9 | Quantitative trait loci for yield and related traits in the wheat population Ning7840ÂÃ—ÂClark. Theoretical and Applied Genetics, 2006, 112, 688-698. | 1.8 | 225 |
| 10 | Modeling and mapping QTL for senescence-related traits in winter wheat under high temperature. Molecular Breeding, 2010, 26, 163-175. | 1.0 | 177 |
| 11 | Genetic analysis of scab resistance QTL in wheat with microsatellite and AFLP markers. Genome, 2002, 45, 719-727. | 0.9 | 165 |
| 12 | Resistance to Fusarium head blight and deoxynivalenol accumulation in wheat. Plant Breeding, 2001, 120, 1-6. | 1.0 | 157 |
| 13 | Presence of tannins in sorghum grains is conditioned by different natural alleles of Tannin1. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10281-10286. | 3.3 | 156 |
| 14 | Cloning and Characterization of a Critical Regulator for Preharvest Sprouting in Wheat. Genetics, 2013, 195, 263-273. | 1.2 | 148 |
| 15 | Host Plant Resistance Genes for Fusarium Head Blight: Mapping and Manipulation with Molecular Markers. Crop Science, 2001, 41, 611-619. | 0.8 | 145 |
| 16 | Mapping QTLs for root traits in a recombinant inbred population from two indica ecotypes in rice. Theoretical and Applied Genetics, 2000, 101, 756-766. | 1.8 | 131 |
| 17 | High-Resolution Genome-wide Association Study Identifies Genomic Regions and Candidate Genes for Important Agronomic Traits in Wheat. Molecular Plant, 2020, 13, 1311-1327. | 3.9 | 130 |
| 18 | Genic and nongenic contributions to natural variation of quantitative traits in maize. Genome Research, 2012, 22, 2436-2444. | 2.4 | 125 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Genotyping-by-Sequencing (GBS) Revealed Molecular Genetic Diversity of Iranian Wheat Landraces and Cultivars. Frontiers in Plant Science, 2017, 8, 1293. | 1.7 | 125 |
| 20 | 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. | 1.8 | 118 |
| 21 | Increasing seed size and quality by manipulating BIG SEEDS1 in legume species. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12414-12419. | 3.3 | 117 |
| 22 | Validation of a major QTL for scab resistance with SSR markers and use of marker-assisted selection in wheat. Plant Breeding, 2003, 122, 40-46. | 1.0 | 115 |
| 23 | Inheritance of resistance to Fusarium graminearum in wheat. Theoretical and Applied Genetics, 2000, 100, 1-8. | 1.8 | 111 |
| 24 | Genetic Diversity, Population Structure, and Linkage Disequilibrium in U.S. Elite Winter Wheat. Plant Genome, 2010, 3, . | 1.6 | 103 |
| 25 | Fusarium graminearum-induced changes in gene expression between Fusarium head blight-resistant and susceptible wheat cultivars. Functional and Integrative Genomics, 2006, 7, 69-77. | 1.4 | 99 |
| 26 | Breeding wheat for resistance to Fusarium head blight in the Global North: China, USA, and Canada. Crop Journal, 2019, 7, 730-738. | 2.3 | 97 |
| 27 | Gene editing of the wheat homologs of <scp>TONNEAU</scp>1â€recruiting motif encoding gene affects grain shape and weight in wheat. Plant Journal, 2019, 100, 251-264. | 2.8 | 97 |
| 28 | Wheat resistance to Fusarium head blight. Canadian Journal of Plant Pathology, 2018, 40, 336-346. | 0.8 | 91 |
| 29 | Quantitative trait loci for resistance to pre-harvest sprouting in US hard white winter wheat Rio Blanco. Theoretical and Applied Genetics, 2008, 117, 691-699. | 1.8 | 88 |
| 30 | Association of candidate genes with drought tolerance traits in diverse perennial ryegrass accessions. Journal of Experimental Botany, 2013, 64, 1537-1551. | 2.4 | 83 |
| 31 | Genome-wide association analysis on pre-harvest sprouting resistance and grain color in U.S. winter wheat. BMC Genomics, 2016, 17, 794. | 1.2 | 83 |
