

Shuyu Liu

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.

76
papers

1,233
citations

20
h-index

32
g-index

83
ext. papers

1,743
ext. citations

3.5
avg, IF

4.21
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 76 | Genomic variants affecting homoeologous gene expression dosage contribute to agronomic trait variation in allopolyploid wheat.. <i>Nature Communications</i> , 2022 , 13, 826 | 17.4 | 1 |
| 75 | A new strategy for using historical imbalanced yield data to conduct genome-wide association studies and develop genomic prediction models for wheat breeding. <i>Molecular Breeding</i> , 2022 , 42, 1 | 3.4 | |
| 74 | Genome-wide QTL mapping of yield and agronomic traits in two widely adapted winter wheat cultivars from multiple mega-environments.. <i>PeerJ</i> , 2021 , 9, e12350 | 3.1 | 2 |
| 73 | Population genomic analysis of <i>Aegilops tauschii</i> identifies targets for bread wheat improvement. <i>Nature Biotechnology</i> , 2021 , | 44.5 | 10 |
| 72 | Population genomics and haplotype analysis in spelt and bread wheat identifies a gene regulating glume color. <i>Communications Biology</i> , 2021 , 4, 375 | 6.7 | 3 |
| 71 | Function and evolution of allelic variations of Sr13 conferring resistance to stem rust in tetraploid wheat (<i>Triticum turgidum</i> L.). <i>Plant Journal</i> , 2021 , 106, 1674-1691 | 6.9 | 5 |
| 70 | Genetic dissection of end-use quality traits in two widely adapted wheat cultivars TAM 111 and TAM 112. <i>Crop Science</i> , 2021 , 61, 1944-1959 | 2.4 | 6 |
| 69 | Genomic selection of forage agronomic traits in winter wheat. <i>Crop Science</i> , 2021 , 61, 410-421 | 2.4 | 4 |
| 68 | Thermal imaging to evaluate wheat genotypes under dryland conditions 2021 , 4, e20152 | | 0 |
| 67 | Characterization of wheat curl mite resistance gene Cmc4 in OK05312. <i>Theoretical and Applied Genetics</i> , 2021 , 134, 993-1005 | 6 | 3 |
| 66 | RNA-seq analysis reveals different drought tolerance mechanisms in two broadly adapted wheat cultivars 'TAM 111' and 'TAM 112'. <i>Scientific Reports</i> , 2021 , 11, 4301 | 4.9 | 7 |
| 65 | Genetic Mapping of Quantitative Trait Loci for End-Use Quality and Grain Minerals in Hard Red Winter Wheat. <i>Agronomy</i> , 2021 , 11, 2519 | 3.6 | 3 |
| 64 | Genome wide identification of QTL associated with yield and yield components in two popular wheat cultivars TAM 111 and TAM 112. <i>PLoS ONE</i> , 2020 , 15, e0237293 | 3.7 | 6 |
| 63 | RhizoVision Crown: An Integrated Hardware and Software Platform for Root Crown Phenotyping. <i>Plant Phenomics</i> , 2020 , 2020, 3074916 | 7 | 32 |
| 62 | Soil water extraction and use by winter wheat cultivars under limited irrigation in a semi-arid environment. <i>Journal of Arid Environments</i> , 2020 , 174, 104046 | 2.5 | 7 |
| 61 | Comparison of TaqMan, KASP and rhAmp SNP genotyping platforms in hexaploid wheat. <i>PLoS ONE</i> , 2019 , 14, e0217222 | 3.7 | 29 |
| 60 | Using aerial imagery and digital photography to monitor growth and yield in winter wheat. <i>International Journal of Remote Sensing</i> , 2019 , 40, 6905-6929 | 3.1 | 3 |

