Hiro-Yuki Hirano

List of Publications by Year
in descending order

84 papers	5,507 citations	94433 37 h-index	79698 73 g-index
84 all docs	84 docs citations	84 times ranked	4020 citing authors

#	Article	IF	Citations
1	Flower meristem maintenance by <i>TILLERS ABSENT 1</i> is essential for ovule development in rice. Development (Cambridge), 2021, 148, .	2.5	5
2	Antagonistic action of <i>TILLERS ABSENT1</i> and <i>FLORAL ORGAN NUMBER2</i> regulates stem cell maintenance during axillary meristem development in rice. New Phytologist, 2020, 225, 974-984.	7.3	17
3	CURLED LATER1 encoding the largest subunit of the Elongator complex has a unique role in leaf development and meristem function in rice. Plant Journal, 2020, 104, 351-364.	5.7	2
4	Stem Cell Maintenance in the Shoot Apical Meristems and during Axillary Meristem Development. Cytologia, 2020, 85, 3-8.	0.6	6
5	<i>TILLERS ABSENT1</i>, the<i>WUSCHEL</i>ortholog, is not involved in stem cell maintenance in the shoot apical meristem in rice. Plant Signaling and Behavior, 2019, 14, 1640565.	2.4	15
6	DWARF WITH SLENDER LEAF1 encoding a histone deacetylase plays diverse roles in rice development. Plant and Cell Physiology, 2019, 61, 457-469.	3.1	2
7	Rice Flower Development Revisited: Regulation of Carpel Specification and Flower Meristem Determinacy. Plant and Cell Physiology, 2019, 60, 1284-1295.	3.1	22
8	<i><scp>BELL</scp>1</i>â€like homeobox genes regulate inflorescence architecture and meristem maintenance in rice. Plant Journal, 2019, 98, 465-478.	5.7	20
9	Transcriptional Corepressor ASP1 and CLV-Like Signaling Regulate Meristem Maintenance in Rice. Plant Physiology, 2019, 180, 1520-1534.	4.8	20
10	Class I KNOX Gene <i>OSH1</i> is Indispensable for Axillary Meristem Development in Rice. Cytologia, 2019, 84, 343-346.	0.6	7
11	WUSCHEL-RELATED HOMEOBOX4 acts as a key regulator in early leaf development in rice. PLoS Genetics, 2018, 14, e1007365.	3.5	44
12	Two-Color In Situ Hybridization: A Technique for Simultaneous Detection of Transcripts from Different Loci. Methods in Molecular Biology, 2018, 1830, 269-287.	0.9	7
13	Three <i><scp>TOB</scp>1</i>â€related <i><scp>YABBY</scp></i> genes are required to maintain proper function of the spikelet and branch meristems in rice. New Phytologist, 2017, 215, 825-839.	7.3	60
14	Genetic Enhancer Analysis Reveals that FLORAL ORGAN NUMBER2 and OsMADS3 Co-operatively Regulate Maintenance and Determinacy of the Flower Meristem in Rice. Plant and Cell Physiology, 2017, 58, 893-903.	3.1	29
15	Characterization of a <i>half-pipe-like leaf1</i> mutant that exhibits a curled leaf phenotype. Genes and Genetic Systems, 2017, 92, 287-291.	0.7	5
16	Polar patterning of the spikelet is disrupted in the <i>two opposite lemma</i> mutant in rice. Genes and Genetic Systems, 2016, 91, 193-200.	0.7	1
17	Genetic analysis of rice mutants responsible for narrow leaf phenotype and reduced vein number. Genes and Genetic Systems, 2016, 91, 235-240.	0.7	9
18	Generation of artificial <i>drooping leaf</i> mutants by CRISPR-Cas9 technology in rice. Genes and Genetic Systems, 2015, 90, 231-235.	0.7	24

