

Changbin Chen

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,205
citations

394421

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Isolating Male Meicytes from Maize and Wheat for Omics Analyses. <i>Methods in Molecular Biology</i> , 2020, 2061, 237-258.	0.9	4
2	Targeted Analysis of Chromatin Events (TACE). <i>Methods in Molecular Biology</i> , 2020, 2061, 47-58.	0.9	3
3	Not just gene expression: 3D implications of chromatin modifications during sexual plant reproduction. <i>Plant Cell Reports</i> , 2018, 37, 11-16.	5.6	4
4	High-resolution crossover mapping reveals similarities and differences of male and female recombination in maize. <i>Nature Communications</i> , 2018, 9, 2370.	12.8	71
5	Novel Meiotic miRNAs and Indications for a Role of PhasiRNAs in Meiosis. <i>Frontiers in Plant Science</i> , 2016, 7, 762.	3.6	56
6	Gene Evolutionary Trajectories and GC Patterns Driven by Recombination in <i>Zea mays</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1433.	3.6	16
7	The role of mitochondria in plant development and stress tolerance. <i>Free Radical Biology and Medicine</i> , 2016, 100, 238-256.	2.9	101
8	Immunolocalization on Whole Anther Chromosome Spreads for Male Meiosis. <i>Methods in Molecular Biology</i> , 2016, 1429, 161-175.	0.9	1
9	The plant-specific protein FEHLSTART controls male meiotic entry, initializing meiotic synchronization in <i>A. thaliana</i> . <i>Plant Journal</i> , 2015, 84, 659-671.	5.7	25
10	Sequencing-based large-scale genomics approaches with small numbers of isolated maize meicytes. <i>Frontiers in Plant Science</i> , 2014, 5, 57.	3.6	25
11	The meiotic transcriptome architecture of plants. <i>Frontiers in Plant Science</i> , 2014, 5, 220.	3.6	27
12	Comparative Transcriptomics of Early Meiosis in <i>Arabidopsis</i> and Maize. <i>Journal of Genetics and Genomics</i> , 2014, 41, 139-152.	3.9	54
13	The transcriptome landscape of early maize meiosis. <i>BMC Plant Biology</i> , 2014, 14, 118.	3.6	66
14	Analyzing the Meiotic Transcriptome Using Isolated Meicytes of <i>Arabidopsis thaliana</i> . <i>Methods in Molecular Biology</i> , 2013, 990, 203-213.	0.9	25
15	Characterization of a set of novel meiotically-active promoters in <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2012, 12, 104.	3.6	22
16	Meiosis-Specific Loading of the Centromere-Specific Histone CENH3 in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2011, 7, e1002121.	3.5	111
17	Meiosis-specific gene discovery in plants: RNA-Seq applied to isolated <i>Arabidopsis</i> male meicytes. <i>BMC Plant Biology</i> , 2010, 10, 280.	3.6	133
18	A Simplified Method for Differential Staining of Aborted and Non-Aborted Pollen Grains. <i>International Journal of Plant Biology</i> , 2010, 1, e13.	2.6	226

#	ARTICLE	IF	CITATIONS
19	The BAM1/BAM2 Receptor-Like Kinases Are Important Regulators of Arabidopsis Early Anther Development. <i>Plant Cell</i> , 2006, 18, 1667-1680.	6.6	226
20	The <i>Arabidopsis thaliana</i> PARTING DANCERS Gene Encoding a Novel Protein Is Required for Normal Meiotic Homologous Recombination. <i>Molecular Biology of the Cell</i> , 2006, 17, 1331-1343.	2.1	92
21	Regulation of Arabidopsis tapetum development and function by DYSFUNCTIONAL TAPETUM1 (DYT1) encoding a putative bHLH transcription factor. <i>Development (Cambridge)</i> , 2006, 133, 3085-3095.	2.5	400
22	The Arabidopsis <i>ROCKA</i> gene encodes a homolog of the yeast ATP-dependent DNA helicase MER3 and is required for normal meiotic crossover formation. <i>Plant Journal</i> , 2005, 43, 321-334.	5.7	113
23	Microarray Analysis of Gene Expression Involved in Anther Development in rice (<i>Oryza sativa</i> L.). <i>Plant Molecular Biology</i> , 2005, 58, 721-737.	3.9	61
24	The <i>Arabidopsis AtRAD51</i> gene is dispensable for vegetative development but required for meiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10596-10601.	7.1	286
25	The Arabidopsis <i>ATK1</i> gene is required for spindle morphogenesis in male meiosis. <i>Development (Cambridge)</i> , 2002, 129, 2401-9.	2.5	57