

Teosinte ligule allele narrows plant architecture and en

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Using wild relatives to improve maize. <i>Science</i> , 2019, 365, 640-641.	6.0	10
2	Abscisic Acid Represses Rice Lamina Joint Inclination by Antagonizing Brassinosteroid Biosynthesis and Signaling. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4908.	1.8	18
3	Flag leaf size and posture of bread wheat: genetic dissection, QTL validation and their relationships with yield-related traits. <i>Theoretical and Applied Genetics</i> , 2020, 133, 297-315.	1.8	53
4	Genetic variation in <i>ZmTIP1</i> contributes to root hair elongation and drought tolerance in maize. <i>Plant Biotechnology Journal</i> , 2020, 18, 1271-1283.	4.1	85
5	<i>ZmLIL1</i> regulates leaf angle by directly affecting <i>liguleless1</i> expression in maize. <i>Plant Biotechnology Journal</i> , 2020, 18, 881-883.	4.1	30
6	<i>LIPA2</i> and <i>ZmRAVL1</i> : Promising targets of genetic improvement of maize plant architecture. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 394-397.	4.1	10
7	Evaluation of the contribution of teosinte to the improvement of agronomic, grain quality and yield traits in maize (<i>Zea mays</i>). <i>Plant Breeding</i> , 2020, 139, 589-599.	1.0	11
8	The Past, Present, and Future of Maize Improvement: Domestication, Genomics, and Functional Genomic Routes toward Crop Enhancement. <i>Plant Communications</i> , 2020, 1, 100010.	3.6	68
9	Leaf Angle eXtractor: A high-throughput image processing framework for leaf angle measurements in maize and sorghum. <i>Applications in Plant Sciences</i> , 2020, 8, e11385.	0.8	14
10	Spatiotemporal Resolved Leaf Angle Establishment Improves Rice Grain Yield via Controlling Population Density. <i>IScience</i> , 2020, 23, 101489.	1.9	9
11	Genome assembly of wild tea tree DASZ reveals pedigree and selection history of tea varieties. <i>Nature Communications</i> , 2020, 11, 3719.	5.8	108
12	Synergistic Interaction of Phytohormones in Determining Leaf Angle in Crops. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5052.	1.8	25
13	DROOPY LEAF1 controls leaf architecture by orchestrating early brassinosteroid signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21766-21774.	3.3	39
14	Phased diploid genome assemblies and pan-genomes provide insights into the genetic history of apple domestication. <i>Nature Genetics</i> , 2020, 52, 1423-1432.	9.4	168
15	Revisiting CRISPR/Cas-mediated crop improvement: Special focus on nutrition. <i>Journal of Biosciences</i> , 2020, 45, 1.	0.5	18
16	Root morphological and physiological characteristics in maize seedlings adapted to low iron stress. <i>PLoS ONE</i> , 2020, 15, e0239075.	1.1	7
17	Maize Introgression Library Provides Evidence for the Involvement of <i>liguleless1</i> in Resistance to Northern Leaf Blight. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 3611-3622.	0.8	17
18	Plant Domestication: Reconstructing the Route to Modern Tomatoes. <i>Current Biology</i> , 2020, 30, R359-R361.	1.8	10

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19	Combined physiological, transcriptome, and genetic analysis reveals a molecular network of nitrogen remobilization in maize. <i>Journal of Experimental Botany</i> , 2020, 71, 5061-5073.	2.4	11
20	The genetic architecture of the maize progenitor, teosinte, and how it was altered during maize domestication. <i>PLoS Genetics</i> , 2020, 16, e1008791.	1.5	27
21	Genetic dissection of husk number and length across multiple environments and fine-mapping of a major-effect QTL for husk number in maize (<i>Zea mays</i> L.). <i>Crop Journal</i> , 2020, 8, 1071-1080.	2.3	5
22	<i>Tripsazea</i> , a Novel Trihybrid of <i>Zea mays</i> , <i>Tripsacum dactyloides</i> , and <i>Zea perennis</i> . <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 839-848.	0.8	9
23	Expression of Three Related to ABI3/VP1 Genes in <i>Medicago truncatula</i> Caused Increased Stress Resistance and Branch Increase in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 611.	1.7	19
24	Toward a "Green Revolution" for Soybean. <i>Molecular Plant</i> , 2020, 13, 688-697.	3.9	162
25	Designed Manipulation of the Brassinosteroid Signal to Enhance Crop Yield. <i>Frontiers in Plant Science</i> , 2020, 11, 854.	1.7	16
26	Mapping regulatory variants controlling gene expression in drought response and tolerance in maize. <i>Genome Biology</i> , 2020, 21, 163.	3.8	76
27	How Crisp is CRISPR? CRISPR-Cas-mediated crop improvement with special focus on nutritional traits. , 2020, , 159-197.		5
28	<i>dlf1</i> promotes floral transition by directly activating <i>ZmMADS4</i> and <i>ZmMADS67</i> in the maize shoot apex. <i>New Phytologist</i> , 2020, 228, 1386-1400.	3.5	26
29	ZEAMAP, a Comprehensive Database Adapted to the Maize Multi-Omics Era. <i>IScience</i> , 2020, 23, 101241.	1.9	63
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32	Characterization of a major quantitative trait locus on the short arm of chromosome 4B for spike number per unit area in common wheat (<i>Triticum aestivum</i> L.). <i>Theoretical and Applied Genetics</i> , 2020, 133, 2259-2269.	1.8	12
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34	A novel plant growth regulator improves the grain yield of high-density maize crops by reducing stalk lodging and promoting a compact plant type. <i>Field Crops Research</i> , 2021, 260, 107982.	2.3	37
35	Designing future crops: challenges and strategies for sustainable agriculture. <i>Plant Journal</i> , 2021, 105, 1165-1178.	2.8	110
36	CLA4 regulates leaf angle through multiple hormone signaling pathways in maize. <i>Journal of Experimental Botany</i> , 2021, 72, 1782-1794.	2.4	12

