Hirokazu Tsukaya

List of Publications by Year
in descending order

239	12,558	25034	30087
papers	citations	57 h-index	103 g-index

249	249	249	9335
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fibonacci spirals may not need the Golden Angle. Quantitative Plant Biology, 2022, 3, .	2.0	1
2	Protein Kinase MpYAK1 Is Involved in Meristematic Cell Proliferation, Reproductive Phase Change and Nutrient Signaling in the Liverwort Marchantia polymorpha. Plant and Cell Physiology, 2022, 63, 1063-1077.	3.1	1
3	Dynamic rearrangement and autophagic degradation of mitochondria during spermiogenesis in the liverwort Marchantia polymorpha. Cell Reports, 2022, 39, 110975.	6.4	7
4	Two atypical ANGUSTIFOLIA without a plantâ€specific Câ€terminus regulate gametophore and sporophyte shapes in the moss Physcomitrium (Physcomitrella) patens. Plant Journal, 2021, 105, 1390-1399.	5.7	5
5	A Pulseâ€“chase EdU Method for Detection of Cell Division Orientation in Arabidopsis and Juncus prismatocarpus Leaf Primordia. Bio-protocol, 2021, 11, e3882.	0.4	0
6	Stem integrity inArabidopsis thalianarequires a load-bearing epidermis. Development (Cambridge), 2021, 148, .	2.5	9
7	A Role for Auxin in Triggering Lamina Outgrowth of Unifacial Leaves. Plant Physiology, 2021, 186, 1013-1024.	4.8	3
8	The diversity of stomatal development regulation in Callitriche is related to the intrageneric diversity in lifestyles. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	14
9	Three-dimensional quantification of twisting in the Arabidopsis petiole. Journal of Plant Research, 2021, 134, 811-819.	2.4	5
10	Identification of the unique molecular framework of heterophylly in the amphibious plantCallitriche palustrisL. Plant Cell, 2021, 33, 3272-3292.	6.6	22
11	The leaf meristem enigma: The relationship between the plate meristem and the marginal meristem. Plant Cell, 2021, 33, 3194-3206.	6.6	26
12	An Agrobacteriumâ€mediated stable transformation technique for the hornwort model Anthoceros agrestis. New Phytologist, 2021, 232, 1488-1505.	7.3	18
13	An auxin signaling network translates low-sugar-state input into compensated cell enlargement in the fugu5 cotyledon. PLoS Genetics, 2021, 17, e1009674.	3.5	29
14	Callitriche as a potential model system for evolutionary studies on the dorsiventral distribution of stomata. Plant Signaling and Behavior, 2021, 16, 1978201.	2.4	6
15	A plant-specific DYRK kinase DYRKP coordinates cell morphology in Marchantia polymorpha. Journal of Plant Research, 2021, 134, 1265-1277.	2.4	5
16	Two ANGUSTIFOLIA genes regulate gametophore and sporophyte development in Physcomitrella patens. Plant Journal, 2020, 101, 1318-1330.	5.7	13
17	Morphological characterization of domatium development in Callicarpa saccata. Annals of Botany, 2020, 125, 521-532.	2.9	2
18	Expression Profiles of ANGUSTIFOLIA3 and SHOOT MERISTEMLESS, Key Genes for Meristematic Activity in a One-Leaf Plant Monophyllaea glabra, Revealed by Whole-Mount In Situ Hybridization. Frontiers in Plant Science, 2020, 11, 1160.	3.6	9

#	Article	IF	Citations
19	Metabolic Control of Gametophore Shoot Formation through Arginine in the Moss Physcomitrium patens. Cell Reports, 2020, 32, 108127.	6.4	28
20	Excess Pyrophosphate Restrains Pavement Cell Morphogenesis and Alters Organ Flatness in Arabidopsis thaliana. Frontiers in Plant Science, 2020, 11, 31.	3.6	10
21	Dimorphic Leaf Development of the Aquatic Plant Callitriche palustris L. Through Differential Cell Division and Expansion. Frontiers in Plant Science, 2020, 11, 269.	3.6	19
22	Suppression of class I compensated cell enlargement by xs2Âmutation is mediated by salicylic acid signaling. PLoS Genetics, 2020, 16, e1008873.	3.5	10
23	Quantitative Imaging Reveals Distinct Contributions of SnRK2 and ABI3 in Plasmodesmatal Permeability in Physcomitrella patens. Plant and Cell Physiology, 2020, 61, 942-956.	3.1	10
24	an3-Mediated Compensation Is Dependent on a Cell-Autonomous Mechanism in Leaf Epidermal Tissue. Plant and Cell Physiology, 2020, 61, 1181-1190.	3.1	7
25	Phylogenetics of the mycoheterotrophic genusThismia(Thismiaceae: Dioscoreales) with a focus on the Old World taxa: delineation of novel natural groups and insights into the evolution of morphological traits. Botanical Journal of the Linnean Society, 2020, 193, 287-315.	1.6	24
26	Cell size regulation in the meristem. Plant Morphology, 2020, 32, 45-51.	0.1	0
27	Molecular phylogenetic study of the tribe Tropidieae (Orchidaceae, Epidendroideae) with taxonomic and evolutionary implications. PhytoKeys, 2020, 140, 11-22.	1.0	2
28	Marchantia polymorpha, a New Model Plant for Autophagy Studies. Frontiers in Plant Science, 2019, 10, 935.	3.6	19
29	Re-examination of the role of endoreduplication on cell-size control in leaves. Journal of Plant Research, 2019, 132, 571-580.	2.4	16
30	Multiple steps of leaf thickening during sunâ€leaf formation in Arabidopsis. Plant Journal, 2019, 100, 738-753.	5.7	29
31	A Method for Evaluating Three-Dimensional Morphological Features: A Case Study Using Marchantia polymorpha. Frontiers in Plant Science, 2019, 10, 1214.	3.6	10
32	Has the impact of endoreduplication on cell size been overestimated?. New Phytologist, 2019, 223, 11-15.	7.3	17
33	Emended description and new localities of Oxygyne shinzatoi (Burmanniaceae/Thismiaceae), with discussion of phylogenetic relationships of Oxygyne from Japan and Africa . Phytotaxa, 2019, 423, 238-246.	0.3	2
34	Oneâ€leaf plants in the Gesneriaceae: Natural mutants of the typical shoot system. Development Growth and Differentiation, 2019, 61, 25-33.	1.5	6
35	Morphogenesis of flattened unifacial leaves in Juncus prismatocarpus (Juncaceae). New Phytologist, 2019, 222, 1101-1111.	7.3	5
36	Excess Pyrophosphate within Guard Cells Delays Stomatal Closure. Plant and Cell Physiology, 2019, 60, 875-887.	3.1	14