| 32 | A major QTL controlling seed dormancy and pre-harvest sprouting resistance on chromosome 4A in a Chinese wheat landrace. Molecular Breeding, 2008, 21, 351-358. | 1.0 | 82 |
| 33 | Control of dissected leaf morphology by a Cys(2)His(2) zinc finger transcription factor in the model legume Medicago truncatula. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10754-10759. | 3.3 | 80 |
| 34 | The major threshability genes soft glume (sog) and tenacious glume (Tg), of diploid and polyploid wheat, trace their origin to independent mutations at non-orthologous loci. Theoretical and Applied Genetics, 2009, 119, 341-351. | 1.8 | 79 |
| 35 | Quantitative Trait Loci for Fusarium Head Blight Resistance in a Recombinant Inbred Population of Wangshuibai/Wheaton. Phytopathology, 2008, 98, 87-94. | 1.1 | 77 |
| 36 | Mapping quantitative trait loci for quality factors in an inter-class cross of US and Chinese wheat. Theoretical and Applied Genetics, 2010, 120, 1041-1051. | 1.8 | 77 |

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|---|---|---|---|
| 37 | Molecular mapping of a quantitative trait locus for aluminum tolerance in wheat cultivar Atlas 66. Theoretical and Applied Genetics, 2005, 112, 51-57. | 1.8 | 75 |
| 38 | Association Analysis of Stem Rust Resistance in U.S. Winter Wheat. PLoS ONE, 2014, 9, e103747. | 1.1 | 75 |
| 39 | QTL Mapping for Grain Yield, Flowering Time, and Stayâ€Green Traits in Sorghum with Genotypingâ€byâ€Sequencing Markers. Crop Science, 2016, 56, 1429-1442. | 0.8 | 73 |
| 40 | QTLs for Fusarium head blight response in a wheat DH population of Wangshuibai/Alondraâ€˜sâ€™. Euphytica, 2006, 146, 183-191. | 0.6 | 72 |
| 41 | Transcriptional analysis between two wheat near-isogenic lines contrasting in aluminum tolerance under aluminum stress. Molecular Genetics and Genomics, 2007, 277, 1-12. | 1.0 | 70 |
| 42 | Molecular characterization of Fusarium head blight resistance from wheat variety Wangshuibai. Euphytica, 2004, 139, 59-64. | 0.6 | 69 |
| 43 | Single nucleotide polymorphism in wheat chromosome region harboring Fhb1 for Fusarium head blight resistance. Molecular Breeding, 2012, 29, 477-488. | 1.0 | 69 |
| 44 | Identification of a novel gene, H34, in wheat using recombinant inbred lines and single nucleotide polymorphism markers. Theoretical and Applied Genetics, 2013, 126, 2065-2071. | 1.8 | 69 |
| 45 | Development and validation of diagnostic markers for Fhb1 region, a major QTL for Fusarium head blight resistance in wheat. Theoretical and Applied Genetics, 2018, 131, 2371-2380. | 1.8 | 69 |
| 46 | Allelic Variations of a Light Harvesting Chlorophyll A/B-Binding Protein Gene (Lhcb1) Associated with Agronomic Traits in Barley. PLoS ONE, 2012, 7, e37573. | 1.1 | 69 |
| 47 | Genotyping-by-sequencing (GBS) identified SNP tightly linked to QTL for pre-harvest sprouting resistance. Theoretical and Applied Genetics, 2015, 128, 1385-1395. | 1.8 | 66 |
| 48 | Molecular characterization of Fusarium head blight resistance in Wangshuibai with simple sequence repeat and amplified fragment length polymorphism markers. Genome, 2004, 47, 1137-1143. | 0.9 | 65 |
| 49 | Genetic Analyses of Chinese Cynodon Accessions by Flow Cytometry and AFLP Markers. Crop Science, 2006, 46, 917-926. | 0.8 | 62 |
| 50 | Quantitative trait loci for resistance to fusarium head blight and deoxynivalenol accumulation in Wangshuibai wheat under field conditions. Plant Pathology, 2006, 55, 739-745. | 1.2 | 61 |
| 51 | Novel quantitative trait loci (QTL) for Fusarium head blight resistance in wheat cultivar Chokwang. Theoretical and Applied Genetics, 2005, 111, 1571-1579. | 1.8 | 60 |