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37	Network analyses identify a transcriptomic proximodistal prepattern in the maize leaf primordium. <i>New Phytologist</i> , 2021, 230, 218-227.	3.5	10
38	<i>Oryza sativa</i> <i>LIGULELESS 2s</i> determine lamina joint positioning and differentiation by inhibiting auxin signaling. <i>New Phytologist</i> , 2021, 229, 1832-1839.	3.5	7
39	Characterization and potential application of an α -amylase (BmAmy1) selected during silkworm domestication. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 1102-1112.	3.6	7
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42	Overexpression of <i>GmMYB14</i> improves high-density yield and drought tolerance of soybean through regulating plant architecture mediated by the brassinosteroid pathway. <i>Plant Biotechnology Journal</i> , 2021, 19, 702-716.	4.1	78
43	Increased planting density combined with reduced nitrogen rate to achieve high yield in maize. <i>Scientific Reports</i> , 2021, 11, 358.	1.6	25
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46	Modification of cereal plant architecture by genome editing to improve yields. <i>Plant Cell Reports</i> , 2021, 40, 953-978.	2.8	18
48	Developmental genetics of maize vegetative shoot architecture. <i>Molecular Breeding</i> , 2021, 41, 1.	1.0	8
49	Genome-wide Identification and Characterization of FCS-Like Zinc Finger (FLZ) Family Genes in Maize (<i>Zea mays</i>) and Functional Analysis of ZmFLZ25 in Plant Abscisic Acid Response. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3529.	1.8	14
50	Diversification of maize (<i>Zea mays</i> L.) through teosinte (<i>Zea mays</i> subsp. <i>parviglumis</i> Iltis & Doebley) allelic. <i>Genetic Resources and Crop Evolution</i> , 2021, 68, 2983-2995.	0.8	3
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58	Application of homobrassinolide enhances growth, yield and quality of tomato. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 4800-4806.	1.8	8
59	Genomic mapping and identification of candidate genes encoding nulliplex-branch trait in sea-island cotton (<i>Gossypium barbadense</i> L.) by multi-omics analysis. <i>Molecular Breeding</i> , 2021, 41, 1.	1.0	7
60	Leaf direction: Lamina joint development and environmental responses. <i>Plant, Cell and Environment</i> , 2021, 44, 2441-2454.	2.8	17
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80	A natural single nucleotide polymorphism variant in <i>sulfite reductase</i> influences sulfur assimilation in maize. <i>New Phytologist</i> , 2021, 232, 692-704.	3.5	2
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82	CRISPR/Cas9 mediated targeted mutagenesis of <i>LIGULELESS1</i> in sorghum provides a rapidly scorable phenotype by altering leaf inclination angle. <i>Biotechnology Journal</i> , 2021, 16, e2100237.	1.8	12
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123	Introgression of chromosome 1P from <i>Agropyron cristatum</i> reduces leaf size and plant height to improve the plant architecture of common wheat. <i>Theoretical and Applied Genetics</i> , 2022, 135, 1951-1963.	1.8	11
124	3D reconstruction identifies loci linked to variation in angle of individual sorghum leaves. <i>PeerJ</i> , 2021, 9, e12628.	0.9	4
125	Genomic Design for Abiotic Stress Resistance in Pigeonpea. , 2022, , 169-248.		2
126	Identification of Quantitative Trait Loci Associated With Iron Deficiency Tolerance in Maize. <i>Frontiers in Plant Science</i> , 2022, 13, 805247.	1.7	3
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132	A lineage-specific arginine in <i>POS1</i> is required for fruit size control in <i>Physaleae</i> (Solanaceae) via gene co-option. <i>Plant Journal</i> , 2022, 111, 183-204.	2.8	3
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134	Major gene with polygene inheritance analysis of shoot architecture traits in <i>Viola cornuta</i> . <i>Scientia Horticulturae</i> , 2022, 303, 111204.	1.7	0
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162	<sc> ZmCCT10 </sc> delayed photoperiod sensitivity regulates natural variation in the arithmetical formation of male germinal cells in maize. <i>New Phytologist</i> , 0, .	3.5	1
163	Natural variation and domestication selection of ZmSULTR3;4 is associated with maize lateral root length in response to salt stress. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
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