#	Article	IF	Citations
37	ANGUSTIFOLIA Regulates Actin Filament Alignment for Nuclear Positioning in Leaves. Plant Physiology, 2019, 179, 233-247.	4.8	18
38	Sweat Feeding Behavior by the Moth Arthroschista hilaralis (Crambidae) in the Maliau Basin Conservation Area (Sabah, Borneo). Entomological News, 2018, 127, 386-389.	0.2	0
39	Palisade cell shape affects the light-induced chloroplast movements and leaf photosynthesis. Scientific Reports, 2018, 8, 1472.	3.3	46
40	Plastid translation is essential for lateral root stem-cell patterning in Arabidopsis thaliana. Biology Open, 2018, 7, .	1.2	22
41	How leaves of mycoheterotrophic plants evolved â€“ from the view point of a developmental biologist. New Phytologist, 2018, 217, 1401-1406.	7.3	7
42	Flora of Bokor National Park VII: Thismia bokorensis (Burmanniaceae), a new species representing a new generic record. Phytotaxa, 2018, 334, 65.	0.3	9
43	Conserved functional control, but distinct regulation of cell proliferation in rice and Arabidopsis leaves revealed by comparative analysis of GRF-INTERACTING FACTOR 1 orthologs. Development (Cambridge), 2018, 145, .	2.5	30
44	Leaf shape diversity with an emphasis on leaf contour variation, developmental background, and adaptation. Seminars in Cell and Developmental Biology, 2018, 79, 48-57.	5.0	50
45	Pyrophosphate inhibits gluconeogenesis by restricting UDP-glucose formation in vivo. Scientific Reports, 2018, 8, 14696.	3.3	46
46	A Consideration of Leaf Shape Evolution in the Context of the Primary Function of the Leaf as a Photosynthetic Organ. Advances in Photosynthesis and Respiration, 2018, , 1-26.	1.0	15
47	A new species of Gastrodia (Gastrodieae, Epidendroideae, Orchidaceae) from the Maliau Basin Conservation Area, Sabah, Borneo. Phytotaxa, 2018, 367, 78.	0.3	6
48	The cytochrome P450 CYP77A4 is involved in auxin-mediated patterning of theArabidopsis thalianaembryo. Development (Cambridge), 2018, 145, .	2.5	8
49	The Arabidopsis phyB-9 Mutant Has a Second-Site Mutation in the VENOSA4 Gene That Alters Chloroplast Size, Photosynthetic Traits, and Leaf Growth. Plant Physiology, 2018, 178, 3-6.	4.8	32
50	Aphyllorchis maliauensis (Orchidaceae), a new species from the Maliau Basin, Sabah, Borneo. Phytotaxa, 2018, 367, 85.	0.3	2
51	OLIGOCELLULA1/HIGH EXPRESSION OF OSMOTICALLY RESPONSIVE GENES15 Promotes Cell Proliferation With HISTONE DEACETYLASE9 and POWERDRESS During Leaf Development in Arabidopsis thaliana. Frontiers in Plant Science, 2018, 9, 580.	3.6	30
52	ANGUSTIFOLIA contributes to the regulation of three-dimensional morphogenesis in the liverwort Marchantia polymorpha. Development (Cambridge), 2018, 145, .	2.5	23
53	Nephelaphyllum maliauensis (Orchidaceae; Collabiinae), a new species from the Maliau Basin, Sabah, Borneo, with a discussion of the taxonomic identities of N. pulchrum, N. latilabre and N. flabellatum. Phytotaxa, 2018, 336, 89.	0.3	0
54	A new variety of fern from Borneo, Sphaerostephanos unitus var. dimorphophylla (Thelypteridaceae). Phytotaxa, 2018, 346, 287.	0.3	0