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| 59 | Use of NDVI for characterizing winter wheat response to water stress in a semi-arid environment. <i>Journal of Crop Improvement</i> , 2019 , 33, 633-648 | 1.4 | 9 |
| 58 | Drought-Stress Tolerance in Wheat Seedlings Conferred by Phenazine-Producing Rhizobacteria. <i>Frontiers in Microbiology</i> , 2019 , 10, 1590 | 5.7 | 22 |
| 57 | Genomic Selection of Forage Quality Traits in Winter Wheat. <i>Crop Science</i> , 2019 , 59, 2473-2483 | 2.4 | 6 |
| 56 | ¶AM 204¶Wheat, Adapted to Grazing, Grain, and Graze-out Production Systems in the Southern High Plains. <i>Journal of Plant Registrations</i> , 2019 , 13, 377-382 | 0.7 | 3 |
| 55 | Genotype Imputation in Winter Wheat Using First-Generation Haplotype Map SNPs Improves Genome-Wide Association Mapping and Genomic Prediction of Traits. <i>G3: Genes, Genomes, Genetics</i> , 2019 , 9, 125-133 | 3.2 | 10 |
| 54 | Yield determination in winter wheat under different water regimes. <i>Field Crops Research</i> , 2019 , 233, 80-87 | 5.5 | 19 |
| 53 | Developing KASP Markers on a Major Stripe Rust Resistance QTL in a Popular Wheat TAM 111 Using 90K Array and Genotyping-by-Sequencing SNPs. <i>Crop Science</i> , 2019 , 59, 165-175 | 2.4 | 10 |
| 52 | Physiological responses to water stress and yield of winter wheat cultivars differing in drought tolerance. <i>Journal of Agronomy and Crop Science</i> , 2018 , 204, 347-358 | 3.9 | 17 |
| 51 | Canopy temperature depression at grain filling correlates to winter wheat yield in the U.S. Southern High Plains. <i>Field Crops Research</i> , 2018 , 217, 11-19 | 5.5 | 41 |
| 50 | ¶AM 114¶Wheat, Excellent Bread-Making Quality Hard Red Winter Wheat Cultivar Adapted to the Southern High Plains. <i>Journal of Plant Registrations</i> , 2018 , 12, 367-372 | 0.7 | 6 |
| 49 | Mapping and KASP marker development for wheat curl mite resistance in ¶AM 112¶wheat using linkage and association analysis. <i>Molecular Breeding</i> , 2018 , 38, 1 | 3.4 | 19 |
| 48 | Saturated Genetic Mapping of Wheat Streak Mosaic Virus Resistance Gene Wsm2 in Wheat. <i>Crop Science</i> , 2017 , 57, 332-339 | 2.4 | 9 |
| 47 | Wheat Curl Mite Resistance in Hard Winter Wheat in the US Great Plains. <i>Crop Science</i> , 2017 , 57, 53-61 | 2.4 | 13 |
| 46 | Development and Validation of KASP Markers for Wheat Streak Mosaic Virus Resistance Gene Wsm2. <i>Crop Science</i> , 2017 , 57, 340-349 | 2.4 | 16 |
| 45 | More Recent Wheat Cultivars Extract More Water from Greater Soil Profile Depths to Increase Yield in the Texas High Plains. <i>Agronomy Journal</i> , 2017 , 109, 2771-2780 | 2.2 | 12 |
| 44 | Mapping of quantitative trait loci for grain yield and its components in a US popular winter wheat TAM 111 using 90K SNPs. <i>PLoS ONE</i> , 2017 , 12, e0189669 | 3.7 | 30 |
| 43 | Development and validation of KASP markers for the greenbug resistance gene Gb7 and the Hessian fly resistance gene H32 in wheat. <i>Theoretical and Applied Genetics</i> , 2017 , 130, 1867-1884 | 6 | 42 |
| 42 | 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 |