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19	Analysis of a rice <i>fickle spikelet1</i> mutant that displays an increase in flower and spikelet organ number with inconstant expressivity. Genes and Genetic Systems, 2015, 90, 181-184.	0.7	2
20	Axillary Meristem Formation in Rice Requires the <i>WUSCHEL</i> Ortholog <i>TILLERS ABSENT1</i>. Plant Cell, 2015, 27, 1173-1184.	6.6	141
21	The <i><scp>DROOPING LEAF</scp></i> and <i><scp>O</scp>s<scp>ETTIN</scp>2</i> genes promote awn development in rice. Plant Journal, 2014, 77, 616-626.	5.7	71
22	Flower Development in Rice. Advances in Botanical Research, 2014, 72, 221-262.	1.1	12
23	Overexpression analysis suggests that <i>FON2-LIKE CLE PROTEIN1</i> is involved in rice leaf development. Genes and Genetic Systems, 2014, 89, 87-91.	0.7	5
24	A role for <i>TRIANGULAR HULL1</i> in fine-tuning spikelet morphogenesis in rice. Genes and Genetic Systems, 2014, 89, 61-69.	0.7	18
25	Grass Flower Development. Methods in Molecular Biology, 2014, 1110, 57-84.	0.9	39
26	Two WUSCHEL-related homeobox Genes, narrow leaf2 and narrow leaf3, Control Leaf Width in Rice. Plant and Cell Physiology, 2013, 54, 779-792.	3.1	85
27	Grass Meristems I: Shoot Apical Meristem Maintenance, Axillary Meristem Determinacy and the Floral Transition. Plant and Cell Physiology, 2013, 54, 302-312.	3.1	109
28	<i>WUSCHEL-RELATED HOMEOBOX4</i>Is Involved in Meristem Maintenance and Is Negatively Regulated by the CLE Gene<i>FCP1</i>in Rice. Plant Cell, 2013, 25, 229-241.	6.6	129
29	Grass Meristems II: Inflorescence Architecture, Flower Development and Meristem Fate. Plant and Cell Physiology, 2013, 54, 313-324.	3.1	159
30	Formation of two florets within a single spikelet in the rice tongari-boushi1 mutant. Plant Signaling and Behavior, 2012, 7, 793-795.	2.4	9
31	The<i>YABBY</i>Gene<i>TONGARI-BOUSHI1</i>Is Involved in Lateral Organ Development and Maintenance of Meristem Organization in the Rice Spikelet. Plant Cell, 2012, 24, 80-95.	6.6	132
32	<i>ABERRANT SPIKELET AND PANICLE1</i>, encoding a TOPLESSâ€related transcriptional coâ€repressor, is involved in the regulation of meristem fate in rice. Plant Journal, 2012, 70, 327-339.	5.7	109
33	Temporal and spatial regulation of <i>DROOPING LEAF</i> gene expression that promotes midrib formation in rice. Plant Journal, 2011, 65, 77-86.	5.7	77
34	Common and distinct mechanisms underlying the establishment of adaxial and abaxial polarity in stamen and leaf development. Plant Signaling and Behavior, 2011, 6, 430-433.	2.4	7
35	Distinct Regulation of Adaxial-Abaxial Polarity in Anther Patterning in Rice Â Â. Plant Cell, 2010, 22, 1452-1462.	6.6	96
36	The homeotic gene <i>long sterile lemma</i> (<i>G1</i>) specifies sterile lemma identity in the rice spikelet. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20103-20108.	7.1	163