#	Article	IF	Citations
55	Thismia sumatrana (Thismiaceae), a new species from West Sumatra, Indonesia, with discussions on the taxonomic identity of Thismia clavigera. PhytoKeys, 2018, 113, 59-67.	1.0	6
56	Taxonomic monograph of Oxygyne (Thismiaceae), rare achlorophyllous mycoheterotrophs with strongly disjunct distribution. PeerJ, 2018, 6, e4828.	2.0	56
57	Molecular bases for phyllomorph development in a one-leaf plant, Monophyllaea glabra. American Journal of Botany, 2017, 104, 233-240.	1.7	5
58	A novel method for single-grain-based metabolic profiling of Arabidopsis seed. Metabolomics, 2017, 13, 1.	3.0	14
59	Evidence for a Role of ANAC082 as a Ribosomal Stress Response Mediator Leading to Growth Defects and Developmental Alterations in Arabidopsis. Plant Cell, 2017, 29, 2644-2660.	6.6	49
60	Spatially Different Tissue-Scale Diffusivity Shapes ANGUSTIFOLIA3 Gradient in Growing Leaves. Biophysical Journal, 2017, 113, 1109-1120.	0.5	29
61	Thismia bryndonii (Thismiaceae), a new species from Maliau Basin, Sabah, Borneo. Phytotaxa, 2017, 312, 135.	0.3	5
62	Thismia brunneomitroides (Thismiaceae), a new mycoheterotrophic species from southern Thailand. Phytotaxa, 2017, 314, 103.	0.3	11
63	Tissue-dependency of the impact of endoreduplication on cell size. Plant Morphology, 2017, 29, 87-90.	0.1	1
64	Compensated Cell Enlargement in fugu5 is Specifically Triggered by Lowered Sucrose Production from Seed Storage Lipids. Plant and Cell Physiology, 2017, 58, 668-678.	3.1	39
65	Two Nucleolar Proteins, GDP1 and OLI2, Function As Ribosome Biogenesis Factors and Are Preferentially Involved in Promotion of Leaf Cell Proliferation without Strongly Affecting Leaf Adaxialâ€“Abaxial Patterning in Arabidopsis thaliana. Frontiers in Plant Science, 2017, 8, 2240.	3.6	35
66	Probing the stochastic property of endoreduplication in cell size determination of Arabidopsis thaliana leaf epidermal tissue. PLoS ONE, 2017, 12, e0185050.	2.5	22
67	Epitypification with an emended description of Tropidia connata (Orchidaceae, Epidendroideae,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.0	2
68	A loss-of-function mutation in the <i>DWARF4</i>/<i>PETANKO5</i> gene enhances the late-flowering and semi-dwarf phenotypes of the <i>Arabidopsis</i> clock mutant <i>lhy-12;cca1-101</i> under continuous light without affecting <i>FLC</i> expression. Plant Biotechnology, 2016, 33, 315-321.	1.0	3
69	Suppressor Screen and Phenotype Analyses Revealed an Emerging Role of the Monofunctional Peroxisomal Enoyl-CoA Hydratase 2 in Compensated Cell Enlargement. Frontiers in Plant Science, 2016, 7, 132.	3.6	41
70	A new species of Gastrodia (Orchidaceae: Gastrodieae, Epidendroideae) from Java. Phytotaxa, 2016, 273, 77.	0.3	11
71	Morphological and phylogenetic investigations for several cryptic ant-plants found in Callicarpa (Lamiaceae) from Borneo. Journal of Plant Research, 2016, 129, 591-601.	2.4	3
72	Yield increase: GRFs provide the key. Nature Plants, 2016, 2, 15210.	9.3	10

#	Article	IF	Citations
73	A pulseâ€chase strategy for EdU labelling assay is able to rapidly quantify cell division orientation. New Phytologist, 2016, 211, 1462-1469.	7.3	16
74	A new species of Epirixanthes (Polygalaceaea) from Imbak Canyon, Sabah, Borneo. Phytotaxa, 2016, 266, 146.	0.3	8
75	The coordination of ploidy and cell size differs between cell layers in leaves. Development (Cambridge), 2016, 143, 1120-5.	2.5	65
76	The Naming of Names: Guidelines for Gene Nomenclature inMarchantia. Plant and Cell Physiology, 2016, 57, 257-261.	3.1	60
77	Behavior of Leaf Meristems and Their Modification. Frontiers in Plant Science, 2015, 6, 1060.	3.6	65
78	Intraspecific comparative analyses of metabolites between diploid and tetraploid Arabidopsis thaliana and Pyrus communis. New Negatives in Plant Science, 2015, 1-2, 53-61.	0.9	9
79	Compensation: a key to clarifying the organ-level regulation of lateral organ size in plants. Journal of Experimental Botany, 2015, 66, 1055-1063.	4.8	94
80	Arundina graminifolia var. revoluta (Arethuseae, Orchidaceae) has fern-type rheophyte characteristics in the leaves. Journal of Plant Research, 2015, 128, 239-247.	2.4	3
81	Comparative analysis of the RTFL peptide family on the control of plant organogenesis. Journal of Plant Research, 2015, 128, 497-510.	2.4	17
82	Oriented cell division shapes carnivorous pitcher leaves of Sarracenia purpurea. Nature Communications, 2015, 6, 6450.	12.8	50
83	Regulation of plant growth and development by the GROWTH-REGULATING FACTOR and GRF-INTERACTING FACTOR duo. Journal of Experimental Botany, 2015, 66, 6093-6107.	4.8	166
84	Balanced cell proliferation and expansion is essential for flowering stem growth control. Plant Signaling and Behavior, 2015, 10, e992755.	2.4	4
85	Detection of the Cell Proliferation Zone in Leaves by Using EdU. Bio-protocol, 2015, 5, .	0.4	13
86	Nitrogen dioxide regulates organ growth by controlling cell proliferation and enlargement in <scp>A</scp>rabidopsis. New Phytologist, 2014, 201, 1304-1315.	7.3	44
87	Acropetal leaflet initiation of Eschscholzia californica is achieved by constant spacing of leaflets and differential growth of leaf. Planta, 2014, 240, 125-135.	3.2	7
88	Comparative leaf development in angiosperms. Current Opinion in Plant Biology, 2014, 17, 103-109.	7.1	83
89	The Conflict Between Cell Proliferation and Expansion Primarily Affects Stem Organogenesis in Arabidopsis. Plant and Cell Physiology, 2014, 55, 1994-2007.	3.1	31
90	Lineage diversification and hybridization in the Cayratia japonicaâ€“Cayratia tenuifolia species complex. Molecular Phylogenetics and Evolution, 2014, 75, 227-238.	2.7	4