| 52 | Molecular Mapping of Stemâ€Rustâ€Resistance Gene Sr40 in Wheat. Crop Science, 2009, 49, 1681-1686. | 0.8 | 58 |
| 53 | Mapping and characterization of the new adult plant leaf rust resistance gene Lr77 derived from Santa Fe winter wheat. Theoretical and Applied Genetics, 2018, 131, 1553-1560. | 1.8 | 58 |
| 54 | Adult Plant Leaf Rust Resistance Derived from Toropi Wheat is Conditioned by Lr78 and Three Minor QTL. Phytopathology, 2018, 108, 246-253. | 1.1 | 58 |

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|---|---|---|---|
| 55 | Fine Mapping of the Wheat Leaf Rust Resistance Gene Lr42. International Journal of Molecular Sciences, 2019, 20, 2445. | 1.8 | 57 |
| 56 | Main Effects, Epistasis, and Environmental Interactions of Quantitative Trait Loci for Fusarium Head Blight Resistance in a Recombinant Inbred Population. Phytopathology, 2006, 96, 534-541. | 1.1 | 55 |
| 57 | Quantitative trait loci for aluminum resistance in Chinese wheat landrace FSW. Theoretical and Applied Genetics, 2008, 117, 49-56. | 1.8 | 55 |
| 58 | Molecular Markers Linked to Important Genes in Hard Winter Wheat. Crop Science, 2014, 54, 1304-1321. | 0.8 | 55 |
| 59 | Quantitative trait loci for aluminum resistance in wheat. Molecular Breeding, 2007, 19, 153-161. | 1.0 | 54 |
| 60 | Regulation of Compound Leaf Development in Medicago truncatula by Fused Compound Leaf1, a Class M KNOX Gene Â. Plant Cell, 2011, 23, 3929-3943. | 3.1 | 54 |
| 61 | Quantitative trait loci for resistance to fusarium head blight in a Chinese wheat landrace Haiyanzhong. Theoretical and Applied Genetics, 2011, 122, 1497-1502. | 1.8 | 54 |
| 62 | Integration of meta-QTL discovery with omics: Towards a molecular breeding platform for improving wheat resistance to Fusarium head blight. Crop Journal, 2021, 9, 739-749. | 2.3 | 54 |
| 63 | Genome-wide association study reveals genetic architecture of coleoptile length in wheat. Theoretical and Applied Genetics, 2017, 130, 391-401. | 1.8 | 52 |
| 64 | Imputation accuracy of wheat genotyping-by-sequencing (GBS) data using barley and wheat genome references. PLoS ONE, 2019, 14, e0208614. | 1.1 | 48 |
| 65 | Marker-assisted characterization of Asian wheat lines for resistance to Fusarium head blight. Theoretical and Applied Genetics, 2006, 113, 308-320. | 1.8 | 47 |
| 66 | Registration of â€˜Snowmassâ€™ Wheat. Journal of Plant Registrations, 2011, 5, 87-90. | 0.4 | 47 |
| 67 | Differentially Expressed Proteins Associated with Fusarium Head Blight Resistance in Wheat. PLoS ONE, 2013, 8, e82079. | 1.1 | 47 |
| 68 | A natural variation in Ribonuclease H-like gene underlies Rht8 to confer â€œGreen Revolutionâ€•trait in wheat. Molecular Plant, 2022, 15, 377-380. | 3.9 | 47 |
| 69 | Molecular Characterization of Slow Leafâ€Rusting Resistance in Wheat. Crop Science, 2005, 45, 758-765. | 0.8 | 46 |
| 70 | Mapping of QTLs prolonging the latent period of Puccinia triticina infection in wheat. Theoretical and Applied Genetics, 2005, 110, 244-251. | 1.8 | 44 |
| 71 | Genetic Relationships among Head Blight Resistant Cultivars of Wheat Assessed on the Basis of Molecular Markers. Crop Science, 2003, 43, 498. | 0.8 | 44 |
| 72 | Association analysis reveals effects of wheat glutenin alleles and rye translocations on dough-mixing properties. Journal of Cereal Science, 2009, 50, 283-290. | 1.8 | 43 |

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|---|---|---|---|
| 73 | Fusarium Head Blight Resistance in U.S. Winter Wheat Cultivars and Elite Breeding Lines. Crop Science, 2013, 53, 2006-2013. | 0.8 | 43 |
