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List of Publications by Year in descending order

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63 papers 6,056 citations

76294 40 h-index 63 g-index

74 all docs

74 docs citations

74 times ranked 3432 citing authors

#	Article	IF	CITATIONS
1	Engineering Apomixis: Clonal Seeds Approaching the Fields. Annual Review of Plant Biology, 2022, 73, 201-225.	8.6	24
2	The megabase-scale crossover landscape is largely independent of sequence divergence. Nature Communications, 2022, 13, .	5.8	25
3	The synaptonemal complex imposes crossover interference and heterochiasmy in <i>Arabidopsis</i> Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	116
4	DEFECTIVE EMBRYO AND MERISTEMS genes are required for cell division and gamete viability in Arabidopsis. PLoS Genetics, 2021, 17, e1009561.	1.5	3
5	Don't Forget Your Sister: Directing Double-Strand Break Repair at Meiosis. Developmental Cell, 2020, 53, 374-376.	3.1	O
6	A TOR-YAK1 signaling axis controls cell cycle, meristem activity and plant growth in Arabidopsis. Development (Cambridge), 2019, 146, .	1.2	50
7	Mutations of the AtYAK1 Kinase Suppress TOR Deficiency in Arabidopsis. Cell Reports, 2019, 27, 3696-3708.e5.	2.9	54
8	Antagonism between BRCA2 and FIGL1 regulates homologous recombination. Nucleic Acids Research, 2019, 47, 5170-5180.	6.5	28
9	Patronus is the elusive plant securin, preventing chromosome separation by antagonizing separase. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16018-16027.	3.3	22
10	Clonal seeds from hybrid rice by simultaneous genome engineering of meiosis and fertilization genes. Nature Biotechnology, 2019, 37, 283-286.	9.4	250
11	A male-expressed rice embryogenic trigger redirected for asexual propagation through seeds. Nature, 2019, 565, 91-95.	13.7	324
12	Massive crossover elevation via combination of <i>HEI10</i> and <i>recq4a recq4b</i> during <i>Arabidopsis</i> meiosis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2437-2442.	3.3	107
13	Unleashing meiotic crossovers in hybrid plants. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2431-2436.	3.3	155
14	Unleashing meiotic crossovers in crops. Nature Plants, 2018, 4, 1010-1016.	4.7	110
15	The HEM Lines: A New Library of Homozygous Arabidopsis thaliana EMS Mutants and its Potential to Detect Meiotic Phenotypes. Frontiers in Plant Science, 2018, 9, 1339.	1.7	11
16	FIGL1 and its novel partner FLIP form a conserved complex that regulates homologous recombination. PLoS Genetics, 2018, 14, e1007317.	1.5	81
17	RMI1 and TOP3α limit meiotic CO formation through their C-terminal domains. Nucleic Acids Research, 2017, 45, gkw1210.	6.5	54
18	TDM1 Regulation Determines the Number of Meiotic Divisions. PLoS Genetics, 2016, 12, e1005856.	1.5	40

#	Article	IF	Citations
19	Turning rice meiosis into mitosis. Cell Research, 2016, 26, 1242-1254.	5.7	103
20	Aperture number influences pollen survival in <i>Arabidopsis</i> mutants. American Journal of Botany, 2016, 103, 452-459.	0.8	28
21	Large genetic screens for gynogenesis and androgenesis haploid inducers in Arabidopsis thaliana failed to identify mutants. Frontiers in Plant Science, 2015, 6, 147.	1.7	13
22	Multiple mechanisms limit meiotic crossovers: TOP3α and two BLM homologs antagonize crossovers in parallel to FANCM. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4713-4718.	3.3	138
23	The Molecular Biology of Meiosis in Plants. Annual Review of Plant Biology, 2015, 66, 297-327.	8.6	494
24	AAA-ATPase FIDGETIN-LIKE 1 and Helicase FANCM Antagonize Meiotic Crossovers by Distinct Mechanisms. PLoS Genetics, 2015, 11, e1005369.	1.5	133
25	The Kinesin AtPSS1 Promotes Synapsis and is Required for Proper Crossover Distribution in Meiosis. PLoS Genetics, 2014, 10, e1004674.	1.5	30
26	FANCM-associated proteins MHF1 and MHF2, but not the other Fanconi anemia factors, limit meiotic crossovers. Nucleic Acids Research, 2014, 42, 9087-9095.	6.5	93
27	Tinkering with meiosis. Journal of Experimental Botany, 2013, 64, 55-65.	2.4	46
28	Meiosis: Recombination and the Control of Cell Division. , 2013, , 121-136.		1
29	Centromeric Cohesion Is Protected Twice at Meiosis, by SHUGOSHINs at Anaphase I and by PATRONUS at Interkinesis. Current Biology, 2013, 23, 2090-2099.	1.8	67
30	Identifying Meiotic Mutants in Arabidopsis thaliana. Methods in Molecular Biology, 2013, 990, 227-234.	0.4	8
31	MCM8 Is Required for a Pathway of Meiotic Double-Strand Break Repair Independent of DMC1 in Arabidopsis thaliana. PLoS Genetics, 2013, 9, e1003165.	1.5	39
32	Haploid Meiosis in Arabidopsis: Double-Strand Breaks Are Formed and Repaired but Without Synapsis and Crossovers. PLoS ONE, 2013, 8, e72431.	1.1	53
33	OSD1 Promotes Meiotic Progression via APC/C Inhibition and Forms a Regulatory Network with TDM and CYCA1;2/TAM. PLoS Genetics, 2012, 8, e1002865.	1.5	93
34	What limits meiotic crossovers?. Cell Cycle, 2012, 11, 3527-3528.	1.3	12
35	SAMBA, a plant-specific anaphase-promoting complex/cyclosome regulator is involved in early development and A-type cyclin stabilization. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13853-13858.	3.3	80
36	FANCM Limits Meiotic Crossovers. Science, 2012, 336, 1588-1590.	6.0	252

