

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47 papers	4,455 citations	30 h-index	50 g-index
50 ext. papers	5,982 ext. citations	13.4 avg, IF	5.37 L-index

#	Paper	IF	Citations
47	Structural and functional analysis of the middle segment of hsp90: implications for ATP hydrolysis and client protein and cochaperone interactions. <i>Molecular Cell</i> , <b>2003</b> , 11, 647-58	17.6	387
46	Variation in NRT1.1B contributes to nitrate-use divergence between rice subspecies. <i>Nature Genetics</i> , <b>2015</b> , 47, 834-8	36.3	334
45	OsNAP connects abscisic acid and leaf senescence by fine-tuning abscisic acid biosynthesis and directly targeting senescence-associated genes in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 10013-8	11.5	316
44	NRT1.1B is associated with root microbiota composition and nitrogen use in field-grown rice. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 676-684	44.5	276
43	Control of grain size and rice yield by GL2-mediated brassinosteroid responses. <i>Nature Plants</i> , <b>2015</b> , 2, 15195	11.5	209
42	Melatonin delays leaf senescence and enhances salt stress tolerance in rice. <i>Journal of Pineal Research</i> , <b>2015</b> , 59, 91-101	10.4	184
41	Cohesin's DNA exit gate is distinct from its entrance gate and is regulated by acetylation. <i>Cell</i> , <b>2012</b> , 150, 961-74	56.2	178
40	OsPT2, a phosphate transporter, is involved in the active uptake of selenite in rice. <i>New Phytologist</i> , <b>2014</b> , 201, 1183-1191	9.8	172
39	LEAF TIP NECROSIS1 plays a pivotal role in the regulation of multiple phosphate starvation responses in rice. <i>Plant Physiology</i> , <b>2011</b> , 156, 1101-15	6.6	162
38	Co-chaperone regulation of conformational switching in the Hsp90 ATPase cycle. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 51989-98	5.4	160
37	Nitrogen use efficiency in crops: lessons from Arabidopsis and rice. <i>Journal of Experimental Botany</i> , <b>2017</b> , 68, 2477-2488	7	148
36	Expression of the Nitrate Transporter Gene Confers High Yield and Early Maturation in Rice. <i>Plant Cell</i> , <b>2018</b> , 30, 638-651	11.6	145
35	Hsp90-dependent activation of protein kinases is regulated by chaperone-targeted dephosphorylation of Cdc37. <i>Molecular Cell</i> , <b>2008</b> , 31, 886-95	17.6	144
34	ATP hydrolysis is required for relocating cohesin from sites occupied by its Scc2/4 loading complex. <i>Current Biology</i> , <b>2011</b> , 21, 12-24	6.3	143
33	Structural basis for recruitment of the ATPase activator Aha1 to the Hsp90 chaperone machinery. <i>EMBO Journal</i> , <b>2004</b> , 23, 511-9	13	141
32	Activation of Big Grain1 significantly improves grain size by regulating auxin transport in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 11102-7	11.5	140
31	Nitrate-NRT1.1B-SPX4 cascade integrates nitrogen and phosphorus signalling networks in plants. <i>Nature Plants</i> , <b>2019</b> , 5, 401-413	11.5	133

