

Jesse A Poland

List of Publications by Year in descending order

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Version: 2024-02-01

180
papers

26,141
citations

17405

63
h-index

7496

151
g-index

197
all docs

197
docs citations

197
times ranked

18013
citing authors

#	ARTICLE	IF	CITATIONS
1	Population genomic analysis of <i>Aegilops tauschii</i> identifies targets for bread wheat improvement. <i>Nature Biotechnology</i> , 2022, 40, 422-431.	9.4	102
2	Bayesian multitrait kernel methods improve multienvironment genome-based prediction. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	8
3	Intercross: An Android app for plant breeding and genetics cross management. <i>Crop Science</i> , 2022, 62, 820-824.	0.8	1
4	Genetic characterization and curation of diploid A-genome wheat species. <i>Plant Physiology</i> , 2022, 188, 2101-2114.	2.3	13
5	Genome-Wide Association and Genomic Prediction for Stripe Rust Resistance in Synthetic-Derived Wheats. <i>Frontiers in Plant Science</i> , 2022, 13, 788593.	1.7	7
6	Genome-Wide Association Mapping Indicates Quantitative Genetic Control of Spot Blotch Resistance in Bread Wheat and the Favorable Effects of Some Spot Blotch Loci on Grain Yield. <i>Frontiers in Plant Science</i> , 2022, 13, 835095.	1.7	9
7	<i>Aegilops sharonensis</i> genome-assisted identification of stem rust resistance gene Sr62. <i>Nature Communications</i> , 2022, 13, 1607.	5.8	48
8	Applied phenomics and genomics for improving barley yellow dwarf resistance in winter wheat. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	1
9	Breedbase: a digital ecosystem for modern plant breeding. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	17
10	Genomic selection for spot blotch in bread wheat breeding panels, full-sibs and half-sibs and index-based selection for spot blotch, heading and plant height. <i>Theoretical and Applied Genetics</i> , 2022, , 1.	1.8	9
11	Accelerated Domestication of New Crops: Yield is Key. <i>Plant and Cell Physiology</i> , 2022, 63, 1624-1640.	1.5	16
12	Cloning of the broadly effective wheat leaf rust resistance gene Lr42 transferred from <i>Aegilops tauschii</i> . <i>Nature Communications</i> , 2022, 13, .	5.8	29
13	Evaluation of field-based single plant phenotyping for wheat breeding. <i>The Plant Phenome Journal</i> , 2022, 5, .	1.0	6
14	Genetic architecture and QTL selection response for <i>Kernza</i> perennial grain domestication traits. <i>Theoretical and Applied Genetics</i> , 2022, 135, 2769-2784.	1.8	4
15	The <i>Aegilops ventricosa</i> 2NvS segment in bread wheat: cytology, genomics and breeding. <i>Theoretical and Applied Genetics</i> , 2021, 134, 529-542.	1.8	48
16	De Novo Genome Assembly of the Japanese Wheat Cultivar Norin 61 Highlights Functional Variation in Flowering Time and Fusarium-Resistant Genes in East Asian Genotypes. <i>Plant and Cell Physiology</i> , 2021, 62, 8-27.	1.5	16
17	Prospector: A mobile application for portable, high-throughput near-infrared spectroscopy phenotyping. <i>The Plant Phenome Journal</i> , 2021, 4, e20024.	1.0	0
18	The Independent Domestication of <i>Timopheevâ€™s</i> Wheat: Insights from Haplotype Analysis of the Brittle rachis 1 (BTR1-A) Gene. <i>Genes</i> , 2021, 12, 338.	1.0	11

