

Taiji Kawakatsu

List of Publications by Year in Descending Order

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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	2,020 citations	23 h-index	44 g-index
51 ext. papers	2,566 ext. citations	8 avg, IF	4.77 L-index

#	Paper	IF	Citations
47	Reinvention of hermaphroditism via activation of a RADIALIS-like gene in hexaploid persimmon.. <i>Nature Plants</i> , 2022 ,	11.5	2
46	Mutation of the imprinted gene OsEMF2a induces autonomous endosperm development and delayed cellularization in rice. <i>Plant Cell</i> , 2021 , 33, 85-103	11.6	9
45	The transcriptomic landscapes of rice cultivars with diverse root system architectures grown in upland field conditions. <i>Plant Journal</i> , 2021 , 106, 1177-1190	6.9	3
44	iPOTs: Internet of Things-based pot system controlling optional treatment of soil water condition for plant phenotyping under drought stress. <i>Plant Journal</i> , 2021 , 107, 1569-1580	6.9	3
43	RNA-Directed DNA Methylation Links Viral Disease and Plant Architecture in Rice. <i>Molecular Plant</i> , 2020 , 13, 814-816	14.4	1
42	Low-cost RNA extraction method for highly scalable transcriptome studies. <i>Breeding Science</i> , 2020 , 70, 481-486	2	4
41	Whole-Genome Bisulfite Sequencing and Epigenetic Variation in Cereal Methylomes. <i>Methods in Molecular Biology</i> , 2020 , 2072, 119-128	1.4	2
40	Genome Assembly of the Rice Variety IR64 Using Linked-Read Sequencing and Nanopore Sequencing. <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 1495-1501	3.2	10
39	Diversity and dynamics of DNA methylation: epigenomic resources and tools for crop breeding. <i>Breeding Science</i> , 2019 , 69, 191-204	2	18
38	Common alleles of CMT2 and NRPE1 are major determinants of CHH methylation variation in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2019 , 15, e1008492	6	19
37	Towards a deeper integrated multi-omics approach in the root system to develop climate-resilient rice. <i>Molecular Breeding</i> , 2019 , 39, 1	3.4	9
36	Gene networks orchestrated by MeGI: a single-factor mechanism underlying sex determination in persimmon. <i>Plant Journal</i> , 2019 , 98, 97-111	6.9	26
35	Rice proteins and essential amino acids 2019 , 109-130		2
34	Common alleles of CMT2 and NRPE1 are major determinants of CHH methylation variation in <i>Arabidopsis thaliana</i> 2019 , 15, e1008492		
33	Common alleles of CMT2 and NRPE1 are major determinants of CHH methylation variation in <i>Arabidopsis thaliana</i> 2019 , 15, e1008492		
32	Common alleles of CMT2 and NRPE1 are major determinants of CHH methylation variation in <i>Arabidopsis thaliana</i> 2019 , 15, e1008492		
31	Common alleles of CMT2 and NRPE1 are major determinants of CHH methylation variation in <i>Arabidopsis thaliana</i> 2019 , 15, e1008492		