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37	Synthetic Clonal Reproduction Through Seeds. Science, 2011, 331, 876-876.	6.0	115
38	SHOC1 and PTD form an XPF–ERCC1-like complex that is required for formation of class I crossovers. Journal of Cell Science, 2011, 124, 2687-2691.	1.2	49
39	The CYCLIN-A CYCA1;2/TAM Is Required for the Meiosis I to Meiosis II Transition and Cooperates with OSD1 for the Prophase to First Meiotic Division Transition. PLoS Genetics, 2010, 6, e1000989.	1.5	139
40	An Easy Protocol for Studying Chromatin and Recombination Protein Dynamics during & lt;i>Arabidopsis>thaliana Meiosis: Immunodetection of Cohesins, Histones and MLH1. Cytogenetic and Genome Research, 2010, 129, 143-153.	0.6	130
41	A High Throughput Genetic Screen Identifies New Early Meiotic Recombination Functions in Arabidopsis thaliana. PLoS Genetics, 2009, 5, e1000654.	1.5	140
42	Turning Meiosis into Mitosis. PLoS Biology, 2009, 7, e1000124.	2.6	293
43	Reciprocal chromosome translocation associated with TDNA-insertion mutation in Arabidopsis: genetic and cytological analyses of consequences for gametophyte development and for construction of doubly mutant lines. Planta, 2009, 229, 731-745.	1.6	36
44	AtMSH5 partners AtMSH4 in the class I meiotic crossover pathway in <i>Arabidopsis thaliana</i> , but is not required for synapsis. Plant Journal, 2008, 55, 28-39.	2.8	140
45	SHOC1, an XPF Endonuclease-Related Protein, Is Essential for the Formation of Class I Meiotic Crossovers. Current Biology, 2008, 18, 1432-1437.	1.8	67
46	Meiosis in plants: ten years of gene discovery. Cytogenetic and Genome Research, 2008, 120, 281-290.	0.6	117
47	Meiotic Recombination and Crossovers in Plants. Genome Dynamics, 2008, 5, 14-25.	2.4	30
48	Outcrossing as an Explanation of the Apparent Unconventional Genetic Behavior of <i>Arabidopsis thaliana hth </i>	1.2	14
49	Mutations in AtPS1 (Arabidopsis thaliana Parallel Spindle 1) Lead to the Production of Diploid Pollen Grains. PLoS Genetics, 2008, 4, e1000274.	1.5	125
50	Zip4/Spo22 Is Required for Class I CO Formation but Not for Synapsis Completion in Arabidopsis thaliana. PLoS Genetics, 2007, 3, e83.	1.5	186
51	The Interplay of RecA-related Proteins and the MND1–HOP2 Complex during Meiosis in Arabidopsis thaliana. PLoS Genetics, 2007, 3, e176.	1.5	129
52	Sex-Specific Crossover Distributions and Variations in Interference Level along Arabidopsis thaliana Chromosome 4. PLoS Genetics, 2007, 3, e106.	1.5	123
53	Patterns of Recombination and MLH1 Foci Density Along Mouse Chromosomes: Modeling Effects of Interference and Obligate Chiasma. Genetics, 2007, 176, 1453-1467.	1.2	22
54	The road to crossovers: plants have their say. Trends in Genetics, 2007, 23, 91-99.	2.9	99

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55	Non conservation of the meiotic function of the Ski8/Rec103 homolog inArabidopsis. Genes To Cells, 2006, 11, 615-622.	0.5	43
56	Regulation of carotenoid and ABA accumulation during the development and germination of Nicotiana plumbaginifolia seeds. Planta, 2006, 224, 622-632.	1.6	38
57	The Arabidopsis thaliana MND1 homologue plays a key role in meiotic homologous pairing, synapsis and recombination. Journal of Cell Science, 2006, 119, 2486-2496.	1.2	103
58	Two Meiotic Crossover Classes Cohabit in Arabidopsis. Current Biology, 2005, 15, 692-701.	1.8	179
59	AtREC8 and AtSCC3 are essential to the monopolar orientation of the kinetochores during meiosis. Journal of Cell Science, 2005, 118, 4621-4632.	1.2	226
60	A strategy to investigate the plant meiotic proteome. Cytogenetic and Genome Research, 2005, 109, 181-189.	0.6	38
61	The meiotic protein SWI1 is required for axial element formation and recombination initiation inArabidopsis. Development (Cambridge), 2003, 130, 3309-3318.	1.2	130
62	How to characterize meiotic functions in plants?. Biochimie, 2001, 83, 1023-1028.	1.3	22
63	SWITCH1 (SWI1): a novel protein required for the establishment of sister chromatid cohesion and for bivalent formation at meiosis. Genes and Development, 2001, 15, 1859-1871.	2.7	156