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19	Population genomics and haplotype analysis in spelt and bread wheat identifies a gene regulating glume color. <i>Communications Biology</i> , 2021, 4, 375.	2.0	11
20	Chromosome-scale genome assembly provides insights into rye biology, evolution and agronomic potential. <i>Nature Genetics</i> , 2021, 53, 564-573.	9.4	138
21	Genomic prediction enables rapid selection of high-performing genets in an intermediate wheatgrass breeding program. <i>Plant Genome</i> , 2021, 14, e20080.	1.6	21
22	Elucidating the genetics of grain yield and stress-resilience in bread wheat using a large-scale genome-wide association mapping study with 55,568 lines. <i>Scientific Reports</i> , 2021, 11, 5254.	1.6	11
23	Development of whole-genome prediction models to increase the rate of genetic gain in intermediate wheatgrass (<i>Thinopyrum intermedium</i>) breeding. <i>Plant Genome</i> , 2021, 14, e20089.	1.6	12
24	Elucidating SNP-based genetic diversity and population structure of advanced breeding lines of bread wheat (<i>Triticum aestivum</i> L.). <i>PeerJ</i> , 2021, 9, e11593.	0.9	5
25	Two gap-free reference genomes and a global view of the centromere architecture in rice. <i>Molecular Plant</i> , 2021, 14, 1757-1767.	3.9	133
26	Data-driven decentralized breeding increases prediction accuracy in a challenging crop production environment. <i>Communications Biology</i> , 2021, 4, 944.	2.0	20
27	Global Wheat Head Detection 2021: An Improved Dataset for Benchmarking Wheat Head Detection Methods. <i>Plant Phenomics</i> , 2021, 2021, 9846158.	2.5	60
28	Improving Wheat Yield Prediction Using Secondary Traits and High-Density Phenotyping Under Heat-Stressed Environments. <i>Frontiers in Plant Science</i> , 2021, 12, 633651.	1.7	8
29	Evaluations of Genomic Prediction and Identification of New Loci for Resistance to Stripe Rust Disease in Wheat (<i>Triticum aestivum</i> L.). <i>Frontiers in Genetics</i> , 2021, 12, 710485.	1.1	9
30	Experiences of Applying Field-Based High-Throughput Phenotyping for Wheat Breeding. <i>Concepts and Strategies in Plant Sciences</i> , 2021, , 71-99.	0.6	0
31	Increased Predictive Accuracy of Multi-Environment Genomic Prediction Model for Yield and Related Traits in Spring Wheat (<i>Triticum aestivum</i> L.). <i>Frontiers in Plant Science</i> , 2021, 12, 720123.	1.7	10
32	High molecular weight glutenin gene diversity in <i>Aegilops tauschii</i> demonstrates unique origin of superior wheat quality. <i>Communications Biology</i> , 2021, 4, 1242.	2.0	14
33	Accelerating wheat breeding for end-use quality through association mapping and multivariate genomic prediction. <i>Plant Genome</i> , 2021, 14, e20164.	1.6	12
34	Genomic Selection for Wheat Blast in a Diversity Panel, Breeding Panel and Full-Sibs Panel. <i>Frontiers in Plant Science</i> , 2021, 12, 745379.	1.7	13
35	Response to Early Generation Genomic Selection for Yield in Wheat. <i>Frontiers in Plant Science</i> , 2021, 12, 718611.	1.7	10
36	Improved Accuracy of High-Throughput Phenotyping From Unmanned Aerial Systems by Extracting Traits Directly From Orthorectified Images. <i>Frontiers in Plant Science</i> , 2020, 11, 587093.	1.7	12