#	Article	IF	Citations
91	Two New Species of Sciaphila (Triuridaceae) from Sarawak (Borneo, Malaysia). Phytotaxa, 2014, 170, 283.	0.3	6
92	Roles of the vacuolar H⁺-PPase in seed storage oil mobilization and plant development. Plant Morphology, 2014, 26, 45-51.	0.1	6
93	ANGUSTIFOLIA3 Signaling Coordinates Proliferation between Clonally Distinct Cells in Leaves. Current Biology, 2013, 23, 788-792.	3.9	93
94	Design for controllability. EMBO Reports, 2013, 14, 3-3.	4.5	5
95	Enhanced Cell Expansion in a KRP2 Overexpressor is Mediated by Increased V-ATPase Activity. Plant and Cell Physiology, 2013, 54, 1989-1998.	3.1	30
96	Two New Species of <I>Sciaphila</I> Blume (Triuridaceae) from Kalimantan, Borneo, with a New Record of <I>S. thaidanica</I> from Borneo. Systematic Botany, 2013, 38, 600-605.	0.5	9
97	Promotion of chloroplast proliferation upon enhanced post-mitotic cell expansion in leaves. BMC Plant Biology, 2013, 13, 143.	3.6	27
98	On the Journal of Plant Research in the Year 2012. Journal of Plant Research, 2013, 126, 1-2.	2.4	1
99	How do â€˜housekeepingâ€™ genes control organogenesis?â€”unexpected new findings on the role of housekeeping genes in cell and organ differentiation. Journal of Plant Research, 2013, 126, 3-15.	2.4	31
100	The unique function of theArabidopsiscircadian clock genePRR5in the regulation of shade avoidance response. Plant Signaling and Behavior, 2013, 8, e23534.	2.4	18
101	Leaf Development. The Arabidopsis Book, 2013, 11, e0163.	0.5	118
102	Modification and co-option of leaf developmental programs for the acquisition of flat structures in monocots: unifacial leaves in Juncus and cladodes in Asparagus. Frontiers in Plant Science, 2013, 4, 248.	3.6	7
103	Precocious progression of tissue maturation instructs basipetal initiation of leaflets in Chelidonium majus subsp. asiaticum (Papaveraceae). American Journal of Botany, 2013, 100, 1116-1126.	1.7	11
104	Class III compensation, represented byKRP2overexpression, depends on V-ATPase activity in proliferative cells. Plant Signaling and Behavior, 2013, 8, e27204.	2.4	14
105	The ATM-Dependent DNA Damage Response Acts as an Upstream Trigger for Compensation in thefas1Mutation during Arabidopsis Leaf Development Â. Plant Physiology, 2013, 162, 831-841.	4.8	38
106	A New Species of <I>Lecanorchis</I> Blume (Orchidaceae, Vanilloideae) from Kalimantan, Borneo. Systematic Botany, 2013, 38, 69-74.	0.5	13
107	ROTUNDIFOLIA4. , 2013, , 53-57.		4
108	Does Ploidy Level Directly Control Cell Size? Counterevidence from Arabidopsis Genetics. PLoS ONE, 2013, 8, e83729.	2.5	84

