Changbin Chen

List of Publications by Year
in descending order

25 papers	2,205 citations	394421 19 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	2623 citing authors

#	Article	IF	Citations
1	Regulation of Arabidopsis tapetum development and function by DYSFUNCTIONAL TAPETUM1 (DYT1) encoding a putative bHLH transcription factor. Development (Cambridge), 2006, 133, 3085-3095.	2.5	400
2	The <i>Arabidopsis AtRAD51</i> gene is dispensable for vegetative development but required for meiosis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10596-10601.	7.1	286
3	The BAM1/BAM2 Receptor-Like Kinases Are Important Regulators of Arabidopsis Early Anther Development. Plant Cell, 2006, 18, 1667-1680.	6.6	226
4	A Simplified Method for Differential Staining of Aborted and Non-Aborted Pollen Grains. International Journal of Plant Biology, 2010, 1, e13.	2.6	226
5	Meiosis-specific gene discovery in plants: RNA-Seq applied to isolated Arabidopsis male meiocytes. BMC Plant Biology, 2010, 10, 280.	3.6	133
6	The Arabidopsis <i>ROCKâ€Nâ€ROLLERS</i> gene encodes a homolog of the yeast ATPâ€dependent DNA helicase MER3 and is required for normal meiotic crossover formation. Plant Journal, 2005, 43, 321-334.	5.7	113
7	Meiosis-Specific Loading of the Centromere-Specific Histone CENH3 in Arabidopsis thaliana. PLoS Genetics, 2011, 7, e1002121.	3.5	111
8	The role of mitochondria in plant development and stress tolerance. Free Radical Biology and Medicine, 2016, 100, 238-256.	2.9	101
9	The<i>Arabidopsis thaliana PARTING DANCERS</i>Gene Encoding a Novel Protein Is Required for Normal Meiotic Homologous Recombination. Molecular Biology of the Cell, 2006, 17, 1331-1343.	2.1	92
10	High-resolution crossover mapping reveals similarities and differences of male and female recombination in maize. Nature Communications, 2018, 9, 2370.	12.8	71
11	The transcriptome landscape of early maize meiosis. BMC Plant Biology, 2014, 14, 118.	3.6	66
12	Microarray Analysis of Gene Expression Involved in Anther Development in rice (Oryza sativa L.). Plant Molecular Biology, 2005, 58, 721-737.	3.9	61
13	The Arabidopsis ATK1 gene is required for spindle morphogenesis in male meiosis. Development (Cambridge), 2002, 129, 2401-9.	2.5	57
14	Novel Meiotic miRNAs and Indications for a Role of PhasiRNAs in Meiosis. Frontiers in Plant Science, 2016, 7, 762.	3.6	56
15	Comparative Transcriptomics of Early Meiosis in Arabidopsis and Maize. Journal of Genetics and Genomics, 2014, 41, 139-152.	3.9	54
16	The meiotic transcriptome architecture of plants. Frontiers in Plant Science, 2014, 5, 220.	3.6	27
17	Analyzing the Meiotic Transcriptome Using Isolated Meiocytes of Arabidopsis thaliana. Methods in Molecular Biology, 2013, 990, 203-213.	0.9	25
18	Sequencing-based large-scale genomics approaches with small numbers of isolated maize meiocytes. Frontiers in Plant Science, 2014, 5, 57.	3.6	25

#	Article	IF	Citations
19	The plantâ€specific protein FEHLSTART controls male meiotic entry, initializing meiotic synchronization in A rabidopsis. Plant Journal, 2015, 84, 659-671.	5.7	25
20	Characterization of a set of novel meiotically-active promoters in Arabidopsis. BMC Plant Biology, 2012, 12, 104.	3.6	22
21	Gene Evolutionary Trajectories and GC Patterns Driven by Recombination in Zea mays. Frontiers in Plant Science, 2016, 7, 1433.	3.6	16
22	Not just gene expression: 3D implications of chromatin modifications during sexual plant reproduction. Plant Cell Reports, 2018, 37, 11-16.	5.6	4
23	Isolating Male Meiocytes from Maize and Wheat for â€œ-Omicsâ€•Analyses. Methods in Molecular Biology, 2020, 2061, 237-258.	0.9	4
24	Targeted Analysis of Chromatin Events (TACE). Methods in Molecular Biology, 2020, 2061, 47-58.	0.9	3
25	Immunolocalization on Whole Anther Chromosome Spreads for Male Meiosis. Methods in Molecular Biology, 2016, 1429, 161-175.	0.9	1