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37	Genome-wide association mapping for wheat blast resistance in CIMMYT's international screening nurseries evaluated in Bolivia and Bangladesh. <i>Scientific Reports</i> , 2020, 10, 15972.	1.6	27
38	Aerial high-throughput phenotyping enables indirect selection for grain yield at the early generation, seed-limited stages in breeding programs. <i>Crop Science</i> , 2020, 60, 3096-3114.	0.8	31
39	Recurrent genomic selection for wheat grain fructans. <i>Crop Science</i> , 2020, 60, 1499-1512.	0.8	15
40	Multiple wheat genomes reveal global variation in modern breeding. <i>Nature</i> , 2020, 588, 277-283.	13.7	513
41	Haplotype-Based, Genome-Wide Association Study Reveals Stable Genomic Regions for Grain Yield in CIMMYT Spring Bread Wheat. <i>Frontiers in Genetics</i> , 2020, 11, 589490.	1.1	29
42	Sequenced-based paternity analysis to improve breeding and identify self-incompatibility loci in intermediate wheatgrass (<i>Thinopyrum intermedium</i>). <i>Theoretical and Applied Genetics</i> , 2020, 133, 3217-3233.	1.8	13
43	Retrospective Quantitative Genetic Analysis and Genomic Prediction of Global Wheat Yields. <i>Frontiers in Plant Science</i> , 2020, 11, 580136.	1.7	7
44	Genome-based prediction of multiple wheat quality traits in multiple years. <i>Plant Genome</i> , 2020, 13, e20034.	1.6	25
45	Genomic Selection for Grain Yield in the CIMMYT Wheat Breeding Program—Status and Perspectives. <i>Frontiers in Plant Science</i> , 2020, 11, 564183.	1.7	27
46	QTL mapping for stripe rust and powdery mildew resistance in <i>Triticum durum</i> – <i>Aegilops speltoides</i> backcross introgression lines. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2020, 18, 211-221.	0.4	6
47	Registration of Hessian fly-resistant germplasm KS18WGRC65 carrying <i>H26</i> in hard red winter wheat "Overlay" background. <i>Journal of Plant Registrations</i> , 2020, 14, 206-209.	0.4	2
48	Adaptive genetic potential and plasticity of trait variation in the foundation prairie grass <i>Andropogon gerardii</i> across the US Great Plains climate gradient: Implications for climate change and restoration. <i>Evolutionary Applications</i> , 2020, 13, 2333-2356.	1.5	12
49	Incorporating Genome-Wide Association Mapping Results Into Genomic Prediction Models for Grain Yield and Yield Stability in CIMMYT Spring Bread Wheat. <i>Frontiers in Plant Science</i> , 2020, 11, 197.	1.7	78
50	Implementing within-cross genomic prediction to reduce oat breeding costs. <i>Plant Genome</i> , 2020, 13, e20004.	1.6	11
51	Breeder friendly phenotyping. <i>Plant Science</i> , 2020, 295, 110396.	1.7	135
52	In-silico detection of aneuploidy and chromosomal deletions in wheat using genotyping-by-sequencing. <i>Plant Methods</i> , 2020, 16, 45.	1.9	2
53	Enhancing Crop Domestication Through Genomic Selection, a Case Study of Intermediate Wheatgrass. <i>Frontiers in Plant Science</i> , 2020, 11, 319.	1.7	28
54	New QTLs for Spot Blotch Disease Resistance in Wheat (<i>Triticum aestivum</i> L.) Using Genome-Wide Association Mapping. <i>Frontiers in Genetics</i> , 2020, 11, 613217.	1.1	24

