Takashi Kuromori

List of Publications by Year
in descending order

60	6,887	81900	149698
papers	citations	39 h-index	56 g-index

62	62	62	8626
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interâ€tissue and interâ€organ signaling in drought stress response and phenotyping of drought tolerance. Plant Journal, 2022, 109, 342-358.	5.7	50
2	Brachypodium BdABCG25 is a homolog of Arabidopsis AtABCG25 involved in the transport of abscisic acid. FEBS Letters, 2021, 595, 954-959.	2.8	8
3	Drought Stress Responses and Resistance in Plants: From Cellular Responses to Long-Distance Intercellular Communication. Frontiers in Plant Science, 2020, 11, 556972.	3.6	199
4	Evidence for potassium transport activity of Arabidopsis KEA1-KEA6. Scientific Reports, 2019, 9, 10040.	3.3	42
5	SnRK1 Kinase and the NAC Transcription Factor SOG1 Are Components of a Novel Signaling Pathway Mediating the Low Energy Response Triggered by ATP Depletion. Frontiers in Plant Science, 2019, 10, 503.	3.6	18
6	ABA Transport and Plant Water Stress Responses. Trends in Plant Science, 2018, 23, 513-522.	8.8	343
7	Regulatory Gene Networks in Drought Stress Responses and Resistance in Plants. Advances in Experimental Medicine and Biology, 2018, 1081, 189-214.	1.6	91
8	Functional relationship of AtABCG21 and AtABCG22 in stomatal regulation. Scientific Reports, 2017, 7, 12501.	3.3	12
9	Acetate-mediated novel survival strategy against drought in plants. Nature Plants, 2017, 3, 17097.	9.3	232
10	Overexpression of AtABCG25 enhances the abscisic acid signal in guard cells and improves plant water use efficiency. Plant Science, 2016, 251, 75-81.	3.6	45
11	AtPHT4;4 is a chloroplast-localized ascorbate transporter in Arabidopsis. Nature Communications, 2015, 6, 5928.	12.8	145
12	RARGE II: An Integrated Phenotype Database of Arabidopsis Mutant Traits Using a Controlled Vocabulary. Plant and Cell Physiology, 2014, 55, e4-e4.	3.1	32
13	Drought Stress Signaling Network. , 2014, , 383-409.		23
14	Intertissue Signal Transfer of Abscisic Acid from Vascular Cells to Guard Cells Â. Plant Physiology, 2014, 164, 1587-1592.	4.8	123
15	ABA Transport by ABCG Transporter Proteins. Signaling and Communication in Plants, 2014, , 39-47.	0.7	0
16	Stress Signaling Networks: Drought Stress. , 2013, , 1-23.		3
17	SD3, an Arabidopsis thaliana Homolog of TIM21, Affects Intracellular ATP Levels and Seedling Development. Molecular Plant, 2012, 5, 461-471.	8.3	31
18	Two glycosyltransferases involved in anthocyanin modification delineated by transcriptome independent component analysis in Arabidopsis thaliana. Plant Journal, 2012, 69, 154-167.	5.7	164

#	Article	IF	Citations
19	Arabidopsis mutant of AtABCG26, an ABC transporter gene, is defective in pollen maturation. Journal of Plant Physiology, 2011, 168, 2001-2005.	3.5	35
20	The Regulatory Networks of Plant Responses to Abscisic Acid. Advances in Botanical Research, 2011, , 201-248.	1.1	6
21	Arabidopsis mutants of AtABCG22, an ABC transporter gene, increase water transpiration and drought susceptibility. Plant Journal, 2011, 67, 885-894.	5.7	164
22	Functional Compensation of Primary and Secondary Metabolites by Duplicate Genes in Arabidopsis thaliana. Molecular Biology and Evolution, 2011, 28, 377-382.	8.9	76
23	Toward genome-wide metabolotyping and elucidation of metabolic system: metabolic profiling of large-scale bioresources. Journal of Plant Research, 2010, 123, 291-298.	2.4	13
24	The Chloroplast Function Database: a largeâ€scale collection of Arabidopsis Ds/Spmâ€or Tâ€DNAâ€tagged homozygous lines for nuclearâ€encoded chloroplast proteins, and their systematic phenotype analysis. Plant Journal, 2010, 61, 529-542.	5.7	60
25	ABA transport factors found in Arabidopsis ABC transporters. Plant Signaling and Behavior, 2010, 5, 1124-1126.	2.4	47
26	ABC transporter AtABCG25 is involved in abscisic acid transport and responses. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2361-2366.	7.1	494
27	Molecular Basis of the Core Regulatory Network in ABA Responses: Sensing, Signaling and Transport. Plant and Cell Physiology, 2010, 51, 1821-1839.	3.1	800
28	Phenome analysis of root development in Arabidopsis. Plant Biotechnology, 2010, 27, 345-347.	1.0	0
29	PosMed-plus: An Intelligent Search Engine that Inferentially Integrates Cross-Species Information Resources for Molecular Breeding of Plants. Plant and Cell Physiology, 2009, 50, 1249-1259.	3.1	17
30	Evolutionary Persistence of Functional Compensation by Duplicate Genes in Arabidopsis. Genome Biology and Evolution, 2009, 1, 409-414.	2.5	81
31	Increased Expression and Protein Divergence in Duplicate Genes Is Associated with Morphological Diversification. PLoS Genetics, 2009, 5, e1000781.	3.5	50
32	MS/MS spectral tagâ€based annotation of nonâ€targeted profile of plant secondary metabolites. Plant Journal, 2009, 57, 555-577.	5.7	208
33	Phenome Analysis in Plant Species Using Loss-of-Function and Gain-of-Function Mutants. Plant and Cell Physiology, 2009, 50, 1215-1231.	3.1	83
34	Homologous chromosome pairing is completed in crossover defective atzip4 mutant. Biochemical and Biophysical Research Communications, 2008, 370, 98-103.	2.1	9
35	The Glycerophosphoryl Diester Phosphodiesterase-Like Proteins SHV3 and its Homologs Play Important Roles in Cell Wall Organization. Plant and Cell Physiology, 2008, 49, 1522-1535.	3.1	103
36	A Heterocomplex of Iron Superoxide Dismutases Defends Chloroplast Nucleoids against Oxidative Stress and Is Essential for Chloroplast Development inArabidopsis. Plant Cell, 2008, 20, 3148-3162.	6.6	270