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| 41 | Validation of Chromosomal Locations of 90K Array Single Nucleotide Polymorphisms in US Wheat. <i>Crop Science</i> , 2016 , 56, 364-373 | 2.4 | 23 |
| 40 | Spectral Reflectance Models for Characterizing Winter Wheat Genotypes. <i>Journal of Crop Improvement</i> , 2016 , 30, 176-195 | 1.4 | 6 |
| 39 | Characterization of Fusarium Head Blight Resistance and Deoxynivalenol Accumulation in Hulled and Hulless Winter Barley. <i>Plant Disease</i> , 2014 , 98, 599-606 | 1.5 | 12 |
| 38 | Physiology and transcriptomics of water-deficit stress responses in wheat cultivars TAM 111 and TAM 112. <i>Journal of Plant Physiology</i> , 2014 , 171, 1289-98 | 3.6 | 41 |
| 37 | Molecular Markers Linked to Important Genes in Hard Winter Wheat. <i>Crop Science</i> , 2014 , 54, 1304-1321 | 2.4 | 45 |
| 36 | Cooler Canopy Contributes to Higher Yield and Drought Tolerance in New Wheat Cultivars. <i>Crop Science</i> , 2014 , 54, 2275-2284 | 2.4 | 15 |
| 35 | Yield Determination and Water-Use Efficiency of Wheat under Water-Limited Conditions in the U.S. Southern High Plains. <i>Crop Science</i> , 2014 , 54, 34-47 | 2.4 | 61 |
| 34 | Molecular Mapping of Stripe Rust Resistance in Hard Red Winter Wheat TAM 111 Adapted to the U.S. High Plains. <i>Crop Science</i> , 2014 , 54, 1361-1373 | 2.4 | 29 |
| 33 | Mapping Net Blotch Resistance in Nominal and Clho 2291 Barley. <i>Crop Science</i> , 2014 , 54, 2596-2602 | 2.4 | 5 |
| 32 | Molecular characterization of field resistance to Fusarium head blight in two US soft red winter wheat cultivars. <i>Theoretical and Applied Genetics</i> , 2013 , 126, 2485-98 | 6 | 47 |
| 31 | Marker-trait associations in Virginia Tech winter barley identified using genome-wide mapping. <i>Theoretical and Applied Genetics</i> , 2013 , 126, 693-710 | 6 | 55 |
| 30 | Identification and mapping of adult-plant stripe rust resistance in soft red winter wheat cultivar USG 3555. <i>Plant Breeding</i> , 2013 , 132, 53-60 | 2.4 | 18 |
| 29 | Transcriptomics of induced defense responses to greenbug aphid feeding in near isogenic wheat lines. <i>Plant Science</i> , 2013 , 212, 26-36 | 5.3 | 22 |
| 28 | Identification and Mapping of Adult Plant Stripe Rust Resistance in Soft Red Winter Wheat VA00W-38. <i>Crop Science</i> , 2013 , 53, 871-879 | 2.4 | 14 |
| 27 | Registration of Eve Winter Hulless Barley. <i>Journal of Plant Registrations</i> , 2013 , 7, 5-11 | 0.7 | 1 |
| 26 | Registration of Fusarium Head Blight Resistant Soft Red Winter Wheat Germplasm VA04W-433 and VA04W-474. <i>Journal of Plant Registrations</i> , 2012 , 6, 111-116 | 0.7 | 5 |
| 25 | Molecular Characterization of Resistance to Fusarium Head Blight in U.S. Soft Red Winter Wheat Breeding Line VA00W-38. <i>Crop Science</i> , 2012 , 52, 2283-2292 | 2.4 | 23 |
| 24 | Resistance to Fusarium Head Blight and Deoxynivalenol Accumulation in Virginia Barley. <i>Plant Disease</i> , 2012 , 96, 279-284 | 1.5 | 17 |