| 74 | Genetic diversity among synthetic hexaploid wheat accessions (Triticum aestivum) with resistance to several fungal diseases. Genetic Resources and Crop Evolution, 2016, 63, 1285-1296. | 0.8 | 43 |
| 75 | Single nucleotide polymorphism tightly linked to a major QTL on chromosome 7A for both kernel length and kernel weight in wheat. Molecular Breeding, 2016, 36, 1. | 1.0 | 42 |
| 76 | New Fusarium Head Blightâ€Resistant Sources from Asian Wheat Germplasm. Crop Science, 2008, 48, 1090-1097. | 0.8 | 41 |
| 77 | Fusarium-Damaged Kernels and Deoxynivalenol in Fusarium-Infected U.S. Winter Wheat. Phytopathology, 2014, 104, 472-478. | 1.1 | 41 |
| 78 | Allelochemicals targeted to balance competing selections in African agroecosystems. Nature Plants, 2019, 5, 1229-1236. | 4.7 | 41 |
| 79 | A novel quantitative trait locus for Fusarium head blight resistance in chromosome 7A of wheat. Theoretical and Applied Genetics, 2011, 122, 1189-1198. | 1.8 | 40 |
| 80 | Genetic Diversity and Population Structure of Elite Foxtail Millet [Setaria italica (L.) P. Beauv.] Germplasm in China. Crop Science, 2011, 51, 1655-1663. | 0.8 | 40 |
| 81 | Genomeâ€Wide Association Mapping Reveals Novel QTL for Seedling Leaf Rust Resistance in a Worldwide Collection of Winter Wheat. Plant Genome, 2016, 9, plantgenome2016.06.0051. | 1.6 | 40 |
| 82 | A genetic linkage map of tef [Eragrostis tef (Zucc.) Trotter] based on amplified fragment length polymorphism. Theoretical and Applied Genetics, 1999, 99, 599-604. | 1.8 | 39 |
| 83 | Registration of â€˜Ripperâ€™ Wheat. Journal of Plant Registrations, 2007, 1, 1-6. | 0.4 | 39 |
| 84 | Independent misâ€splicing mutations in Ta<scp>PHS</scp>1 causing loss ofÂpreharvest sprouting (<scp>PHS</scp>) resistance during wheat domestication. New Phytologist, 2015, 208, 928-935. | 3.5 | 39 |
| 85 | Genetic variations of HvP5CS1 and their association with drought tolerance related traits in barley (Hordeum vulgare L.). Scientific Reports, 2017, 7, 7870. | 1.6 | 39 |
| 86 | Covariation for Microsatellite Marker Alleles Associated with Rht8 and Coleoptile Length in Winter Wheat. Crop Science, 2004, 44, 1187-1194. | 0.8 | 38 |
| 87 | Registration of â€˜NE01643â€™ Wheat. Journal of Plant Registrations, 2008, 2, 36-42. | 0.4 | 38 |
| 88 | Candidate gene association mapping for winter survival and spring regrowth in perennial ryegrass. Plant Science, 2015, 235, 37-45. | 1.7 | 37 |
| 89 | Understanding the Genetic Basis of Spike Fertility to Improve Grain Number, Harvest Index, and Grain Yield in Wheat Under High Temperature Stress Environments. Frontiers in Plant Science, 2019, 10, 1481. | 1.7 | 37 |
| 90 | Association of simple sequence repeat (SSR) markers with submergence tolerance in diverse populations of perennial ryegrass. Plant Science, 2011, 180, 391-398. | 1.7 | 36 |

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|---|---|---|---|
| 91 | Precisely mapping a major gene conferring resistance to Hessian fly in bread wheat using genotyping-by-sequencing. BMC Genomics, 2015, 16, 108. | 1.2 | 36 |
| 92 | Development of EST-SSR markers in flowering Chinese cabbage (Brassica campestris L. ssp. chinensis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 1.1 | 36 |
| 93 | Thatcher wheat line RL6149 carries Lr64 and a second leaf rust resistance gene on chromosome 1DS. Theoretical and Applied Genetics, 2019, 132, 2809-2814. | 1.8 | 36 |
| 94 | Inheritance and Genetic Mapping of Russian Wheat Aphid Resistance in Iranian Wheat Landrace Accession PI 626580. Crop Science, 2012, 52, 676-682. | 0.8 | 35 |
