Baohui Liu

List of Publications by Year
in descending order

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85 papers	5,553 citations	87723 38 h-index	88477 70 g-index
85 all docs	85 docs citations	85 times ranked	3077 citing authors

#	Article	IF	Citations
1	Progress in soybean functional genomics over the past decade. Plant Biotechnology Journal, 2022, 20, 256-282.	4.1	76
2	Parallel selection of distinct Tof5 alleles drove the adaptation of cultivated and wild soybean to high latitudes. Molecular Plant, 2022, 15, 308-321.	3.9	48
3	Regulation of flowering and maturation in soybean. Advances in Botanical Research, 2022, , .	0.5	4
4	Genome-Wide Analysis of DREB Genes Identifies a Novel Salt Tolerance Gene in Wild Soybean (Glycine) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.7	11
5	A functionally divergent SOC1 homolog improves soybean yield and latitudinal adaptation. Current Biology, 2022, 32, 1728-1742.e6.	1.8	46
6	A polygalacturonase gene PG031 regulates seed coat permeability with a pleiotropic effect on seed weight in soybean. Theoretical and Applied Genetics, 2022, 135, 1603-1618.	1.8	9
7	CALCIUM-DEPENDENT PROTEIN KINASE38 regulates flowering time and common cutworm resistance in soybean. Plant Physiology, 2022, 190, 480-499.	2.3	20
8	Current overview on the genetic basis of key genes involved in soybean domestication. ABIOTECH, 2022, 3, 126-139.	1.8	3
9	Molecular mechanisms for the photoperiodic regulation of flowering in soybean. Journal of Integrative Plant Biology, 2021, 63, 981-994.	4.1	107
10	A recent retrotransposon insertion of J caused E6 locus facilitating soybean adaptation into low latitude. Journal of Integrative Plant Biology, 2021, 63, 995-1003.	4.1	32
11	Modulation of nitrate-induced phosphate response by the MYB transcription factor RLI1/HINGE1 in the nucleus. Molecular Plant, 2021, 14, 517-529.	3.9	22
12	Multiplex CRISPR/Cas9-mediated knockout of soybean LNK2 advances flowering time. Crop Journal, 2021, 9, 767-776.	2.3	25
13	Two homologous LHY pairs negatively control soybean drought tolerance by repressing the abscisic acid responses. New Phytologist, 2021, 229, 2660-2675.	3.5	61
14	A critical role of the soybean evening complex in the control of photoperiod sensitivity and adaptation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	75
15	FT5a interferes with the Dt1â€AP1 feedback loop to control flowering time and shoot determinacy in soybean. Journal of Integrative Plant Biology, 2021, 63, 1004-1020.	4.1	37
16	Cotranscriptional and Posttranscriptional Features of the Transcriptome in Soybean Shoot Apex and Leaf. Frontiers in Plant Science, 2021, 12, 649634.	1.7	6
17	A flowering time locus dependent on E2 in soybean. Molecular Breeding, 2021, 41, 1.	1.0	3
18	Oil crops: From the classical traits to genetic improvement. Journal of Integrative Plant Biology, 2021, 63, 979-980.	4.1	2

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19	Natural variation and artificial selection of photoperiodic flowering genes and their applications in crop adaptation. ABIOTECH, 2021, 2, 156-169.	1.8	23
20	Natural variation of the Dt2 promoter controls plant height and node number in semi-determinant soybean. Molecular Breeding, 2021, 41, 1.	1.0	4
21	MS1 is essential for male fertility by regulating the microsporocyte cell plate expansion in soybean. Science China Life Sciences, 2021, 64, 1533-1545.	2.3	17
22	Rapid excavating a FLOWERING LOCUS T-regulator NF-YA using genotyping-by-sequencing. Molecular Breeding, 2021, 41, 1.	1.0	0
23	Overcoming the genetic compensation response of soybean florigens to improve adaptation and yield at low latitudes. Current Biology, 2021, 31, 3755-3767.e4.	1.8	42
24	Genetic basis and adaptation trajectory of soybean from its temperate origin to tropics. Nature Communications, 2021, 12, 5445.	5.8	64
25	The legume-specific transcription factor E1 controls leaf morphology in soybean. BMC Plant Biology, 2021, 21, 531.	1.6	8
26	PPR20 Is Required for the cis-Splicing of Mitochondrial nad2 Intron 3 and Seed Development in Maize. Plant and Cell Physiology, 2020, 61, 370-380.	1.5	29
27	Lightâ€•and temperatureâ€entrainable circadian clock in soybean development. Plant, Cell and Environment, 2020, 43, 637-648.	2.8	52
28	SUMO E3 Ligase SIZ1 stabilizes MYB75 to regulate anthocyanin accumulation under high light conditions in Arabidopsis. Plant Science, 2020, 292, 110355.	1.7	28
29	Identification of major QTLs for flowering and maturity in soybean by genotyping-by-sequencing analysis. Molecular Breeding, 2020, 40, 1.	1.0	6
30	Genome-wide association study for soybean mosaic virus SC3 resistance in soybean. Molecular Breeding, 2020, 40, 1.	1.0	13
31	Molecular breeding of a high oleic acid soybean line by integrating natural variations. Molecular Breeding, 2020, 40, 1.	1.0	8
32	A Soybean Deletion Mutant That Moderates the Repression of Flowering by Cool Temperatures. Frontiers in Plant Science, 2020, 11, 429.	1.7	9
33	The Soybean Gene J Contributes to Salt Stress Tolerance by Up-Regulating Salt-Responsive Genes. Frontiers in Plant Science, 2020, 11, 272.	1.7	36
34	Stepwise selection on homeologous PRR genes controlling flowering and maturity during soybean domestication. Nature Genetics, 2020, 52, 428-436.	9.4	229
35	Soybean AP1 homologs control flowering time and plant height. Journal of Integrative Plant Biology, 2020, 62, 1868-1879.	4.1	74
36	Genome-Wide DNA Methylation Analysis of Soybean Curled-Cotyledons Mutant and Functional Evaluation of a Homeodomain-Leucine Zipper (HD-Zip) I Gene GmHDZ20. Frontiers in Plant Science, 2020, 11, 593999.	1.7	4