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55	Multivariate Genomic Selection and Potential of Rapid Indirect Selection with Speed Breeding in Spring Wheat. <i>Crop Science</i> , 2019, 59, 1945-1959.	0.8	51
56	QTL Mapping of Fusarium Head Blight Resistance in Winter Wheat Cultivars "Art"™ and "Everest"™. <i>Crop Science</i> , 2019, 59, 911-924.	0.8	8
57	Genome-Wide Association Study for Multiple Biotic Stress Resistance in Synthetic Hexaploid Wheat. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3667.	1.8	31
58	Reference Genome Anchoring of High-Density Markers for Association Mapping and Genomic Prediction in European Winter Wheat. <i>Frontiers in Plant Science</i> , 2019, 10, 1278.	1.7	37
59	Production of a complete set of wheat-barley group-7 chromosome recombinants with increased grain β -glucan content. <i>Theoretical and Applied Genetics</i> , 2019, 132, 3129-3141.	1.8	18
60	Efficient curation of genebanks using next generation sequencing reveals substantial duplication of germplasm accessions. <i>Scientific Reports</i> , 2019, 9, 650.	1.6	79
61	Genome mapping of quantitative trait loci (QTL) controlling domestication traits of intermediate wheatgrass (<i>Thinopyrum intermedium</i>). <i>Theoretical and Applied Genetics</i> , 2019, 132, 2325-2351.	1.8	30
62	Reduced response diversity does not negatively impact wheat climate resilience. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10623-10624.	3.3	11
63	A TILLING Resource for Hard Red Winter Wheat Variety Jagger. <i>Crop Science</i> , 2019, 59, 1666-1671.	0.8	17
64	A Field-Based Analysis of Genetic Improvement for Grain Yield in Winter Wheat Cultivars Developed in the US Central Plains from 1992 to 2014. <i>Crop Science</i> , 2019, 59, 905-910.	0.8	26
65	Hyperspectral Reflectance-Derived Relationship Matrices for Genomic Prediction of Grain Yield in Wheat. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1231-1247.	0.8	96
66	High-Throughput Phenotyping Enabled Genetic Dissection of Crop Lodging in Wheat. <i>Frontiers in Plant Science</i> , 2019, 10, 394.	1.7	104
67	Genomic Analysis Confirms Population Structure and Identifies Inter-Lineage Hybrids in <i>Aegilops tauschii</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 9.	1.7	47
68	High-throughput phenotyping platforms enhance genomic selection for wheat grain yield across populations and cycles in early stage. <i>Theoretical and Applied Genetics</i> , 2019, 132, 1705-1720.	1.8	70
69	QTL mapping of Fusarium head blight resistance and deoxynivalenol accumulation in the Kansas wheat variety "Everest"™. <i>Molecular Breeding</i> , 2019, 39, 1.	1.0	15
70	Dense genotyping-by-sequencing linkage maps of two Synthetic W7984-Opata reference populations provide insights into wheat structural diversity. <i>Scientific Reports</i> , 2019, 9, 1793.	1.6	28
71	Genome-Wide Association Mapping of Grain Micronutrients Concentration in <i>Aegilops tauschii</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 54.	1.7	45
72	Joint Use of Genome, Pedigree, and Their Interaction with Environment for Predicting the Performance of Wheat Lines in New Environments. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2925-2934.	0.8	13

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73	Multivariate Genome-Wide Association Analyses Reveal the Genetic Basis of Seed Fatty Acid Composition in Oat (<i>Avena sativa</i>). <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2963-2975.	0.8	44
74	Improving grain yield, stress resilience and quality of bread wheat using large-scale genomics. <i>Nature Genetics</i> , 2019, 51, 1530-1539.	9.4	216
75	Local adaptation, genetic divergence, and experimental selection in a foundation grass across the US Great Plains climate gradient. <i>Global Change Biology</i> , 2019, 25, 850-868.	4.2	24
76	Integrating genomic-enabled prediction and high-throughput phenotyping in breeding for climate-resilient bread wheat. <i>Theoretical and Applied Genetics</i> , 2019, 132, 177-194.	1.8	78
77	Resistance gene cloning from a wild crop relative by sequence capture and association genetics. <i>Nature Biotechnology</i> , 2019, 37, 139-143.	9.4	280
78	High-throughput phenotyping with deep learning gives insight into the genetic architecture of flowering time in wheat. <i>GigaScience</i> , 2019, 8, .	3.3	28
79	Small plot identification from video streams for high-throughput phenotyping of large breeding populations with unmanned aerial systems. , 2019, , .		2
80	Molecular diversity and landscape genomics of the crop wild relative <i>Triticum urartu</i> across the Fertile Crescent. <i>Plant Journal</i> , 2018, 94, 670-684.	2.8	26
81	Genome-wide association mapping for resistance to leaf rust, stripe rust and tan spot in wheat reveals potential candidate genes. <i>Theoretical and Applied Genetics</i> , 2018, 131, 1405-1422.	1.8	101
82	Development of a complete set of wheat-barley group-7 Robertsonian translocation chromosomes conferring an increased content of β -glucan. <i>Theoretical and Applied Genetics</i> , 2018, 131, 377-388.	1.8	19
83	Registration of Two Wheat Germplasm Lines Fixed for Pm58. <i>Journal of Plant Registrations</i> , 2018, 12, 270-273.	0.4	3
84	Development and Evolution of an Intermediate Wheatgrass Domestication Program. <i>Sustainability</i> , 2018, 10, 1499.	1.6	89
85	Identification of quantitative trait loci conferring resistance to tan spot in a biparental population derived from two Nebraska hard red winter wheat cultivars. <i>Molecular Breeding</i> , 2018, 38, 1.	1.0	12
86	Breeding-assisted genomics: Applying meta-GWAS for milling and baking quality in CIMMYT wheat breeding program. <i>PLoS ONE</i> , 2018, 13, e0204757.	1.1	50
87	Prospects and Challenges of Applied Genomic Selection—A New Paradigm in Breeding for Grain Yield in Bread Wheat. <i>Plant Genome</i> , 2018, 11, 180017.	1.6	65
88	Genomic Analysis and Prediction within a US Public Collaborative Winter Wheat Regional Testing Nursery. <i>Plant Genome</i> , 2018, 11, 180004.	1.6	10
89	Genome-Wide Association Study Reveals Novel Genomic Regions Associated with 10 Grain Minerals in Synthetic Hexaploid Wheat. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3237.	1.8	72
90	Registration of a Bread Wheat Recombinant Inbred Line Mapping Population Derived from a Cross Between "Harry" and "Wesley". <i>Journal of Plant Registrations</i> , 2018, 12, 411-414.	0.4	6