| 95 | Whole-genome resequencing: changing the paradigms of SNP detection, molecular mapping and gene discovery. Molecular Breeding, 2015, 35, 1. | 1.0 | 35 |
| 96 | Discovery and mapping of single feature polymorphisms in wheat using Affymetrix arrays. BMC Genomics, 2009, 10, 251. | 1.2 | 34 |
| 97 | Identification and genetic mapping of the putative Thinopyrum intermedium-derived dominant powdery mildew resistance gene PmL962 on wheat chromosome arm 2BS. Theoretical and Applied Genetics, 2015, 128, 517-528. | 1.8 | 34 |
| 98 | Genetic Diversity, Population Structure, and Linkage Disequilibrium of Pearl Millet. Plant Genome, 2019, 12, 1-12. | 1.6 | 34 |
| 99 | Single nucleotide polymorphisms linked to quantitative trait loci for grain quality traits in wheat. Crop Journal, 2016, 4, 1-11. | 2.3 | 33 |
| 100 | Dissection and fine mapping of a major QTL for preharvest sprouting resistance in white wheat Rio Blanco. Theoretical and Applied Genetics, 2010, 121, 1395-1404. | 1.8 | 32 |
| 101 | Mapping Quantitative Trait Loci for Long Coleoptile in Chinese Wheat Landrace Wangshuibai. Crop Science, 2010, 50, 43-50. | 0.8 | 32 |
| 102 | Quantitative trait loci responsible for Fusarium head blight resistance in Chinese landrace Baishanyuehuang. Theoretical and Applied Genetics, 2012, 125, 495-502. | 1.8 | 32 |
| 103 | QTL mapping of pre-harvest sprouting resistance in a white wheat cultivar Danby. Theoretical and Applied Genetics, 2018, 131, 1683-1697. | 1.8 | 32 |
| 104 | Non-coding RNAs: Functional roles in the regulation of stress response in Brassica crops. Genomics, 2020, 112, 1419-1424. | 1.3 | 32 |
| 105 | Amplified Fragment Length Polymorphism Analysis of Tef [ Eragrostis tef (Zucc.) Trotter]. Crop Science, 1999, 39, 819-824. | 0.8 | 31 |
| 106 | AFLP and STS tagging of a major QTL for Fusarium head blight resistance in wheat. Theoretical and Applied Genetics, 2003, 106, 1011-1017. | 1.8 | 31 |
| 107 | Chromosome Size in Diploid Eukaryotic Species Centers on the Average Length with a Conserved Boundary. Molecular Biology and Evolution, 2011, 28, 1901-1911. | 3.5 | 31 |
| 108 | Quantitative trait loci for resistance to Fusarium head blight in the Chinese wheat landrace Huangfangzhu. Euphytica, 2012, 185, 93-102. | 0.6 | 31 |

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|---|---|---|---|
| 109 | Identification of two novel Hessian fly resistance genes H35 and H36 in a hard winter wheat line SD06165. Theoretical and Applied Genetics, 2020, 133, 2343-2353. | 1.8 | 31 |
| 110 | â€˜Dusterâ€™ Wheat: A Durable, Dualâ€Purpose Cultivar Adapted to the Southern Great Plains of the USA. Journal of Plant Registrations, 2012, 6, 37-48. | 0.4 | 30 |
| 111 | A High-Density SNP and SSR Consensus Map Reveals Segregation Distortion Regions in Wheat. BioMed Research International, 2015, 2015, 1-10. | 0.9 | 30 |
| 112 | Title is missing!. Euphytica, 2000, 112, 15-22. | 0.6 | 29 |
| 113 | Molecular markers for wheat leaf rust resistance gene Lr41. Molecular Breeding, 2009, 23, 311-321. | 1.0 | 29 |
| 114 | Lesion mimic associates with adult plant resistance to leaf rust infection in wheat. Theoretical and Applied Genetics, 2009, 119, 13-21. | 1.8 | 29 |
| 115 | Genome-wide Association Analysis of Powdery Mildew Resistance in U.S. Winter Wheat. Scientific Reports, 2017, 7, 11743. | 1.6 | 29 |
| 116 | Cloning of the broadly effective wheat leaf rust resistance gene Lr42 transferred from Aegilops tauschii. Nature Communications, 2022, 13, . | 5.8 | 29 |
| 117 | Quantitative Trait Loci for Aluminum Resistance in Wheat Cultivar Chinese Spring. Plant and Soil, 2006, 283, 239-249. | 1.8 | 28 |