30	An Smc3 acetylation cycle is essential for establishment of sister chromatid cohesion. <i>Molecular Cell</i> , <b>2010</b> , 39, 689-99	17.6	119
29	Root microbiota shift in rice correlates with resident time in the field and developmental stage. <i>Science China Life Sciences</i> , <b>2018</b> , 61, 613-621	8.5	98
28	Biological chromodynamics: a general method for measuring protein occupancy across the genome by calibrating ChIP-seq. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, e132	20.1	86
27	A folded conformation of MukBEF and cohesin. <i>Nature Structural and Molecular Biology</i> , <b>2019</b> , 26, 227-236	17.6	75
26	Releasing Activity Disengages Cohesin's Smc3/Sccl Interface in a Process Blocked by Acetylation. <i>Molecular Cell</i> , <b>2016</b> , 61, 563-574	17.6	73
25	The Cohesin Ring Uses Its Hinge to Organize DNA Using Non-topological as well as Topological Mechanisms. <i>Cell</i> , <b>2018</b> , 173, 1508-1519.e18	56.2	72
24	Sccl Is a Potent Activator of Cohesin's ATPase that Promotes Loading by Binding Sccl without Pds5. <i>Molecular Cell</i> , <b>2018</b> , 70, 1134-1148.e7	17.6	71
23	Expressed as the sole Hsp90 of yeast, the alpha and beta isoforms of human Hsp90 differ with regard to their capacities for activation of certain client proteins, whereas only Hsp90beta generates sensitivity to the Hsp90 inhibitor radicicol. <i>FEBS Journal</i> , <b>2007</b> , 274, 4453-63	5.7	62
22	Genomic basis of geographical adaptation to soil nitrogen in rice. <i>Nature</i> , <b>2021</b> , 590, 600-605	50.4	59
21	Genomic screening in vivo reveals the role played by vacuolar H <sup>+</sup> ATPase and cytosolic acidification in sensitivity to DNA-damaging agents such as cisplatin. <i>Molecular Pharmacology</i> , <b>2007</b> , 71, 416-25	4.3	46
20	MicroRNA399 is involved in multiple nutrient starvation responses in rice. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 188	6.2	45
19	Nitrogen-phosphorus interplay: old story with molecular tale. <i>New Phytologist</i> , <b>2020</b> , 225, 1455-1460	9.8	36
18	Qri2/Nse4, a component of the essential Smc5/6 DNA repair complex. <i>Molecular Microbiology</i> , <b>2005</b> , 55, 1735-50	4.1	32
17	NRT1.1B improves selenium concentrations in rice grains by facilitating selenomethionine translocation. <i>Plant Biotechnology Journal</i> , <b>2019</b> , 17, 1058-1068	11.6	30
16	NRT1.1s in plants: functions beyond nitrate transport. <i>Journal of Experimental Botany</i> , <b>2020</b> , 71, 4373-4379	17.6	27
15	Both interaction surfaces within cohesin's hinge domain are essential for its stable chromosomal association. <i>Current Biology</i> , <b>2010</b> , 20, 279-89	6.3	26
14	Identification of microRNAs in rice root in response to nitrate and ammonium. <i>Journal of Genetics and Genomics</i> , <b>2016</b> , 43, 651-661	4	23
13	Towards understanding the hierarchical nitrogen signalling network in plants. <i>Current Opinion in Plant Biology</i> , <b>2020</b> , 55, 60-65	9.9	21

12	A transceptor-channel complex couples nitrate sensing to calcium signaling in Arabidopsis. <i>Molecular Plant</i> , <b>2021</b> , 14, 774-786	14.4	18
11	Phosphate starvation signaling in rice. <i>Plant Signaling and Behavior</i> , <b>2011</b> , 6, 927-9	2.5	15
10	Scc2 counteracts a Wapl-independent mechanism that releases cohesin from chromosomes during G1. <i>ELife</i> , <b>2019</b> , 8,	8.9	14
9	OscYCP1;1, a PHO80 homologous protein, negatively regulates phosphate starvation signaling in the roots of rice ( <i>Oryza sativa</i> L.). <i>Plant Molecular Biology</i> , <b>2014</b> , 86, 655-69	4.6	11
8	Modulation of nitrate-induced phosphate response by the MYB transcription factor RLI1/HINGE1 in the nucleus. <i>Molecular Plant</i> , <b>2021</b> , 14, 517-529	14.4	7
7	Folding of cohesin's coiled coil is important for Scc2/4-induced association with chromosomes. <i>ELife</i> , <b>2021</b> , 10,	8.9	4
6	A folded conformation of MukBEF and Cohesin		2
5	Epigenetic regulation of nitrogen and phosphorus responses in plants. <i>Journal of Plant Physiology</i> , <b>2021</b> , 258-259, 153363	3.6	2
4	POLLEN STERILITY, a novel suppressor of cell division, is required for timely tapetal programmed cell death in rice. <i>Science China Life Sciences</i> , <b>2021</b> , 1	8.5	0
3	A set of novel CRISPR-based integrative vectors for. <i>Wellcome Open Research</i> , <b>2018</b> , 3, 72	4.8	0
2	A set of novel CRISPR-based integrative vectors for <i>Saccharomyces cerevisiae</i> . <i>Wellcome Open Research</i> , <b>2018</b> , 3, 72	4.8	
1	Analysis of rice root bacterial microbiota of Nipponbare and IR24. <i>Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji</i> , <b>2020</b> , 42, 506-518	1.4	