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91	Genomic Selection in Preliminary Yield Trials in a Winter Wheat Breeding Program. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2735-2747.	0.8	74
92	Genome-Wide Association Study for Identification and Validation of Novel SNP Markers for Sr6 Stem Rust Resistance Gene in Bread Wheat. <i>Frontiers in Plant Science</i> , 2018, 9, 380.	1.7	68
93	Genetic Diversity and Population Structure of F3:6 Nebraska Winter Wheat Genotypes Using Genotyping-By-Sequencing. <i>Frontiers in Genetics</i> , 2018, 9, 76.	1.1	183
94	Field-based high-throughput phenotyping of plant height in sorghum using different sensing technologies. <i>Plant Methods</i> , 2018, 14, 53.	1.9	93
95	Combining High-Throughput Phenotyping and Genomic Information to Increase Prediction and Selection Accuracy in Wheat Breeding. <i>Plant Genome</i> , 2018, 11, 170043.	1.6	175
96	Shifting the limits in wheat research and breeding using a fully annotated reference genome. <i>Science</i> , 2018, 361, .	6.0	2,424
97	Unlocking the novel genetic diversity and population structure of synthetic Hexaploid wheat. <i>BMC Genomics</i> , 2018, 19, 591.	1.2	76
98	QTL mapping of pre-harvest sprouting resistance in a white wheat cultivar Danby. <i>Theoretical and Applied Genetics</i> , 2018, 131, 1683-1697.	1.8	32
99	Field-based high throughput phenotyping rapidly identifies genomic regions controlling yield components in rice. <i>Scientific Reports</i> , 2017, 7, 42839.	1.6	74
100	Genomic and pedigree-based prediction for leaf, stem, and stripe rust resistance in wheat. <i>Theoretical and Applied Genetics</i> , 2017, 130, 1415-1430.	1.8	99
101	A chromosome conformation capture ordered sequence of the barley genome. <i>Nature</i> , 2017, 544, 427-433.	13.7	1,365
102	Construction of a map-based reference genome sequence for barley, <i>Hordeum vulgare</i> L.. <i>Scientific Data</i> , 2017, 4, 170044.	2.4	130
103	Genomic Selection for Increased Yield in Synthetic-Derived Wheat. <i>Crop Science</i> , 2017, 57, 713-725.	0.8	16
104	Utilizing High-Throughput Phenotypic Data for Improved Phenotypic Selection of Stress-Adaptive Traits in Wheat. <i>Crop Science</i> , 2017, 57, 648-659.	0.8	34
105	Single-Step Genomic and Pedigree Genotype × Environment Interaction Models for Predicting Wheat Lines in International Environments. <i>Plant Genome</i> , 2017, 10, plantgenome2016.09.0089.	1.6	66
106	Strategies for Selecting Crosses Using Genomic Prediction in Two Wheat Breeding Programs. <i>Plant Genome</i> , 2017, 10, plantgenome2016.12.0128.	1.6	37
107	Genomic Selection for Small Grain Improvement. , 2017, , 99-130.		20
108	Genotyping-by-Sequencing Derived High-Density Linkage Map and its Application to QTL Mapping of Flag Leaf Traits in Bread Wheat. <i>Scientific Reports</i> , 2017, 7, 16394.	1.6	103

