Guangming He

List of Publications by Year
in descending order

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20 papers	2,242 citations	516710 16 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	2933 citing authors

#	Article	IF	Citations
1	From hybrid genomes to heterotic trait output: Challenges and opportunities. Current Opinion in Plant Biology, 2022, 66, 102193.	7.1	29
2	Natural variation in the transcription factor REPLUMLESS contributes to both disease resistance and plant growth in Arabidopsis. Plant Communications, 2022, 3, 100351.	7.7	4
3	A central circadian oscillator confers defense heterosis in hybrids without growth vigor costs. Nature Communications, 2021, 12, 2317.	12.8	18
4	Biological pathway expression complementation contributes to biomass heterosis in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	38
5	Divergent selection and genetic introgression shape the genome landscape of heterosis in hybrid rice. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4623-4631.	7.1	46
6	CRISPR/Cas9-mediated disruption of TaNP1 genes results in complete male sterility in bread wheat. Journal of Genetics and Genomics, 2020, 47, 263-272.	3.9	58
7	Cisâ€regulated alternative splicing divergence and its potential contribution to environmental responses in Arabidopsis. Plant Journal, 2019, 97, 555-570.	5.7	33
8	A new regulator of seed size control in Arabidopsis identified by a genomeâ€wide association study. New Phytologist, 2019, 222, 895-906.	7.3	34
9	Transcriptomic analyses reveal molecular mechanisms underlying growth heterosis and weakness of rubber tree seedlings. BMC Plant Biology, 2018, 18, 10.	3.6	16
10	Genomic architecture of biomass heterosis in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8101-8106.	7.1	73
11	Natural variation of H3K27me3 modification in two Arabidopsis accessions and their hybrid. Journal of Integrative Plant Biology, 2016, 58, 466-474.	8.5	17
12	Transcriptome analyses reveal molecular mechanism underlying tapping panel dryness of rubber tree (Hevea brasiliensis). Scientific Reports, 2016, 6, 23540.	3.3	35
13	Salicylic acid biosynthesis is enhanced and contributes to increased biotrophic pathogen resistance in Arabidopsis hybrids. Nature Communications, 2015, 6, 7309.	12.8	93
14	Arabidopsis noncoding RNA mediates control of photomorphogenesis by red light. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10359-10364.	7.1	317
15	Conservation and divergence of transcriptomic and epigenomic variation in maize hybrids. Genome Biology, 2013, 14, R57.	8.8	117
16	Epigenetic Variations in Plant Hybrids and Their Potential Roles in Heterosis. Journal of Genetics and Genomics, 2013, 40, 205-210.	3.9	39
17	Genome-Wide Analysis of DNA Methylation and Gene Expression Changes in Two Arabidopsis Ecotypes and Their Reciprocal Hybrids. Plant Cell, 2012, 24, 875-892.	6.6	297
18	The Epigenome and Plant Development. Annual Review of Plant Biology, 2011, 62, 411-435.	18.7	172

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19	Global Epigenetic and Transcriptional Trends among Two Rice Subspecies and Their Reciprocal Hybrids. Plant Cell, 2010, 22, 17-33.	6.6	514
20	Genome-Wide and Organ-Specific Landscapes of Epigenetic Modifications and Their Relationships to mRNA and Small RNA Transcriptomes in Maize. Plant Cell, 2009, 21, 1053-1069.	6.6	291