#	Article	IF	Citations
109	Acquisition and morphological diversification of leaf-like organ in the genus Asparagus. Plant Morphology, 2013, 25, 89-94.	0.1	0
110	A New Species of <I>Thismia</I> (Thismiaceae) from West Kalimantan, Borneo. Systematic Botany, 2012, 37, 53-57.	0.5	21
111	Cladodes, leaf-like organs in Asparagus, show the significance of co-option of pre-existing genetic regulatory circuit for morphological diversity of plants. Plant Signaling and Behavior, 2012, 7, 961-964.	2.4	8
112	Regulation of pyrophosphate levels by H⁺-PPase is central for proper resumption of early plant development. Plant Signaling and Behavior, 2012, 7, 38-42.	2.4	26
113	Acquisition and Diversification of Cladodes: Leaf-Like Organs in the Genus Asparagus. Plant Cell, 2012, 24, 929-940.	6.6	38
114	Berberine enhances defects in the establishment of leaf polarity in asymmetric leaves1 and asymmetric leaves2 of Arabidopsis thaliana. Plant Molecular Biology, 2012, 79, 569-581.	3.9	16
115	Ribosomes and translation in plant developmental control. Plant Science, 2012, 191-192, 24-34.	3.6	118
116	Leaf adaxial-abaxial polarity specification and lamina outgrowth: evolution and development. Plant and Cell Physiology, 2012, 53, 1180-1194.	3.1	106
117	Stable establishment of cotyledon identity during embryogenesis in Arabidopsis by ANGUSTIFOLIA3 and HANABA TARANU. Development (Cambridge), 2012, 139, 2436-2446.	2.5	52
118	A hypothesis on the origin of genetic heterozygosity in diploids and triploids in Japanese Cayratia japonica species complex (Vitaceae). Journal of Plant Research, 2012, 125, 475-481.	2.4	2
119	Burmannia bengkuluensis sp. nov. (Burmanniaceae) from Sumatra. Nordic Journal of Botany, 2012, 30, 159-162.	0.5	1
120	Kalimantanorchis: a New Genus of Mycotrophic Orchid from West Kalimantan, Borneo. Systematic Botany, 2011, 36, 49-52.	0.5	13
121	The evolution and functional significance of leaf shape in the angiosperms. Functional Plant Biology, 2011, 38, 535.	2.1	421
122	Flowering phenology of the nine-year plant, Strobilanthes cernua (Acanthaceae). Tropics, 2011, 20, 79-85.	0.8	3
123	Organ Size Regulation in Plants: Insights from Compensation. Frontiers in Plant Science, 2011, 2, 24.	3.6	124
124	Infrared thermography and odour composition of the Amorphophallus gigas (Araceae) inflorescence: the cooling effect of the odorous liquid. Plant Biology, 2011, 13, 502-507.	3.8	10
125	Differential contributions of ribosomal protein genes to Arabidopsis thaliana leaf development. Plant Journal, 2011, 65, 724-736.	5.7	147
126	ANGUSTIFOLIA, a plant homolog of CtBP/BARS, functions outside the nucleus. Plant Journal, 2011, 68, 788-799.	5.7	34

#	Article	IF	Citations
127	An assumed rheophytic orchid: Bulbophyllum rheophyton n.sp., from Borneo. Plant Systematics and Evolution, 2011, 293, 71-73.	0.9	7
128	Announcement of awards by the Journal of Plant Research. Journal of Plant Research, 2011, 124, 559-560.	2.4	1
129	ROTUNDIFOLIA4 Regulates Cell Proliferation Along the Body Axis in Arabidopsis Shoot. Plant and Cell Physiology, 2011, 52, 59-69.	3.1	51
130	ANGUSTIFOLIA3 Plays Roles in Adaxial/Abaxial Patterning and Growth in Leaf Morphogenesis. Plant and Cell Physiology, 2011, 52, 112-124.	3.1	79
131	Keep an Eye on PPi: The Vacuolar-Type H+-Pyrophosphatase Regulates Postgerminative Development inArabidopsisÂ Â Â. Plant Cell, 2011, 23, 2895-2908.	6.6	178
132	Key Proliferative Activity in the Junction between the Leaf Blade and Leaf Petiole of Arabidopsis Â Â. Plant Physiology, 2011, 157, 1151-1162.	4.8	108
133	Title is missing!. Kagaku To Seibutsu, 2010, 48, 591-593.	0.0	0
134	Evolutionary and developmental studies of unifacial leaves in monocots: Juncus as a model system. Journal of Plant Research, 2010, 123, 35-41.	2.4	28
135	A series of JPR Symposia in Volume 123. Journal of Plant Research, 2010, 123, 1-2.	2.4	1
136	Leaf development and evolution. Journal of Plant Research, 2010, 123, 3-6.	2.4	14
137	Mechanisms of leaf tooth formation in Arabidopsis. Plant Journal, 2010, 62, 429-441.	5.7	130
138	692. PHAIUS HEKOUENSIS. Curtis's Botanical Magazine, 2010, 27, 339-347.	0.3	0
139	Non-cell-autonomously coordinated organ size regulation in leaf development. Development (Cambridge), 2010, 137, 4221-4227.	2.5	89
140	The bHLH Transcription Factor SPATULA Controls Final Leaf Size in Arabidopsis thaliana. Plant and Cell Physiology, 2010, 51, 252-261.	3.1	111
141	Characterization of EMU, the Arabidopsis homolog of the yeast THO complex member HPR1. Rna, 2010, 16, 1809-1817.	3.5	46
142	Distinct Regulation of Adaxial-Abaxial Polarity in Anther Patterning in Rice Â Â. Plant Cell, 2010, 22, 1452-1462.	6.6	96
143	Genetic Framework for Flattened Leaf Blade Formation in Unifacial Leaves ofJuncus prismatocarpusÂ Â Â. Plant Cell, 2010, 22, 2141-2155.	6.6	60
144	Chemical Identity of a Rotting Animal-Like Odor Emitted from the Inflorescence of the Titan Arum (Amorphophallus titanum). Bioscience, Biotechnology and Biochemistry, 2010, 74, 2550-2554.	1.3	38