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109	Application of Geographically Weighted Regression to Improve Grain Yield Prediction from Unmanned Aerial System Imagery. <i>Crop Science</i> , 2017, 57, 2478-2489.	0.8	27
110	Improving Genomic Prediction for Pre-Harvest Sprouting Tolerance in Wheat by Weighting Large-Effect Quantitative Trait Loci. <i>Crop Science</i> , 2017, 57, 1315-1324.	0.8	22
111	Review Articles: The Black-Market of Scientific Currency. <i>Annals of the Entomological Society of America</i> , 2017, 110, 90-90.	1.3	2
112	Development of the first consensus genetic map of intermediate wheatgrass (<i>Thinopyrum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td	1.8	43
113	Genome-Wide Association Study of Grain Architecture in Wild Wheat <i>Aegilops tauschii</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 886.	1.7	114
114	Increasing Genomic-Enabled Prediction Accuracy by Modeling Genotype × Environment Interactions in Kansas Wheat. <i>Plant Genome</i> , 2017, 10, plantgenome2016.12.0130.	1.6	107
115	Comparison of Models and Whole-Genome Profiling Approaches for Genomic-Enabled Prediction of <i>Septoria Tritici Blotch</i> , <i>Stagonospora Nodorum Blotch</i> , and Tan Spot Resistance in Wheat. <i>Plant Genome</i> , 2017, 10, plantgenome2016.08.0082.	1.6	48
116	Multitrait, Random Regression, or Simple Repeatability Model in High-Throughput Phenotyping Data Improve Genomic Prediction for Wheat Grain Yield. <i>Plant Genome</i> , 2017, 10, plantgenome2016.11.0111.	1.6	138
117	Uncovering the Genetic Architecture of Seed Weight and Size in Intermediate Wheatgrass through Linkage and Association Mapping. <i>Plant Genome</i> , 2017, 10, plantgenome2017.03.0022.	1.6	26
118	Establishment and Optimization of Genomic Selection to Accelerate the Domestication and Improvement of Intermediate Wheatgrass. <i>Plant Genome</i> , 2016, 9, plantgenome2015.07.0059.	1.6	86
119	Mapping Four Quantitative Trait Loci Associated with Type I Fusarium Head Blight Resistance in Winter Wheat ‘INW0412’™. <i>Crop Science</i> , 2016, 56, 1163-1172.	0.8	2
120	A Pipeline Strategy for Grain Crop Domestication. <i>Crop Science</i> , 2016, 56, 917-930.	0.8	101
121	Quantifying variety-specific heat resistance and the potential for adaptation to climate change. <i>Global Change Biology</i> , 2016, 22, 2904-2912.	4.2	20
122	A whole-genome, radiation hybrid mapping resource of hexaploid wheat. <i>Plant Journal</i> , 2016, 86, 195-207.	2.8	23
123	Genomic Selection for Processing and End-Use Quality Traits in the CIMMYT Spring Bread Wheat Breeding Program. <i>Plant Genome</i> , 2016, 9, plantgenome2016.01.0005.	1.6	161
124	Canopy Temperature and Vegetation Indices from High-Throughput Phenotyping Improve Accuracy of Pedigree and Genomic Selection for Grain Yield in Wheat. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 2799-2808.	0.8	336
125	Genotype-by-sequencing facilitates genetic mapping of a stem rust resistance locus in <i>Aegilops umbellulata</i> , a wild relative of cultivated wheat. <i>BMC Genomics</i> , 2016, 17, 1039.	1.2	39
126	The quest for understanding phenotypic variation via integrated approaches in the field environment. <i>Plant Physiology</i> , 2016, 172, pp.00592.2016.	2.3	99