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| 23 | Registration of Becker/Massey Wheat Recombinant Inbred Line Mapping Population. <i>Journal of Plant Registrations</i> , 2012 , 6, 358-362 | 0.7 | 2 |
| 22 | Registration of Merl Wheat. <i>Journal of Plant Registrations</i> , 2011 , 5, 68-74 | 0.7 | 1 |
| 21 | Registration of BW049029104 Wheat. <i>Journal of Plant Registrations</i> , 2011 , 5, 91-97 | 0.7 | 1 |
| 20 | Registration of Snowglenn Winter Durum Wheat. <i>Journal of Plant Registrations</i> , 2011 , 5, 81-86 | 0.7 | 2 |
| 19 | Registration of Dan Winter Hulless Barley. <i>Journal of Plant Registrations</i> , 2011 , 5, 1-4 | 0.7 | 7 |
| 18 | Registration of Vision 30 Wheat. <i>Journal of Plant Registrations</i> , 2011 , 5, 353-359 | 0.7 | 5 |
| 17 | Registration of Vision 40 Wheat. <i>Journal of Plant Registrations</i> , 2011 , 5, 360-366 | 0.7 | 3 |
| 16 | Registration of Jamestown Wheat. <i>Journal of Plant Registrations</i> , 2010 , 4, 28-33 | 0.7 | 17 |
| 15 | Construction of a BAC library and a physical map of a major QTL for CBB resistance of common bean (<i>Phaseolus vulgaris</i> L.). <i>Genetica</i> , 2010 , 138, 709-16 | 1.5 | 5 |
| 14 | Registration of Bhirley Wheat. <i>Journal of Plant Registrations</i> , 2010 , 4, 38-43 | 0.7 | 7 |
| 13 | Registration of USG 3209/Jaypee Wheat Recombinant Inbred Line Mapping Population. <i>Journal of Plant Registrations</i> , 2010 , 4, 159-162 | 0.7 | 3 |
| 12 | Registration of B434 Wheat. <i>Journal of Plant Registrations</i> , 2010 , 4, 44-49 | 0.7 | |
| 11 | Meta-Analysis of QTL Associated with Fusarium Head Blight Resistance in Wheat. <i>Crop Science</i> , 2009 , 49, 1955-1968 | 2.4 | 154 |
| 10 | Registration of B205 Wheat. <i>Journal of Plant Registrations</i> , 2009 , 3, 283-288 | 0.7 | 1 |
| 9 | Registration of USG 3555 Wheat. <i>Journal of Plant Registrations</i> , 2009 , 3, 273-278 | 0.7 | 5 |
| 8 | Quantitative Trait Loci Associated with Deoxynivalenol Content and Kernel Quality in the Soft Red Winter Wheat Ernie <i>Crop Science</i> , 2008 , 48, 1408-1418 | 2.4 | 20 |
| 7 | Development of STS markers and QTL validation for common bacterial blight resistance in common bean. <i>Plant Breeding</i> , 2007 , 127, 070807025605005-??? | 2.4 | 4 |
| 6 | QTL associated with Fusarium head blight resistance in the soft red winter wheat Ernie. <i>Theoretical and Applied Genetics</i> , 2007 , 115, 417-27 | 6 | 62 |

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| 5 | Inheritance of Fusarium head blight resistance in the soft red winter wheat Ernie. <i>Theoretical and Applied Genetics</i> , 2005 , 110, 454-61 | 6 | 25 |
| 4 | Genetic Variation in PI 294994 Wheat for Resistance to Russian Wheat Aphid. <i>Crop Science</i> , 1998 , 38, 527-530 | 2.4 | 26 |
| 3 | RhizoVision Crown: An Integrated Hardware and Software Platform for Root Crown Phenotyping | | 2 |
| 2 | Middle portion of the wheat culm remobilizes more carbon reserve to grains under drought. <i>Journal of Agronomy and Crop Science</i> , | 3.9 | 2 |
| 1 | Evolution of the bread wheat D-subgenome and enriching it with diversity from <i>Aegilops tauschii</i> | | 2 |