#	Article	IF	Citations
145	Involvement of Auxin and Brassinosteroid in the Regulation of Petiole Elongation under the Shade Â. Plant Physiology, 2010, 153, 1608-1618.	4.8	172
146	Expression patterns of AaDL, a CRABS CLAW ortholog in Asparagus asparagoides (Asparagaceae), demonstrate a stepwise evolution of CRC/DL subfamily of YABBY genes. American Journal of Botany, 2010, 97, 591-600.	1.7	36
147	Plant Elongator regulates auxin-related genes during RNA polymerase II transcription elongation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1678-1683.	7.1	112
148	The Mechanism of Cell Cycle Arrest Front Progression Explained by a KLUH/CYP78A5-dependent Mobile Growth Factor in Developing Leaves of Arabidopsis thaliana. Plant and Cell Physiology, 2010, 51, 1046-1054.	3.1	148
149	Organ size control in Arabidopsis: Insights from compensation studies. Plant Morphology, 2010, 22, 65-71.	0.1	14
150	Molecular evidence of reticulate evolution in the subgenus Plantago (Plantaginaceae). American Journal of Botany, 2009, 96, 1627-1635.	1.7	37
151	Greetings from the new editor-in-chief. Journal of Plant Research, 2009, 122, 1-2.	2.4	1
152	Journal of Plant Research chosen as one of the top 100 journals in biology and medicine over the last 100Âyears. Journal of Plant Research, 2009, 122, 353-354.	2.4	3
153	Impact of segmental chromosomal duplications on leaf size in the grandifoliaâ€Ð mutants of Arabidopsis thaliana. Plant Journal, 2009, 60, 122-133.	5.7	46
154	Coordination of cell proliferation and cell expansion mediated by ribosomeâ€related processes in the leaves of Arabidopsis thaliana. Plant Journal, 2009, 59, 499-508.	5.7	162
155	Themore and smaller cellsmutants ofArabidopsis thalianaidentify novel roles forSQUAMOSA PROMOTER BINDING PROTEIN-LIKEgenes in the control of heteroblasty. Development (Cambridge), 2009, 136, 955-964.	2.5	216
156	Phylogenetic position of Oxygyne shinzatoi (Burmanniaceae) inferred from 18S rDNA sequences. Journal of Plant Research, 2008, 121, 27-32.	2.4	18
157	Taxonomic status of MonotropastrumÂhumile, with special reference to M.Âhumile var. glaberrimum (Ericaceae, Monotropoideae). Journal of Plant Research, 2008, 121, 271-278.	2.4	13
158	Isolation and characterization of the Larix gmelinii ANGUSTIFOLIA (LgAN) gene. Planta, 2008, 228, 601-608.	3.2	14
159	AtMap1: a DNA microarray for genomic deletion mapping in Arabidopsis thaliana. Plant Journal, 2008, 56, 1058-1065.	5.7	10
160	Control of Leaf Morphogenesis by Long- and Short-Distance Signaling: Differentiation of Leaves Into Sun or Shade Types and Compensated Cell Enlargement. , 2008, , 47-62.		22
161	Controlling Size in Multicellular Organs: Focus on the Leaf. PLoS Biology, 2008, 6, e174.	5.6	178
162	Characterization of a dehydrogenase motif and an uORF in Arabidopsis ANGUSTIFOLIA gene. Plant Biotechnology, 2008, 25, 365-368.	1.0	3

#	Article	IF	Citations
163	Genetic Relationship BetweenAngustifolia3andExtra-Small SistersHighlights Novel Mechanisms Controlling Leaf Size. Plant Signaling and Behavior, 2007, 2, 378-380.	2.4	8
164	BIN4, a Novel Component of the Plant DNA Topoisomerase VI Complex, Is Required for Endoreduplication in Arabidopsis. Plant Cell, 2007, 19, 3655-3668.	6.6	103
165	Novel receptor-like kinase ALE2 controls shoot development by specifying epidermis in Arabidopsis. Development (Cambridge), 2007, 134, 1643-1652.	2.5	92
166	Analysis of Leaf Development in fugu Mutants of Arabidopsis Reveals Three Compensation Modes That Modulate Cell Expansion in Determinate Organs. Plant Physiology, 2007, 144, 988-999.	4.8	204
167	DRL1 regulates adaxial leaf patterning and shoot apical meristem activity inArabidopsis. Journal of Plant Biology, 2007, 50, 467-474.	2.1	3
168	Morphological variation in leaf shape in Ainsliaea apiculata with special reference to the endemic characters of populations on Yakushima Island, Japan. Journal of Plant Research, 2007, 120, 351-358.	2.4	6
169	Structurally related Arabidopsis ANGUSTIFOLIA is functionally distinct from the transcriptional corepressor CtBP. Development Genes and Evolution, 2007, 217, 759-769.	0.9	23
170	A New Member of the CtBP/BARS. , 2007, , 112-118.		1
171	Gravitropism in Leaves of Arabidopsis thaliana (L.) Heynh.. Plant and Cell Physiology, 2006, 47, 217-223.	3.1	31
172	MECHANISM OF LEAF-SHAPE DETERMINATION. Annual Review of Plant Biology, 2006, 57, 477-496.	18.7	329
173	Large-scale histological analysis of leaf mutants using two simple leaf observation methods: identification of novel genetic pathways governing the size and shape of leaves. Plant Journal, 2006, 48, 638-644.	5.7	128
174	Coordination of cell proliferation and cell expansion in the control of leaf size in Arabidopsis thaliana. Journal of Plant Research, 2006, 119, 37-42.	2.4	229
175	Leaf-shape variation of Paederia foetida in Japan: reexamination of the small, narrow leaf form from Miyajima Island. Journal of Plant Research, 2006, 119, 303-308.	2.4	6
176	Evaluation of morphological and molecular variation in Plantago asiatica var. densiuscula, with special reference to the systematic treatment of Plantago asiatica var. yakusimensis. Journal of Plant Research, 2006, 119, 385-395.	2.4	19
177	Arabidopsis Mutants by Activation Tagging in which Photosynthesis Genes are Expressed in Dedifferentiated Calli. Plant and Cell Physiology, 2006, 47, 319-331.	3.1	15
178	A Comparative Study on the Anatomy and Development of Different Shapes of Domatia in Cinnamomum camphora (Lauraceae). Annals of Botany, 2006, 97, 601-610.	2.9	13
179	Dissection of Enhanced Cell Expansion Processes in Leaves Triggered by a Defect in Cell Proliferation, with Reference to Roles of Endoreduplication. Plant and Cell Physiology, 2006, 48, 278-286.	3.1	48
180	ROTUNDIFOLIA4: A Plant-Specific Small Peptide. , 2006, , 37-40.		2

