

Takashi Kuromori

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.

60
papers

5,263
citations

37
h-index

62
g-index

62
ext. papers

6,252
ext. citations

6.8
avg, IF

5.36
L-index

#	Paper	IF	Citations
60	Inter-tissue and inter-organ signaling in drought stress response and phenotyping of drought tolerance. <i>Plant Journal</i> , 2021 ,	6.9	5
59	Brachypodium BdABCG25 is a homolog of Arabidopsis AtABCG25 involved in the transport of abscisic acid. <i>FEBS Letters</i> , 2021 , 595, 954-959	3.8	4
58	Drought Stress Responses and Resistance in Plants: From Cellular Responses to Long-Distance Intercellular Communication. <i>Frontiers in Plant Science</i> , 2020 , 11, 556972	6.2	67
57	Evidence for potassium transport activity of Arabidopsis KEA1-KEA6. <i>Scientific Reports</i> , 2019 , 9, 10040	4.9	27
56	SnRK1 Kinase and the NAC Transcription Factor SOG1 Are Components of a Novel Signaling Pathway Mediating the Low Energy Response Triggered by ATP Depletion. <i>Frontiers in Plant Science</i> , 2019 , 10, 503	6.2	10
55	ABA Transport and Plant Water Stress Responses. <i>Trends in Plant Science</i> , 2018 , 23, 513-522	13.1	197
54	Regulatory Gene Networks in Drought Stress Responses and Resistance in Plants. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1081, 189-214	3.6	45
53	Functional relationship of AtABCG21 and AtABCG22 in stomatal regulation. <i>Scientific Reports</i> , 2017 , 7, 12501	4.9	8
52	Acetate-mediated novel survival strategy against drought in plants. <i>Nature Plants</i> , 2017 , 3, 17097	11.5	129
51	Overexpression of AtABCG25 enhances the abscisic acid signal in guard cells and improves plant water use efficiency. <i>Plant Science</i> , 2016 , 251, 75-81	5.3	33
50	AtPHT4;4 is a chloroplast-localized ascorbate transporter in Arabidopsis. <i>Nature Communications</i> , 2015 , 6, 5928	17.4	109
49	Drought Stress Signaling Network 2014 , 383-409		9
48	Intertissue signal transfer of abscisic acid from vascular cells to guard cells. <i>Plant Physiology</i> , 2014 , 164, 1587-92	6.6	95
47	RARGE II: an integrated phenotype database of Arabidopsis mutant traits using a controlled vocabulary. <i>Plant and Cell Physiology</i> , 2014 , 55, e4	4.9	19
46	ABA Transport by ABCG Transporter Proteins. <i>Signaling and Communication in Plants</i> , 2014 , 39-47	1	
45	Stress Signaling Networks: Drought Stress 2013 , 1-23		2
44	Two glycosyltransferases involved in anthocyanin modification delineated by transcriptome independent component analysis in Arabidopsis thaliana. <i>Plant Journal</i> , 2012 , 69, 154-67	6.9	124

43	SD3, an Arabidopsis thaliana homolog of TIM21, affects intracellular ATP levels and seedling development. <i>Molecular Plant</i> , 2012 , 5, 461-71	14.4	20
42	Arabidopsis mutant of AtABCG26, an ABC transporter gene, is defective in pollen maturation. <i>Journal of Plant Physiology</i> , 2011 , 168, 2001-5	3.6	26
41	The Regulatory Networks of Plant Responses to Abscisic Acid. <i>Advances in Botanical Research</i> , 2011 , 201-248	248	5
40	Arabidopsis mutants of AtABCG22, an ABC transporter gene, increase water transpiration and drought susceptibility. <i>Plant Journal</i> , 2011 , 67, 885-94	6.9	127
39	Functional compensation of primary and secondary metabolites by duplicate genes in Arabidopsis thaliana. <i>Molecular Biology and Evolution</i> , 2011 , 28, 377-82	8.3	51
38	The Chloroplast Function Database: a large-scale collection of Arabidopsis Ds/Spm- or T-DNA-tagged homozygous lines for nuclear-encoded chloroplast proteins, and their systematic phenotype analysis. <i>Plant Journal</i> , 2010 , 61, 529-42	6.9	54
37	ABA transport factors found in Arabidopsis ABC transporters. <i>Plant Signaling and Behavior</i> , 2010 , 5, 1124-6	1124.6	39
36	ABC transporter AtABCG25 is involved in abscisic acid transport and responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 2361-6	11.5	397
35	Molecular basis of the core regulatory network in ABA responses: sensing, signaling and transport. <i>Plant and Cell Physiology</i> , 2010 , 51, 1821-39	4.9	612
34	Toward genome-wide metabolotyping and elucidation of metabolic system: metabolic profiling of large-scale bioresources. <i>Journal of Plant Research</i> , 2010 , 123, 291-8	2.6	13
33	Phenome analysis of root development in Arabidopsis. <i>Plant Biotechnology</i> , 2010 , 27, 345-347	1.3	
32	PosMed-plus: an intelligent search engine that inferentially integrates cross-species information resources for molecular breeding of plants. <i>Plant and Cell Physiology</i> , 2009 , 50, 1249-59	4.9	14
31	Evolutionary persistence of functional compensation by duplicate genes in Arabidopsis. <i>Genome Biology and Evolution</i> , 2009 , 1, 409-14	3.9	56
30	Increased expression and protein divergence in duplicate genes is associated with morphological diversification. <i>PLoS Genetics</i> , 2009 , 5, e1000781	6	31
29	MS/MS spectral tag-based annotation of non-targeted profile of plant secondary metabolites. <i>Plant Journal</i> , 2009 , 57, 555-77	6.9	191
28	Phenome analysis in plant species using loss-of-function and gain-of-function mutants. <i>Plant and Cell Physiology</i> , 2009 , 50, 1215-31	4.9	79
27	Homologous chromosome pairing is completed in crossover defective atzip4 mutant. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 370, 98-103	3.4	6
26	The glycerophosphoryl diester phosphodiesterase-like proteins SHV3 and its homologs play important roles in cell wall organization. <i>Plant and Cell Physiology</i> , 2008 , 49, 1522-35	4.9	68