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127	Construction of a SNP and SSR linkage map in autotetraploid blueberry using genotyping by sequencing. <i>Molecular Breeding</i> , 2016, 36, 1.	1.0	63
128	Fine mapping of the stem rust resistance gene SrTA10187. <i>Theoretical and Applied Genetics</i> , 2016, 129, 2369-2378.	1.8	7
129	Advances and Challenges in Genomic Selection for Disease Resistance. <i>Annual Review of Phytopathology</i> , 2016, 54, 79-98.	3.5	143
130	Wheat quality improvement at CIMMYT and the use of genomic selection on it. <i>Applied & Translational Genomics</i> , 2016, 11, 3-8.	2.1	79
131	Application of unmanned aerial systems for high throughput phenotyping of large wheat breeding nurseries. <i>Plant Methods</i> , 2016, 12, 35.	1.9	200
132	A Consensus Map in Cultivated Hexaploid Oat Reveals Conserved Grass Synteny with Substantial Subgenome Rearrangement. <i>Plant Genome</i> , 2016, 9, plantgenome2015.10.0102.	1.6	85
133	Development and Deployment of a Portable Field Phenotyping Platform. <i>Crop Science</i> , 2016, 56, 965-975.	0.8	77
134	Genotyping-by-sequencing to remap QTL for type II Fusarium head blight and leaf rust resistance in a wheat tall wheatgrass introgression recombinant inbred population. <i>Molecular Breeding</i> , 2016, 36, 1.	1.0	7
135	Development of a field-based high-throughput mobile phenotyping platform. <i>Computers and Electronics in Agriculture</i> , 2016, 122, 74-85.	3.7	89
136	Genetic Mapping of Race-Specific Stem Rust Resistance in the Synthetic Hexaploid W7984 – Opata M85 Mapping Population. <i>Crop Science</i> , 2015, 55, 2580-2588.	0.8	30
137	Exploring the tertiary gene pool of bread wheat: sequence assembly and analysis of chromosome 5M ^g of <i>Aegilops geniculata</i> . <i>Plant Journal</i> , 2015, 84, 733-746.	2.8	48
138	Application of Population Sequencing (POPSEQ) for Ordering and Imputing Genotyping-by-Sequencing Markers in Hexaploid Wheat. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 2547-2553.	0.8	40
139	Genome-wide association mapping of agronomic traits and carbon isotope discrimination in a worldwide germplasm collection of spring wheat using SNP markers. <i>Molecular Breeding</i> , 2015, 35, 1.	1.0	43
140	Effect of cytoplasmic diversity on post anthesis heat tolerance in wheat. <i>Euphytica</i> , 2015, 204, 383-394.	0.6	11
141	Resistance to Gray Leaf Spot of Maize: Genetic Architecture and Mechanisms Elucidated through Nested Association Mapping and Near-Isogenic Line Analysis. <i>PLoS Genetics</i> , 2015, 11, e1005045.	1.5	86
142	Development of a 63K SNP Array for Cotton and High-Density Mapping of Intraspecific and Interspecific Populations of <i>Gossypium</i> spp.. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 1187-1209.	0.8	226
143	Genome-Wide Association Mapping for Leaf Tip Necrosis and Pseudo-black Chaff in Relation to Durable Rust Resistance in Wheat. <i>Plant Genome</i> , 2015, 8, eplantgenome2015.01.0002.	1.6	34
144	Training set optimization under population structure in genomic selection. <i>Theoretical and Applied Genetics</i> , 2015, 128, 145-158.	1.8	284

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145	Precisely mapping a major gene conferring resistance to Hessian fly in bread wheat using genotyping-by-sequencing. <i>BMC Genomics</i> , 2015, 16, 108.	1.2	36
146	Spiked GBS: a unified, open platform for single marker genotyping and whole-genome profiling. <i>BMC Genomics</i> , 2015, 16, 248.	1.2	19
147	A whole-genome shotgun approach for assembling and anchoring the hexaploid bread wheat genome. <i>Genome Biology</i> , 2015, 16, 26.	3.8	256
148	Breeding-assisted genomics. <i>Current Opinion in Plant Biology</i> , 2015, 24, 119-124.	3.5	69
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