| 118 | Using Next Generation Sequencing for Multiplexed Trait-Linked Markers in Wheat. PLoS ONE, 2015, 10, e0143890. | 1.1 | 28 |
| 119 | Single Nucleotide Polymorphisms in HSP17.8 and Their Association with Agronomic Traits in Barley. PLoS ONE, 2013, 8, e56816. | 1.1 | 27 |
| 120 | Quantitative Trait Loci for Fusarium Head Blight Resistance in Huangcandou Ã— â€˜Jaggerâ€™ Wheat Population. Crop Science, 2014, 54, 2520-2528. | 0.8 | 27 |
| 121 | Genome-wide association analysis identified SNPs closely linked to a gene resistant to Soil-borne wheat mosaic virus. Theoretical and Applied Genetics, 2014, 127, 1039-1047. | 1.8 | 27 |
| 122 | Identification of new sources of aluminum resistance in wheat. Plant and Soil, 2007, 297, 105-118. | 1.8 | 26 |
| 123 | Consensus Mapping and Identification of Markers for Markerâ€Assisted Selection of Wsm2 in Wheat. Crop Science, 2012, 52, 720-728. | 0.8 | 26 |
| 124 | The Lr46 Gene Conditions Partial Adultâ€•Plant Resistance to Stripe Rust, Stem Rust, and Powdery Mildew in Thatcher Wheat. Crop Science, 2015, 55, 2557-2565. | 0.8 | 26 |
| 125 | Single nucleotide polymorphism markers linked to QTL for wheat yield traits. Euphytica, 2015, 206, 89-101. | 0.6 | 26 |
| 126 | Multiple Minor QTLs Are Responsible for Fusarium Head Blight Resistance in Chinese Wheat Landrace Haiyanzhong. PLoS ONE, 2016, 11, e0163292. | 1.1 | 26 |

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|---|---|---|---|
| 127 | Mapping of Quantitative Trait Loci for Leaf Rust Resistance in the Wheat Population Ning7840 Ã— Clark. Plant Disease, 2017, 101, 1974-1979. | 0.7 | 26 |
| 128 | Meta-analysis of QTL for Fusarium head blight resistance in Chinese wheat landraces. Crop Journal, 2019, 7, 784-798. | 2.3 | 26 |
| 129 | Identification of conserved and novel miRNAs responsive to heat stress in flowering Chinese cabbage using high-throughput sequencing. Scientific Reports, 2019, 9, 14922. | 1.6 | 26 |
| 130 | Deletion of a Chromosome Arm Altered Wheat Resistance to Fusarium Head Blight and Deoxynivalenol Accumulation in Chinese Spring. Plant Disease, 2006, 90, 1545-1549. | 0.7 | 25 |
| 131 | Starch Waxiness in Hexaploid Wheat (Triticum aestivum L.) by NIR Reflectance Spectroscopy. Journal of Agricultural and Food Chemistry, 2011, 59, 4002-4008. | 2.4 | 25 |
| 132 | Development and Validation of KASP Markers for Wheat Streak Mosaic Virus Resistance Gene Wsm2. Crop Science, 2017, 57, 340-349. | 0.8 | 25 |
| 133 | Genetic Diversity of Cynodon transvaalensis Burtt-Davy and Its Relatedness to Hexaploid C. dactylon (L.) Pers. as Indicated by AFLP Markers. Crop Science, 2005, 45, 848-853. | 0.8 | 24 |
| 134 | Mapping of QTL for partial resistance to powdery mildew in two Chinese common wheat cultivars. Euphytica, 2020, 216, 1. | 0.6 | 24 |
| 135 | Genetic diversity in the U.S. hard red winter wheat cultivars as revealed by microsatellite markers. Crop and Pasture Science, 2009, 60, 16. | 0.7 | 23 |
| 136 | Quantitative Trait Loci for Resistance to Pyrenophora tritici-repentis Race 1 in a Chinese Wheat. Phytopathology, 2010, 100, 468-473. | 1.1 | 23 |
| 137 | Dissection of genetic components of preharvest sprouting resistance in white wheat. Molecular Breeding, 2011, 27, 511-523. | 1.0 | 23 |
| 138 | Mapping quantitative trait loci for plant adaptation and morphology traits in wheat using single nucleotide polymorphisms. Euphytica, 2016, 208, 299-312. | 0.6 | 23 |
| 139 | Assessing the genetic diversity and characterizing genomic regions conferring Tan Spot resistance in cultivated rye. PLoS ONE, 2019, 14, e0214519. | 1.1 | 23 |