25	A heterocomplex of iron superoxide dismutases defends chloroplast nucleoids against oxidative stress and is essential for chloroplast development in Arabidopsis. <i>Plant Cell</i> , 2008 , 20, 3148-62	11.6	201
24	Multiple loss-of-function of Arabidopsis gibberellin receptor AtGID1s completely shuts down a gibberellin signal. <i>Plant Journal</i> , 2007 , 50, 958-66	6.9	115
23	Cytological and biochemical analysis of COF1, an Arabidopsis mutant of an ABC transporter gene. <i>Plant and Cell Physiology</i> , 2007 , 48, 1524-33	4.9	77
22	Top-down phenomics of Arabidopsis thaliana: metabolic profiling by one- and two-dimensional nuclear magnetic resonance spectroscopy and transcriptome analysis of albino mutants. <i>Journal of Biological Chemistry</i> , 2007 , 282, 18532-18541	5.4	55
21	ABA-hypersensitive germination3 encodes a protein phosphatase 2C (AtPP2CA) that strongly regulates abscisic acid signaling during germination among Arabidopsis protein phosphatase 2Cs. <i>Plant Physiology</i> , 2006 , 140, 115-26	6.6	284
20	A trial of phenome analysis using 4000 Ds-insertional mutants in gene-coding regions of Arabidopsis. <i>Plant Journal</i> , 2006 , 47, 640-51	6.9	96
19	Arabidopsis SPO11-2 functions with SPO11-1 in meiotic recombination. <i>Plant Journal</i> , 2006 , 48, 206-16	6.9	155
18	An Arabidopsis chloroplast-targeted Hsp101 homologue, APG6, has an essential role in chloroplast development as well as heat-stress response. <i>Plant Journal</i> , 2006 , 48, 249-60	6.9	62
17	Loss of Necrotic Spotted Lesions 1 associates with cell death and defense responses in Arabidopsis thaliana. <i>Plant Molecular Biology</i> , 2006 , 62, 29-42	4.6	43
16	RARGE: a large-scale database of RIKEN Arabidopsis resources ranging from transcriptome to phenome. <i>Nucleic Acids Research</i> , 2005 , 33, D647-50	20.1	66
15	Analysis of ABA hypersensitive germination2 revealed the pivotal functions of PARN in stress response in Arabidopsis. <i>Plant Journal</i> , 2005 , 44, 972-84	6.9	116
14	A resource of 5,814 dissociation transposon-tagged and sequence-indexed lines of Arabidopsis transposed from start loci on chromosome 5. <i>Plant and Cell Physiology</i> , 2005 , 46, 1149-53	4.9	52
13	AtIPT3 is a key determinant of nitrate-dependent cytokinin biosynthesis in Arabidopsis. <i>Plant and Cell Physiology</i> , 2004 , 45, 1053-62	4.9	295
12	Expression and interaction analysis of Arabidopsis Skp1-related genes. <i>Plant and Cell Physiology</i> , 2004 , 45, 83-91	4.9	64
11	Quantitative trait loci analysis of nitrate storage in Arabidopsis leading to an investigation of the contribution of the anion channel gene, AtCLC-c, to variation in nitrate levels. <i>Journal of Experimental Botany</i> , 2004 , 55, 2005-14	7	55
10	A collection of 11 800 single-copy Ds transposon insertion lines in Arabidopsis. <i>Plant Journal</i> , 2004 , 37, 897-905	6.9	183
9	A new resource of locally transposed Dissociation elements for screening gene-knockout lines in silico on the Arabidopsis genome. <i>Plant Physiology</i> , 2002 , 129, 1695-9	6.6	91
8	Global patterns of human DNA sequence variation in a 10-kb region on chromosome 1. <i>Molecular Biology and Evolution</i> , 2001 , 18, 214-22	8.3	108

7	Arabidopsis cDNA clones isolated by transcomplementation of the fission yeast cAMP phosphodiesterase mutant. <i>DNA Research</i> , 2001 , 8, 189-92	4.5	0
6	Identification of a cDNA from Arabidopsis thaliana Encoding a Member of the Conserved SUG1 Protein Family by Complementation Screening in Fission Yeast Meiotic Mutants.. <i>Plant Biotechnology</i> , 2001 , 18, 169-174	1.3	
5	Members of the Arabidopsis 14-3-3 gene family trans-complement two types of defects in fission yeast. <i>Plant Science</i> , 2000 , 158, 155-161	5.3	24
4	Genetic definition and sequence analysis of Arabidopsis centromeres. <i>Science</i> , 1999 , 286, 2468-74	33.3	381
3	Functional cloning of a cDNA encoding Mei2-like protein from Arabidopsis thaliana using a fission yeast pheromone receptor deficient mutant. <i>FEBS Letters</i> , 1997 , 413, 16-20	3.8	22
2	Cloning of cDNAs from Arabidopsis thaliana that encode putative protein phosphatase 2C and a human Dr1-like protein by transformation of a fission yeast mutant. <i>Nucleic Acids Research</i> , 1994 , 22, 5296-301	20.1	43
1	Ds Transposon Mutant Lines for Saturation Mutagenesis of the Arabidopsis genome 17-30		