30 Theoretical and Applied Epigenetics in Plants **2018**, 265-286

29	Transgene-independent heredity of RdDM-mediated transcriptional gene silencing of endogenous genes in rice. <i>Plant Biotechnology Journal</i> , 2018 , 16, 2007-2015	11.6	9
28	Divergent cytosine DNA methylation patterns in single-cell, soybean root hairs. <i>New Phytologist</i> , 2017 , 214, 808-819	9.8	49
27	Dynamic DNA methylation reconfiguration during seed development and germination. <i>Genome Biology</i> , 2017 , 18, 171	18.3	132
26	An overview on the strategies to exploit rice endosperm as production platform for biopharmaceuticals. <i>Plant Science</i> , 2017 , 263, 201-209	5.3	20
25	Epigenomic Diversity in a Global Collection of Arabidopsis thaliana Accessions. <i>Cell</i> , 2016 , 166, 492-505	56.2	353
24	Unique cell-type-specific patterns of DNA methylation in the root meristem. <i>Nature Plants</i> , 2016 , 2, 16058	11.5	125
23	RNA silencing is induced by the expression of foreign recombinant products in transgenic rice. <i>Plant Science</i> , 2014 , 225, 138-46	5.3	3
22	Identification of a cis-element that mediates multiple pathways of the endoplasmic reticulum stress response in rice. <i>Plant Journal</i> , 2013 , 74, 248-57	6.9	29
21	Transgenic rice seeds accumulating recombinant hypoallergenic birch pollen allergen Bet v 1 generate giant protein bodies. <i>Plant and Cell Physiology</i> , 2013 , 54, 917-33	4.9	29
20	A whole-genome analysis of a transgenic rice seed-based edible vaccine against cedar pollen allergy. <i>DNA Research</i> , 2013 , 20, 623-31	4.5	26
19	Signal transduction by IRE1-mediated splicing of bZIP50 and other stress sensors in the endoplasmic reticulum stress response of rice. <i>Plant Journal</i> , 2012 , 69, 946-56	6.9	97
18	RNA silencing induced by an artificial sequence that prevents proper transcription termination in rice. <i>Plant Physiology</i> , 2012 , 160, 601-12	6.6	6
17	Recombinant protein yield in rice seed is enhanced by specific suppression of endogenous seed proteins at the same deposit site. <i>Plant Biotechnology Journal</i> , 2012 , 10, 1035-45	11.6	37
16	A rice transmembrane bZIP transcription factor, OsbZIP39, regulates the endoplasmic reticulum stress response. <i>Plant and Cell Physiology</i> , 2012 , 53, 144-53	4.9	55
15	Reduction of 13 kD prolamins increases recombinant protein yield and recovery rate in rice endosperm. <i>Plant Signaling and Behavior</i> , 2012 , 7, 1402-3	2.5	2
14	Overexpression of OsRab7B3, a small GTP-binding protein gene, enhances leaf senescence in transgenic rice. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012 , 76, 1296-302	2.1	10
13	Expression of ER quality control-related genes in response to changes in BiP1 levels in developing rice endosperm. <i>Plant Journal</i> , 2011 , 65, 675-89	6.9	90

12	Cereal seed storage protein synthesis: fundamental processes for recombinant protein production in cereal grains. <i>Plant Biotechnology Journal</i> , 2010 , 8, 939-53	11.6	83
11	Increased lysine content in rice grains by over-accumulation of BiP in the endosperm. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010 , 74, 2529-31	2.1	26
10	Differences in transcriptional regulatory mechanisms functioning for free lysine content and seed storage protein accumulation in rice grain. <i>Plant and Cell Physiology</i> , 2010 , 51, 1964-74	4.9	29
9	Reducing rice seed storage protein accumulation leads to changes in nutrient quality and storage organelle formation. <i>Plant Physiology</i> , 2010 , 154, 1842-54	6.6	115
8	Overexpression of BiP has inhibitory effects on the accumulation of seed storage proteins in endosperm cells of rice. <i>Plant and Cell Physiology</i> , 2009 , 50, 1532-43	4.9	69
7	The 3auntranslated region of rice glutelin GluB-1 affects accumulation of heterologous protein in transgenic rice. <i>Biotechnology Letters</i> , 2009 , 31, 1625-31	3	23
6	PLASTOCHRON3/GOLIATH encodes a glutamate carboxypeptidase required for proper development in rice. <i>Plant Journal</i> , 2009 , 58, 1028-40	6.9	56
5	Compensation and interaction between RISBZ1 and RPBF during grain filling in rice. <i>Plant Journal</i> , 2009 , 59, 908-20	6.9	119
4	Characterization of a new rice glutelin gene GluD-1 expressed in the starchy endosperm. <i>Journal of Experimental Botany</i> , 2008 , 59, 4233-45	7	114
3	PLASTOCHRON2 regulates leaf initiation and maturation in rice. <i>Plant Cell</i> , 2006 , 18, 612-25	11.6	69
2	PLASTOCHRON1, a timekeeper of leaf initiation in rice, encodes cytochrome P450. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 875-80	11.5	136
1	The transcriptomic landscapes of diverse rice cultivars grown under mild drought conditions		1