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37	Perspectives on the Application of Genome-Editing Technologies in Crop Breeding. Molecular Plant, 2019, 12, 1047-1059.	3.9	118
38	Involvement of Lhcb6 and Lhcb5 in Photosynthesis Regulation in Physcomitrella patens Response to Abiotic Stress. International Journal of Molecular Sciences, 2019, 20, 3665.	1.8	12
39	Structural features of the aleurone layer of the seed coat associated with imbibition injury in soybean. Breeding Science, 2019, 69, 364-370.	0.9	7
40	A Functional Alternative Oxidase Modulates Plant Salt Tolerance in Physcomitrella patens. Plant and Cell Physiology, 2019, 60, 1829-1841.	1.5	8
41	Rapid identification of consistent novel QTLs underlying long-juvenile trait in soybean by multiple genetic populations and genotyping-by-sequencing. Molecular Breeding, 2019, 39, 1.	1.0	16
42	A new dominant locus, E11, controls early flowering time and maturity in soybean. Molecular Breeding, 2019, 39, 1.	1.0	56
43	Functional divergence between soybean FLOWERING LOCUS T orthologues FT2a and FT5a in post-flowering stem growth. Journal of Experimental Botany, 2019, 70, 3941-3953.	2.4	35
44	CRISPR/Cas9-mediated targeted mutagenesis of GmSPL9 genes alters plant architecture in soybean. BMC Plant Biology, 2019, 19, 131.	1.6	119
45	CRISPR/Cas9-mediated targeted mutagenesis of GmLHY genes alters plant height and internode length in soybean. BMC Plant Biology, 2019, 19, 562.	1.6	98
46	Characterization and quantitative trait locus mapping of late-flowering from a Thai soybean cultivar introduced into a photoperiod-insensitive genetic background. PLoS ONE, 2019, 14, e0226116.	1.1	20
47	Genetic improvement of the shoot architecture and yield in soya bean plants via the manipulation of GmmiR156b. Plant Biotechnology Journal, 2019, 17, 50-62.	4.1	78
48	Title is missing!. , 2019, 14, e0226116.		0
49	Title is missing!. , 2019, 14, e0226116.		0
50	Title is missing!. , 2019, 14, e0226116.		0
51	Title is missing!. , 2019, 14, e0226116.		0
52	Adaptive Mechanisms of Soybean Grown on Saltâ€Affected Soils. Land Degradation and Development, 2018, 29, 1054-1064.	1.8	63
53	Parallel selection on a dormancy gene during domestication of crops from multiple families. Nature Genetics, 2018, 50, 1435-1441.	9.4	168
54	Quantitative trait loci mapping of Meloidogyne incognita and M.Âhapla resistance in a recombinant inbred line population of soybean. Nematology, 2018, 20, 525-537.	0.2	4