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37	FON2 SPARE1 Redundantly Regulates Floral Meristem Maintenance with FLORAL ORGAN NUMBER2 in Rice. PLoS Genetics, 2009, 5, e1000693.	3.5	58
38	The spatial expression patterns of DROOPING LEAF orthologs suggest a conserved function in grasses. Genes and Genetic Systems, 2009, 84, 137-146.	0.7	64
39	Allelic diversification at the wx locus in landraces of Asian rice. Theoretical and Applied Genetics, 2008, 116, 979-989.	3.6	142
40	Genetic Regulation of Meristem Maintenance and Organ Specification in Rice Flower Development. Biotechnology in Agriculture and Forestry, 2008, , 177-189.	0.2	1
41	A Transposon, Ping, is Integrated into Intron 4 of the DROOPING LEAF Gene of Rice, Weakly Reducing its Expression and Causing a Mild Drooping Leaf Phenotype. Plant and Cell Physiology, 2008, 49, 1176-1184.	3.1	41
42	Functional Diversification of CLAVATA3-Related CLE Proteins in Meristem Maintenance in Rice Â. Plant Cell, 2008, 20, 2049-2058.	6.6	94
43	Genome-wide expression profiling and identification of genes under the control of the DROOPING LEAF gene during midrib development in rice. Genes and Genetic Systems, 2008, 83, 237-244.	0.7	3
44	Molecular characterization the YABBY gene family in Oryza sativa and expression analysis of OsYABBY1. Molecular Genetics and Genomics, 2007, 277, 457-468.	2.1	124
45	Function and Diversification of MADS-Box Genes in Rice. Scientific World Journal, The, 2006, 6, 1923-1932.	2.1	64
46	Conservation and Diversification of Meristem Maintenance Mechanism in Oryza sativa : Function of the FLORAL ORGAN NUMBER2 Gene. Plant and Cell Physiology, 2006, 47, 1591-1602.	3.1	159
47	Function and Diversification of MADS-Box Genes in Rice. TSW Development & Embryology, 2006, 1, 99-108.	0.2	8
48	OsNAC6, a member of the NAC gene family, is induced by various stresses in rice. Genes and Genetic Systems, 2005, 80, 135-139.	0.7	158
49	Anaconda, a new class of transposon belonging to the Mu superfamily, has diversified by acquiring host genes during rice evolution. Molecular Genetics and Genomics, 2005, 274, 606-15.	2.1	12
50	Genetics and Evolution of Inflorescence and Flower Development in Grasses. Plant and Cell Physiology, 2005, 46, 69-78.	3.1	203
51	Functional Diversification of the Two C-Class MADS Box Genes OSMADS3 and OSMADS58 in Oryza sativa. Plant Cell, 2005, 18, 15-28.	6.6	322
52	The YABBY Gene DROOPING LEAF Regulates Carpel Specification and Midrib Development in Oryza sativa Â[W]. Plant Cell, 2004, 16, 500-509.	6.6	390
53	Differences in Starch Characteristics of Rice Strains Having Different Sensitivities to Maturation Temperatures. Journal of Agronomy and Crop Science, 2004, 190, 218-221.	3.5	12
54	The gene FLORAL ORGAN NUMBER1 regulates floral meristem size in rice and encodes a leucine-rich repeat receptor kinase orthologous to Arabidopsis CLAVATA1. Development (Cambridge), 2004, 131, 5649-5657.	2.5	267