| 140 | Identification of powdery mildew resistance loci in wheat by integrating genome-wide association study (GWAS) and linkage mapping. Crop Journal, 2019, 7, 294-306. | 2.3 | 23 |
| 141 | Development of Single Nucleotide Polymorphism Markers for the Wheat Curl Mite Resistance Gene Cmc4. Crop Science, 2019, 59, 1567-1575. | 0.8 | 23 |
| 142 | Development and optimization of a Barley stripe mosaic virusâ€mediated gene editing system to improve Fusarium head blight resistance in wheat. Plant Biotechnology Journal, 2022, 20, 1018-1020. | 4.1 | 23 |
| 143 | Molecular Mapping of Wheat Leaf Rust Resistance Gene Lr42. Crop Science, 2010, 50, 59-66. | 0.8 | 22 |
| 144 | Validation of quantitative trait loci for aluminum tolerance in Chinese wheat landrace FSW. Euphytica, 2013, 192, 171-179. | 0.6 | 21 |

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|---|---|---|---|
| 145 | Identification of Novel Powdery Mildew Resistance Sources in Wheat. Crop Science, 2016, 56, 1817-1830. | 0.8 | 21 |
| 146 | Comparative Analysis of miRNA Expression Profiles between Heat-Tolerant and Heat-Sensitive Genotypes of Flowering Chinese Cabbage Under Heat Stress Using High-Throughput Sequencing. Genes, 2020, 11, 264. | 1.0 | 21 |
| 147 | Quantitative Trait Loci for Fusarium Head Blight Resistance in U.S. Hard Winter Wheat Cultivar Heyne. Crop Science, 2012, 52, 1187-1194. | 0.8 | 20 |
| 148 | Registration of â€˜NE06545â€™ (Husker Genetics Brand Freeman) Hard Red Winter Wheat. Journal of Plant Registrations, 2014, 8, 279-284. | 0.4 | 20 |
| 149 | Fusarium head blight resistance loci in a stratified population of wheat landraces and varieties. Euphytica, 2016, 207, 551-561. | 0.6 | 20 |
| 150 | Registration of â€˜NH03614 CLâ€™ Wheat. Journal of Plant Registrations, 2011, 5, 75-80. | 0.4 | 19 |
| 151 | Registration of â€˜Byrdâ€™ Wheat. Journal of Plant Registrations, 2012, 6, 302-305. | 0.4 | 19 |
| 152 | Registration of â€˜Matternâ€™ Waxy (Amylose-free) Winter Wheat. Journal of Plant Registrations, 2014, 8, 43-48. | 0.4 | 19 |
| 153 | A QTL for early heading in wheat cultivar Suwon 92. Euphytica, 2006, 146, 233-237. | 0.6 | 18 |
| 154 | Diverse origins of aluminum-resistance sources in wheat. Theoretical and Applied Genetics, 2008, 118, 29-41. | 1.8 | 18 |
| 155 | Evaluation of genetic markers for prediction of preharvest sprouting tolerance in hard white winter wheats. Plant Breeding, 2013, 132, 359-366. | 1.0 | 18 |
| 156 | Validation of Molecular Markers for New Stem Rust Resistance Genes in U.S. Hard Winter Wheat. Crop Science, 2013, 53, 755-764. | 0.8 | 18 |
| 157 | Endâ€Use Quality and Agronomic Characteristics Associated with the Gluâ€B1al Highâ€Molecularâ€Weight Glutenin Allele in U.S. Hard Winter Wheat. Crop Science, 2016, 56, 2348-2353. | 0.8 | 18 |
| 158 | Pm223899, a new recessive powdery mildew resistance gene identified in Afghanistan landrace PI 223899. Theoretical and Applied Genetics, 2018, 131, 2775-2783. | 1.8 | 18 |
| 159 | Multiplex restriction amplicon sequencing: a novel nextâ€generation sequencingâ€based marker platform for highâ€throughput genotyping. Plant Biotechnology Journal, 2020, 18, 254-265. | 4.1 | 18 |
| 160 | Registration of â€˜Infinity CLâ€™ Wheat. Crop Science, 2006, 46, 975-977. | 0.8 | 16 |
| 161 | Resistance gene analogs associated with Fusarium head blight resistance in wheat. Euphytica, 2006, 151, 251-261. | 0.6 | 16 |
| 162 | Resistance to Tan Spot and Insensitivity to Ptr ToxA in Wheat. Crop Science, 2011, 51, 1059-1067. | 0.8 | 16 |

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|---|---|---|---|
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