Yutaka Sato

List of Publications by Year in descending order

24 papers	1,189 citations	687363 13 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	1519 citing authors

#	Article	IF	Citations
1	RiceXPro Version 3.0: expanding the informatics resource for rice transcriptome. Nucleic Acids Research, 2013, 41, D1206-D1213.	14.5	312
2	Isolation and characterization of a rice WUSCHEL-type homeobox gene that is specifically expressed in the central cells of a quiescent center in the root apical meristem. Plant Journal, 2003, 35, 429-441.	5.7	231
3	A method for obtaining high quality RNA from paraffin sections of plant tissues by laser microdissection. Journal of Plant Research, 2010, 123, 807-813.	2.4	106
4	OsIAA13-mediated auxin signaling is involved in lateral root initiation in rice. Plant Science, 2012, 190, 116-122.	3.6	103
5	Antagonistic regulation of the gibberellic acid response during stem growth in rice. Nature, 2020, 584, 109-114.	27.8	98
6	Position dependent expression of GL2-type homeobox gene, Roc1: significance for protoderm differentiation and radial pattern formation in early rice embryogenesis. Plant Journal, 2002, 29, 497-507.	5.7	78
7	Roles of Rice GL2-type Homeobox Genes in Epidermis Differentiation. Breeding Science, 2003, 53, 245-253.	1.9	27
8	Adaptive reduction of male gamete number in the selfing plant Arabidopsis thaliana. Nature Communications, 2020, 11, 2885.	12.8	27
9	WUSCHEL-related homeobox family genes in rice control lateral root primordium size. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	26
10	LEAF LATERAL SYMMETRY1, a Member of the WUSCHEL-RELATED HOMEOBOX3 Gene Family, Regulates Lateral Organ Development Differentially from Other Paralogs, NARROW LEAF2 and NARROW LEAF3 in Rice. Plant and Cell Physiology, 2018, 59, 376-391.	3.1	25
11	Agrobacterium-Mediated Genetic Transformation of Wild Oryza Species Using Immature Embryos. Rice, 2020, 13, 33.	4.0	25
12	Rice <scp>SNF</scp>2 family helicase <scp>ENL</scp>1 is essential for syncytial endosperm development. Plant Journal, 2015, 81, 1-12.	5.7	24
13	Mutation of the imprinted geneOsEMF2ainduces autonomous endosperm development and delayed cellularization in rice. Plant Cell, 2021, 33, 85-103.	6.6	23
14	Evolution and diversity of the wild rice Oryza officinalis complex, across continents genome types, and ploidy levels. Genome Biology and Evolution, 2020, 12, 413-428.	2.5	17
15	OryzaGenome2.1: Database of Diverse Genotypes in Wild Oryza Species. Rice, 2021, 14, 24.	4.0	17
16	Specification of the basal region identity after asymmetric zygotic division requires mitogen-activated protein kinase 6 in rice. Development (Cambridge), 2019, 146, .	2.5	12
17	RNAi of the sesquiterpene cyclase gene for phytoalexin production impairs preâ€•and postâ€•invasive resistance to potato blight pathogens. Molecular Plant Pathology, 2019, 20, 907-922.	4.2	10
18	Affinityâ€based highâ€resolution analysis of DNA binding by VASCULARâ€RELATED NACâ€DOMAIN7 via fluorescence correlation spectroscopy. Plant Journal, 2019, 100, 298-313.	5.7	8

#	Article	IF	Citations
19	Collection, preservation and distribution of <i>Oryza</i> genetic resources by the National Bioresource Project RICE (NBRP-RICE). Breeding Science, 2021, 71, 291-298.	1.9	5
20	Temporal changes in transcripts of miniature invertedâ€repeat transposable elements during rice endosperm development. Plant Journal, 2022, 109, 1035-1047.	5.7	5
21	NARROW AND DWARF LEAF 1, the Ortholog of Arabidopsis ENHANCER OF SHOOT REGENERATION1/DORNRÃ–SCHEN, Mediates Leaf Development and Maintenance of the Shoot Apical Meristem in Oryza sativa L. Plant and Cell Physiology, 2022, 63, 265-278.	3.1	4
22	Measurements of the number of specified and unspecified cells in the shoot apical meristem during a plastochron in rice (Oryza sativa) reveal the robustness of cellular specification process in plant development. PLoS ONE, 2022, 17, e0269374.	2.5	4
23	High-resolution spatiotemporal transcriptome analyses during cellularization of rice endosperm unveil the earliest gene regulation critical for aleurone and starchy endosperm cell fate specification. Journal of Plant Research, 2021, 134, 1061-1081.	2.4	2
24	Perspectives on the use of bioresources in breeding sciences: Lessons from successful studies. Ikushugaku Kenkyu, 2019, 21, 81-85.	0.3	0