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55	Isolation of mutants with aberrant mitochondrial morphology from Arabidopsis thaliana. Genes and Genetic Systems, 2004, 79, 301-305.	0.7	26
56	Role of Amylose in the Maintenance of the Configuration of Rice Starch Granules. Starch/Staerke, 2003, 55, 524-528.	2.1	20
57	The plant MITE mPing is mobilized in anther culture. Nature, 2003, 421, 167-170.	27.8	251
58	SUPERWOMAN1 and DROOPING LEAFgenes control floral organ identity in rice. Development (Cambridge), 2003, 130, 705-718.	2.5	412
59	Starch Characteristics of the Rice Mutantdu2-2Taichung 65 Highly Affected by Environmental Temperatures During Seed Development. Cereal Chemistry, 2003, 80, 184-187.	2.2	22
60	Title is missing!. Euphytica, 2002, 123, 95-100.	1.2	17
61	Mutations that cause amino acid substitutions at the invariant positions in homeodomain of OSH3 KNOX protein suggest artificial selection during rice domestication.. Genes and Genetic Systems, 2001, 76, 381-392.	0.7	12
62	Auxin response factor family in rice.. Genes and Genetic Systems, 2001, 76, 373-380.	0.7	39
63	Comparison of Waxy gene regulation in the endosperm and pollen in Oryza sativa L.. Genes and Genetic Systems, 2000, 75, 245-249.	0.7	18
64	Effects of the two most common Wx alleles on different genetic backgrounds in rice. Plant Breeding, 2000, 119, 505-508.	1.9	27
65	Molecular analysis of the NAC gene family in rice. Molecular Genetics and Genomics, 2000, 262, 1047-1051.	2.4	206
66	Analysis of intragenic recombination at<i>wx</i>in rice: Correlation between the molecular and genetic maps within the locus. Genome, 2000, 43, 589-596.	2.0	60
67	Analysis of intragenic recombination at <i>wx</i> in rice: Correlation between the molecular and genetic maps within the locus. Genome, 2000, 43, 589-596.	2.0	18
68	Altered tissue-specific expression at the Wx gene of the opaque mutants in rice. Euphytica, 1999, 105, 91-97.	1.2	62
69	Amyloplast formation in cultured tobacco cells. III Determination of the timing of gene expression necessary for starch accumulation. Plant Cell Reports, 1999, 18, 589-594.	5.6	9
70	Enhancement of Wx Gene Expression and the Accumulation of Amylose in Response to Cool Temperatures during Seed Development in Rice. Plant and Cell Physiology, 1998, 39, 807-812.	3.1	102
71	A single base change altered the regulation of the Waxy gene at the posttranscriptional level during the domestication of rice. Molecular Biology and Evolution, 1998, 15, 978-987.	8.9	177
72	A Rapid and Easy-handling Procedure for Isolation of DNA from Rice, Arabidopsis and Tobacco.. Plant Biotechnology, 1998, 15, 45-48.	1.0	5

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73	Retrotransposition of a plant SINE into the wx locus during evolution of rice. Journal of Molecular Evolution, 1994, 38, 132-137.	1.8	42
74	Gamete Eliminator Adjacent to the wx Locus as Recealed by Pollen Analysis in Rice. Journal of Heredity, 1994, 85, 310-312.	2.4	20
75	Classification and relationships of rice strains with AA genome by identification of transposable elements at nine loci.. Japanese Journal of Genetics, 1993, 68, 205-217.	1.0	32
76	Genetic and Developmental Bases for Phenotypic Plasticity in Deepwater Rice. Journal of Heredity, 1993, 84, 201-205.	2.4	10
77	Genetic Regulation of the Amylose Synthesis of Rice.. Journal of the Japanese Society of Starch Science, 1993, 40, 195-201.	0.1	0
78	A nuclear gene modifying instability of fertility restoration in cytoplasmic male sterile rice. Genetical Research, 1992, 60, 195-200.	0.9	5
79	Analysis of intergenic spacer regions in the nuclear rDNA of <i>Pharbitis nil</i>. Genome, 1992, 35, 92-97.	2.0	8
80	Molecular Characterization of the waxy Locus of Rice (Oryza sativa). Plant and Cell Physiology, 1991, 32, 989-997.	3.1	93
81	Cloning and structural analysis of the snap-back DNA of Pharbitis nil. Plant Molecular Biology, 1989, 12, 235-244.	3.9	6
82	Unique repetitive sequences of 170 bp inChlorella. Plant Molecular Biology, 1986, 7, 311-317.	3.9	3
83	Isolation of High Molecular Weight Cellular DNA with a Novel Granulated Hydroxylapatite. Agricultural and Biological Chemistry, 1986, 50, 219-221.	0.3	3
84	High-flow-rate hydroxylapatites. Analytical Biochemistry, 1985, 150, 228-234.	2.4	22