#	Article	IF	Citations
181	CYP90C1 and CYP90D1 are involved in different steps in the brassinosteroid biosynthesis pathway in Arabidopsis thaliana. Plant Journal, 2005, 41, 710-721.	5.7	158
182	The transcription factor AtGRF5 and the transcription coactivator AN3 regulate cell proliferation in leaf primordia of Arabidopsis thaliana. Plant Journal, 2005, 43, 68-78.	5.7	535
183	Molecular variation of Spiranthes sinensis (Orchidaceae) in Japan, with special reference to systematic treatment of seasonally differentiated groups and a dwarf form, f. gracilis, from Yakushima Island. Journal of Plant Research, 2005, 118, 13-18.	2.4	16
184	Molecular identification of the mycorrhizal fungi of the epiparasitic plant Monotropastrum humile var. glaberrimum (Ericaceae). Journal of Plant Research, 2005, 118, 53-56.	2.4	13
185	Large-scale general collection of wild-plant DNA in Mustang, Nepal. Journal of Plant Research, 2005, 118, 57-60.	2.4	15
186	Leaf shape: genetic controls and environmental factors. International Journal of Developmental Biology, 2005, 49, 547-555.	0.6	235
187	Characterization of a member of the AN subfamily, IAN, from Ipomoea nil. Plant and Cell Physiology, 2005, 46, 250-255.	3.1	19
188	The Different Growth Responses of the Arabidopsis thaliana Leaf Blade and the Petiole during Shade Avoidance are Regulated by Photoreceptors and Sugar. Plant and Cell Physiology, 2005, 46, 213-223.	3.1	147
189	Photomorphogenesis of leaves: shade-avoidance and differentiation of sun and shade leaves. Photochemical and Photobiological Sciences, 2005, 4, 770.	2.9	81
190	Intraspecific variation and molecular polymorphisms in Japanese Spiranthes sinensis var. australis.. Plant Morphology, 2005, 17, 31-34.	0.1	0
191	Overexpression of a novel small peptide ROTUNDIFOLIA4 decreases cell proliferation and alters leaf shape inArabidopsis thaliana. Plant Journal, 2004, 38, 699-713.	5.7	159
192	A novel feature of structural variegation in leaves of the tropical plant Schismatoglottis calyptrata. Journal of Plant Research, 2004, 117, 477-480.	2.4	58
193	Gene flow between Impatiens radicans and I. javensis (Balsaminaceae) in Gunung Pangrango, central Java, Indonesia. American Journal of Botany, 2004, 91, 2119-2123.	1.7	19
194	Morphological and molecular variation in Mitchella undulata , with special reference to the systematic treatment of the dwarf form from Yakushima. Journal of Plant Research, 2003, 116, 309-315.	2.4	12
195	Organ shape and size: a lesson from studies of leaf morphogenesis. Current Opinion in Plant Biology, 2003, 6, 57-62.	7.1	197
196	Enhanced formation of flowers in salt-stressedArabidopsisafter genetic engineering of the synthesis of glycine betaine. Plant Journal, 2003, 36, 165-176.	5.7	116
197	Hybridization and introgression between Callicarpa japonica and C. mollis (Verbenaceae) in central Japan, as inferred from nuclear and chloroplast DNA sequences. Molecular Ecology, 2003, 12, 3003-3011.	3.9	27
198	Phylogenetic Relationships among Species in the GeneraChisochetonandGuareaThat Have Unique Indeterminate Leaves as Inferred from Sequences of Chloroplast DNA. International Journal of Plant Sciences, 2003, 164, 13-24.	1.3	18

