

# Yafei Li

## List of Publications by Year in descending order

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41  
papers

1,149  
citations

394421

19  
h-index

434195

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all docs

41  
docs citations

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times ranked

1066  
citing authors

#	ARTICLE	IF	CITATIONS
1	CENTRAL REGION COMPONENT1, a Novel Synaptonemal Complex Component, Is Essential for Meiotic Recombination Initiation in Rice. <i>Plant Cell</i> , 2013, 25, 2998-3009.	6.6	81
2	Ten Years of Gene Discovery for Meiotic Event Control in Rice. <i>Journal of Genetics and Genomics</i> , 2014, 41, 125-137.	3.9	68
3	OsDMC1 Is Not Required for Homologous Pairing in Rice Meiosis. <i>Plant Physiology</i> , 2016, 171, 230-241.	4.8	67
4	<i>Semi-Rolled Leaf2</i> modulates rice leaf rolling by regulating abaxial side cell differentiation. <i>Journal of Experimental Botany</i> , 2016, 67, 2139-2150.	4.8	64
5	The F-Box Protein ZYGO1 Mediates Bouquet Formation to Promote Homologous Pairing, Synapsis, and Recombination in Rice Meiosis. <i>Plant Cell</i> , 2017, 29, 2597-2609.	6.6	61
6	OsRAD51C is essential for double-strand break repair in rice meiosis. <i>Frontiers in Plant Science</i> , 2014, 5, 167.	3.6	51
7	The Role of OsMSH5 in Crossover Formation during Rice Meiosis. <i>Molecular Plant</i> , 2013, 6, 729-742.	8.3	46
8	P31 <sup>comet</sup> , a member of the synaptonemal complex, participates in meiotic DSB formation in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10577-10582.	7.1	43
9	Meiotic Chromosome Association 1 Interacts with TOP3 $\hat{\pm}$ and Regulates Meiotic Recombination in Rice. <i>Plant Cell</i> , 2017, 29, 1697-1708.	6.6	43
10	Characterization of a new semi-dominant dwarf allele of SLR1 and its potential application in hybrid rice breeding. <i>Journal of Experimental Botany</i> , 2018, 69, 4703-4713.	4.8	40
11	Ornithine $\hat{\pm}$ aminotransferase is critical for floret development and seed setting through mediating nitrogen reutilization in rice. <i>Plant Journal</i> , 2018, 96, 842-854.	5.7	40
12	Crossover Formation During Rice Meiosis Relies on Interaction of OsMSH4 and OsMSH5. <i>Genetics</i> , 2014, 198, 1447-1456.	2.9	39
13	XRCC3 is essential for proper double-strand break repair and homologous recombination in rice meiosis. <i>Journal of Experimental Botany</i> , 2015, 66, 5713-5725.	4.8	38
14	OsMTOPIV Promotes Meiotic DNA Double-Strand Break Formation in Rice. <i>Molecular Plant</i> , 2016, 9, 1535-1538.	8.3	36
15	<i>Os<sc>SPL</sc></i> regulates meiotic fate acquisition in rice. <i>New Phytologist</i> , 2018, 218, 789-803.	7.3	33
16	OsSDS is essential for DSB formation in rice meiosis. <i>Frontiers in Plant Science</i> , 2015, 6, 21.	3.6	32
17	A strategy for generating rice apomixis by gene editing. <i>Journal of Integrative Plant Biology</i> , 2019, 61, 911-916.	8.5	32
18	HEIP1 regulates crossover formation during meiosis in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10810-10815.	7.1	28

#	ARTICLE	IF	CITATIONS
19	De novo genome assembly of <i>Oryza granulata</i> reveals rapid genome expansion and adaptive evolution. <i>Communications Biology</i> , 2018, 1, 84.	4.4	24
20	OsMTOPIV is required for meiotic bipolar spindle assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15967-15972.	7.1	24
21	The OsRR24/LEPTO1 Type-B Response Regulator is Essential for the Organization of Leptotene Chromosomes in Rice Meiosis. <i>Plant Cell</i> , 2018, 30, 3024-3037.	6.6	22
22	Os HOP 2 regulates the maturation of crossovers by promoting homologous pairing and synapsis in rice meiosis. <i>New Phytologist</i> , 2019, 222, 805-819.	7.3	21
23	<i>Oryza sativa</i> RNA-Dependent RNA Polymerase 6 Contributes to Double-Strand Break Formation in Meiosis. <i>Plant Cell</i> , 2020, 32, 3273-3289.	6.6	20
24	Global Identification of Genes Specific for Rice Meiosis. <i>PLoS ONE</i> , 2015, 10, e0137399.	2.5	19
25	Nitrogen nutrition contributes to plant fertility by affecting meiosis initiation. <i>Nature Communications</i> , 2022, 13, 485.	12.8	18
26	The zinc finger protein DCM1 is required for male meiotic cytokinesis by preserving callose in rice. <i>PLoS Genetics</i> , 2018, 14, e1007769.	3.5	17
27	OsRAD51D promotes homologous pairing and recombination by preventing nonhomologous interactions in rice meiosis. <i>New Phytologist</i> , 2020, 227, 824-839.	7.3	17
28	OsHUS1 Facilitates Accurate Meiotic Recombination in Rice. <i>PLoS Genetics</i> , 2014, 10, e1004405.	3.5	15
29	The endonuclease homolog OsRAD1 promotes accurate meiotic double-strand break repair by suppressing non-homologous end joining. <i>Plant Physiology</i> , 2016, 172, pp.00831.2016.	4.8	14
30	The SUN Domain Proteins OsSUN1 and OsSUN2 Play Critical but Partially Redundant Roles in Meiosis. <i>Plant Physiology</i> , 2020, 183, 1517-1530.	4.8	14
31	PRD1, a homologous recombination initiation factor, is involved in spindle assembly in rice meiosis. <i>New Phytologist</i> , 2021, 230, 585-600.	7.3	13
32	A functional centromere lacking CentO sequences in a newly formed ring chromosome in rice. <i>Journal of Genetics and Genomics</i> , 2016, 43, 694-701.	3.9	12
33	Defective Microspore Development <sup>1</sup> is required for microspore cell integrity and pollen wall formation in rice. <i>Plant Journal</i> , 2020, 103, 1446-1459.	5.7	11
34	Identification of quantitative trait loci associated with drought tolerance traits in rice ( <i>Oryza sativa</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	9.2	10
35	The E3 ubiquitin ligase DESYNAPSIS1 regulates synapsis and recombination in rice meiosis. <i>Cell Reports</i> , 2021, 37, 109941.	6.4	9
36	OsATM Safeguards Accurate Repair of Meiotic Double-Strand Breaks in Rice. <i>Plant Physiology</i> , 2020, 183, 1047-1057.	4.8	6

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37	Replication protein A large subunit (RPA1a) limits chiasma formation during rice meiosis. <i>Plant Physiology</i> , 2021, 187, 1605-1618.	4.8	6
38	Genetic Mapping of ms1s, a Recessive Gene for Male Sterility in Common Wheat. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8541.	4.1	5
39	Reproductive cells and peripheral parietal cells collaboratively participate in meiotic fate acquisition in rice anthers. <i>Plant Journal</i> , 2021, 108, 661-671.	5.7	5
40	QTL analysis of main agronomic traits in rice under low temperature stress. <i>Euphytica</i> , 2019, 215, 1.	1.2	3
41	Fluorescence In Situ Hybridization on Rice Chromosomes. <i>Methods in Molecular Biology</i> , 2016, 1370, 105-112.	0.9	2