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55	Quantitative Trait Locus Mapping of Flowering Time and Maturity in Soybean Using Next-Generation Sequencing-Based Analysis. Frontiers in Plant Science, 2018, 9, 995.	1.7	57
56	Loss of Function of the E1-Like-b Gene Associates With Early Flowering Under Long-Day Conditions in Soybean. Frontiers in Plant Science, 2018, 9, 1867.	1.7	31
57	Molecular mechanisms of flowering under long days and stem growth habit in soybean. Journal of Experimental Botany, 2017, 68, erw394.	2.4	72
58	Natural variation at the soybean J locus improves adaptation to the tropics and enhances yield. Nature Genetics, 2017, 49, 773-779.	9.4	341
59	Overexpression of GmFDL19 enhances tolerance to drought and salt stresses in soybean. PLoS ONE, 2017, 12, e0179554.	1.1	69
60	Genome-wide association studies dissect the genetic networks underlying agronomical traits in soybean. Genome Biology, 2017, 18, 161.	3.8	363
61	Quantitative Trait Locus Mapping of Soybean Maturity Gene E6. Crop Science, 2017, 57, 2547-2554.	0.8	29
62	InDel marker detection by integration of multiple softwares using machine learning techniques. BMC Bioinformatics, 2016, 17, 548.	1.2	8
63	A Global Analysis of the Polygalacturonase Gene Family in Soybean (Glycine max). PLoS ONE, 2016, 11, e0163012.	1.1	17
64	A soybean quantitative trait locus that promotes flowering under long days is identified asFT5a, aFLOWERING LOCUS Tortholog. Journal of Experimental Botany, 2016, 67, 5247-5258.	2.4	83
65	A recessive allele for delayed flowering at the soybean maturity locus E9 is a leaky allele of FT2a, a FLOWERING LOCUS T ortholog. BMC Plant Biology, 2016, 16, 20.	1.6	159
66	Dual functions of GmTOE4a in the regulation of photoperiod-mediated flowering and plant morphology in soybean. Plant Molecular Biology, 2015, 88, 343-355.	2.0	29
67	QTLMiner: QTL database curation by mining tables in literature. Bioinformatics, 2015, 31, 1689-1691.	1.8	8
68	PopGeV: a web-based large-scale population genome browser: Fig. 1.. Bioinformatics, 2015, 31, 3048-3050.	1.8	3
69	QTL mapping for flowering time in different latitude in soybean. Euphytica, 2015, 206, 725-736.	0.6	27
70	GmCOL1aandGmCOL1bFunction as Flowering Repressors in Soybean Under Long-Day Conditions. Plant and Cell Physiology, 2015, 56, 2409-2422.	1.5	73
71	The Soybean-Specific Maturity Gene E1 Family of Floral Repressors Controls Night-Break Responses through Down-Regulation of FLOWERING LOCUS T Orthologs Â. Plant Physiology, 2015, 168, 1735-1746.	2.3	87
72	GmmiR156b overexpression delays flowering time in soybean. Plant Molecular Biology, 2015, 89, 353-363.	2.0	49

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73	A Single-Nucleotide Polymorphism in an Endo-1,4-Î²-Glucanase Gene Controls Seed Coat Permeability in Soybean. PLoS ONE, 2015, 10, e0128527.	1.1	35
74	GmFT4, a Homolog of FLOWERING LOCUS T, Is Positively Regulated by E1 and Functions as a Flowering Repressor in Soybean. PLoS ONE, 2014, 9, e89030.	1.1	115
75	GmFT2a and GmFT5a Redundantly and Differentially Regulate Flowering through Interaction with and Upregulation of the bZIP Transcription Factor GmFDL19 in Soybean. PLoS ONE, 2014, 9, e97669.	1.1	117
76	Allelic Combinations of Soybean Maturity Loci E1, E2, E3 and E4 Result in Diversity of Maturity and Adaptation to Different Latitudes. PLoS ONE, 2014, 9, e106042.	1.1	103
77	A New Dominant Gene E9 Conditions Early Flowering and Maturity in Soybean. Crop Science, 2014, 54, 2529-2535.	0.8	173
78	Genetic variation in four maturity genes affects photoperiod insensitivity and PHYA-regulated post-flowering responses of soybean. BMC Plant Biology, 2013, 13, 91.	1.6	182
79	Genetic Variation in Soybean at the Maturity Locus E4 Is Involved in Adaptation to Long Days at High Latitudes. Agronomy, 2013, 3, 117-134.	1.3	86
80	Molecular identification of genes controlling flowering time, maturity, and photoperiod response in soybean. Plant Systematics and Evolution, 2012, 298, 1217-1227.	0.3	61
81	The Soybean Stem Growth Habit Gene Dt1 Is an Ortholog of Arabidopsis TERMINAL FLOWER1 Â Â Â. Plant Physiology, 2010, 153, 198-210.	2.3	252
82	QTL Mapping for Photoperiod Insensitivity of a Japanese Soybean Landrace Sakamotowase. Journal of Heredity, 2010, 101, 251-256.	1.0	51
83	Two Coordinately Regulated Homologs of FLOWERING LOCUS T Are Involved in the Control of Photoperiodic Flowering in Soybean. Plant Physiology, 2010, 154, 1220-1231.	2.3	298
84	Genetic Redundancy in Soybean Photoresponses Associated With Duplication of the Phytochrome A Gene. Genetics, 2008, 180, 995-1007.	1.2	335
85	QTL Mapping of Domestication-related Traits in Soybean (Glycine max). Annals of Botany, 2007, 100, 1027-1038.	1.4	205