#	Article	IF	Citations
37	Cytological and Biochemical Analysis of COF1, an Arabidopsis Mutant of an ABC Transporter Gene. Plant and Cell Physiology, 2007, 48, 1524-1533.	3.1	84
38	Top-down Phenomics of Arabidopsis thaliana. Journal of Biological Chemistry, 2007, 282, 18532-18541.	3.4	58
39	Multiple loss-of-function of Arabidopsis gibberellin receptor AtGID1s completely shuts down a gibberellin signal. Plant Journal, 2007, 50, 958-966.	5.7	136
40	A trial of phenome analysis using 4000Ds-insertional mutants in gene-coding regions of Arabidopsis. Plant Journal, 2006, 47, 640-651.	5.7	110
41	Arabidopsis SPO11â€2 functions with SPO11â€1 in meiotic recombination. Plant Journal, 2006, 48, 206-216.	5.7	206
42	An Arabidopsis chloroplast-targeted Hsp101 homologue, APG6, has an essential role in chloroplast development as well as heat-stress response. Plant Journal, 2006, 48, 249-260.	5.7	81
43	Loss of NECROTIC SPOTTED LESIONS 1 associates with cell death and defense responses in Arabidopsis thaliana. Plant Molecular Biology, 2006, 62, 29-42.	3.9	68
44	ABA-Hypersensitive Germination3 Encodes a Protein Phosphatase 2C (AtPP2CA) That Strongly Regulates Abscisic Acid Signaling during Germination among Arabidopsis Protein Phosphatase 2Cs. Plant Physiology, 2006, 140, 115-126.	4.8	344
45	Analysis of ABA Hypersensitive Germination2 revealed the pivotal functions of PARN in stress response in Arabidopsis. Plant Journal, 2005, 44, 972-984.	5.7	131
46	A Resource of 5,814 Dissociation Transposon-tagged and Sequence-indexed Lines of Arabidopsis Transposed from Start Loci on Chromosome 5. Plant and Cell Physiology, 2005, 46, 1149-1153.	3.1	58
47	AtIPT3 is a Key Determinant of Nitrate-Dependent Cytokinin Biosynthesis in Arabidopsis. Plant and Cell Physiology, 2004, 45, 1053-1062.	3.1	343
48	Expression and Interaction Analysis of Arabidopsis Skp1-Related Genes. Plant and Cell Physiology, 2004, 45, 83-91.	3.1	67
49	RARGE: a large-scale database of RIKEN Arabidopsis resources ranging from transcriptome to phenome. Nucleic Acids Research, 2004, 33, D647-D650.	14.5	73
50	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. Journal of Experimental Botany, 2004, 55, 2005-2014.	4.8	65
51	A collection of 11â€ƒ800 single-copyDstransposon insertion lines inArabidopsis. Plant Journal, 2004, 37, 897-905.	5.7	203
52	A New Resource of Locally Transposed DissociationElements for Screening Gene-Knockout Lines in Silico on the Arabidopsis Genome. Plant Physiology, 2002, 129, 1695-1699.	4.8	103
53	Global Patterns of Human DNA Sequence Variation in a 10-kb Region on Chromosome 1. Molecular Biology and Evolution, 2001, 18, 214-222.	8.9	157
54	Arabidopsis cDNA Clones Isolated by Transcomplementation of the Fission Yeast cAMP Phosphodiesterase Mutant. DNA Research, 2001, 8, 189-192.	3.4	1

#	Article	IF	Citations
55	Identification of a cDNA from Arabidopsis thaliana Encoding a Member of the Conserved SUG1 Protein Family by Complementation Screening in Fission Yeast Meiotic Mutants.. Plant Biotechnology, 2001, 18, 169-174.	1.0	0
56	Members of the Arabidopsis 14-3-3 gene family trans-complement two types of defects in fission yeast. Plant Science, 2000, 158, 155-161.	3.6	25
57	Genetic Definition and Sequence Analysis of Arabidopsis Centromeres. Science, 1999, 286, 2468-2474.	12.6	417
58	Functional cloning of a cDNA encoding Mei2â€like protein from Arabidopsis thaliana using a fission yeast pheromone receptor deficient mutant. FEBS Letters, 1997, 413, 16-20.	2.8	22
59	Cloning of cDNAs from Arabidopsis thaliana that encode putative protein phosphatase 2C and a human DM-like protein by transformation of a fission yeast mutant. Nucleic Acids Research, 1994, 22, 5296-5301.	14.5	47
60	Ds Transposon Mutant Lines for Saturation Mutagenesis of theArabidopsis genome. , 0, , 17-30.		0