

Ai Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

645
citations

687363

13
h-index

839539

18
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18
all docs

18
docs citations

18
times ranked

979
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-wide Hi-C analysis reveals extensive hierarchical chromatin interactions in rice. <i>Plant Journal</i> , 2018, 94, 1141-1156.	5.7	114
2	<i>Arabidopsis</i> histone H3K4 demethylase JMJ17 functions in dehydration stress response. <i>New Phytologist</i> , 2019, 223, 1372-1387.	7.3	69
3	Trithorax-group proteins ARABIDOPSIS TRITHORAX4 (ATX4) and ATX5 function in abscisic acid and dehydration stress responses. <i>New Phytologist</i> , 2018, 217, 1582-1597.	7.3	59
4	Global Analysis of Gene Expression in Response to Whole-Chromosome Aneuploidy in Hexaploid Wheat. <i>Plant Physiology</i> , 2017, 175, 828-847.	4.8	56
5	DNA methylation repatterning accompanying hybridization, whole genome doubling and homoeolog exchange in nascent segmental rice allotetraploids. <i>New Phytologist</i> , 2019, 223, 979-992.	7.3	56
6	JMJ17-WRKY40 and HY5-ABI5 modules regulate the expression of ABA-responsive genes in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2021, 230, 567-584.	7.3	54
7	Transgenerationally Precipitated Meiotic Chromosome Instability Fuels Rapid Karyotypic Evolution and Phenotypic Diversity in an Artificially Constructed Allotetraploid Wheat (AADD). <i>Molecular Biology and Evolution</i> , 2018, 35, 1078-1091.	8.9	34
8	The chromatin remodeler ZmCHB101 impacts expression of osmotic stress-responsive genes in maize. <i>Plant Molecular Biology</i> , 2018, 97, 451-465.	3.9	31
9	Cell-wall damage activates DOF transcription factors to promote wound healing and tissue regeneration in <i>Arabidopsis thaliana</i> . <i>Current Biology</i> , 2022, 32, 1883-1894.e7.	3.9	31
10	The chromatin remodeler ZmCHB101 impacts alternative splicing contexts in response to osmotic stress. <i>Plant Cell Reports</i> , 2019, 38, 131-145.	5.6	25
11	Transcriptome shock invokes disruption of parental expression-conserved genes in tetraploid wheat. <i>Scientific Reports</i> , 2016, 6, 26363.	3.3	23
12	The Core Subunit of A Chromatin-Remodeling Complex, ZmCHB101, Plays Essential Roles in Maize Growth and Development. <i>Scientific Reports</i> , 2016, 6, 38504.	3.3	22
13	Heritable alteration of DNA methylation induced by whole-chromosome aneuploidy in wheat. <i>New Phytologist</i> , 2016, 209, 364-375.	7.3	21
14	Trithorax-group protein ATX5 mediates the glucose response via impacting the HY1-ABI4 signaling module. <i>Plant Molecular Biology</i> , 2018, 98, 495-506.	3.9	14
15	Extensive allele-level remodeling of histone methylation modification in reciprocal F ₁ hybrids of rice subspecies. <i>Plant Journal</i> , 2019, 97, 571-586.	5.7	12
16	Nonuniform gene expression pattern detected along the longitudinal axis in the matured rice leaf. <i>Scientific Reports</i> , 2015, 5, 8015.	3.3	10
17	<i>Arabidopsis</i> BRCA1 represses RRTF1-mediated ROS production and ROS-responsive gene expression under dehydration stress. <i>New Phytologist</i> , 2020, 228, 1591-1610.	7.3	10
18	The Capacity to Buffer and Sustain Imbalanced D-Subgenome Chromosomes by the BBAA Component of Hexaploid Wheat Is an Evolved Dominant Trait. <i>Frontiers in Plant Science</i> , 2018, 9, 1149.	3.6	4