#	Article	IF	Citations
199	The BLADE-ON-PETIOLE 1 gene controls leaf pattern formation through the modulation of meristematic activity in Arabidopsis. Development (Cambridge), 2003, 130, 161-172.	2.5	191
200	Formation of a Symmetric Flat Leaf Lamina in Arabidopsis. , 2003, , 177-187.		0
201	Brassinosteroids Control the Proliferation of Leaf Cells of Arabidopsis thaliana. Plant and Cell Physiology, 2002, 43, 239-244.	3.1	144
202	Genetic Control of Petiole Length in Arabidopsis thaliana. Plant and Cell Physiology, 2002, 43, 1221-1228.	3.1	74
203	The ASYMMETRIC LEAVES2 Gene of Arabidopsis thaliana, Required for Formation of a Symmetric Flat Leaf Lamina, Encodes a Member of a Novel Family of Proteins Characterized by Cysteine Repeats and a Leucine Zipper. Plant and Cell Physiology, 2002, 43, 467-478.	3.1	356
204	Leaf Development. The Arabidopsis Book, 2002, 1, e0072.	0.5	46
205	Interpretation of mutants in leaf morphology: Genetic evidence for a compensatory system in leaf morphogenesis that provides a new link between cell and organismal theories. International Review of Cytology, 2002, 217, 1-39.	6.2	153
206	The Leaf Index: Heteroblasty, Natural Variation, and the Genetic Control of Polar Processes of Leaf Expansion. Plant and Cell Physiology, 2002, 43, 372-378.	3.1	68
207	Thermal insulation and accumulation of heat in the downy inflorescences of Saussurea medusa (Asteraceae) at high elevation in Yunnan, China. Journal of Plant Research, 2002, 115, 263-268.	2.4	33
208	Leaf anatomy of a rheophyte, Dendranthema yoshinaganthum (Asteraceae), and of hybrids between D. yoshinaganthum and a closely related non-rheophyte, D. indicum. Journal of Plant Research, 2002, 115, 329-333.	2.4	28
209	Cell division and cell enlargement in isolated Cucurbita cotyledons grown in darkness and in light. Journal of Plant Research, 2002, 115, 375-380.	2.4	9
210	Optical and anatomical characteristics of bracts from the Chinese "glasshouse" plant, Rheum alexandrae Batalin (Polygonaceae), in Yunnan, China. Journal of Plant Research, 2002, 115, 59-63.	2.4	21
211	Regulation of the biosynthesis of plant hormones by cytochrome P450s. Journal of Plant Research, 2002, 115, 169-177.	2.4	24
212	TheANGUSTIFOLIAgene ofArabidopsis, a plantCtBPgene, regulates leaf-cell expansion, the arrangement of cortical microtubules in leaf cells and expression of a gene involved in cell-wall formation. EMBO Journal, 2002, 21, 1267-1279.	7.8	215
213	Leaf Morphogenesis in Dicotyledons: Current Issues. International Journal of Plant Sciences, 2001, 162, 459-464.	1.3	84
214	The Asymmetric Leaves2 (AS2) Gene of Arabidopsis Thaliana Regulates Lamina Formation and is Required for Patterning of Leaf Venation. Progress in Biotechnology, 2001, 18, 63-68.	0.2	6
215	Identification of Factors that Cause Heterophylly in Ludwigia arcuata Walt. (Onagraceae). Plant Biology, 2001, 3, 98-105.	3.8	33
216	Morphological Adaptation of Inflorescences in Plants that Develop at Low Temperatures in Early Spring: The Convergent Evolution of "Downy Plants". Plant Biology, 2001, 3, 536-543.	3.8	36

#	Article	IF	Citations
217	The Role of Meristematic Activities in the Formation of Leaf Blades. Journal of Plant Research, 2000, 113, 119-126.	2.4	15
218	Heteroblasty in Arabidopsis thaliana (L.) Heynh. Planta, 2000, 210, 536-542.	3.2	88
219	Changes in the shapes of leaves and flowers upon overexpression of cytochrome P450 in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 9433-9437.	7.1	132
220	Biological functions of proline in morphogenesis and osmotolerance revealed in antisense transgenic Arabidopsis thaliana. Plant Journal, 1999, 18, 185-193.	5.7	323
221	Cell Cycling and Cell Enlargement in Developing Leaves of Arabidopsis. Developmental Biology, 1999, 215, 407-419.	2.0	699
222	A New Species of Schismatoglottis (Schismatoglottidinae, Araceae) from West Kalimantan and Observations of Its Peculiar Bulbil Development. Systematic Botany, 1999, 24, 62.	0.5	3
223	The CURLY LEAF gene controls both division and elongation of cells during the expansion of the leaf blade in Arabidopsis thaliana. Planta, 1998, 206, 175-183.	3.2	90
224	Genetic evidence for polarities that regulate leaf morphogenesis. Journal of Plant Research, 1998, 111, 113-119.	2.4	25
225	Flowering time of two saprophytic plants,Monotropa uniflora L. andMonotropastrum humile (D.) Tj ETQq1 1 0.784314 rgBT /Overlock	2.4	5
226	The ROTUNDIFOLIA3 gene of Arabidopsis thalianaencodes a new member of the cytochrome P-450 family that is required for the regulated polar elongation of leafâ€‰cells. Genes and Development, 1998, 12, 2381-2391.	5.9	229
227	Morphological, physiological and molecular genetic characterization ofArabidopsis himalaica, with reference toA. thaliana. Journal of Plant Research, 1997, 110, 15-23.	2.4	11
228	Brefeldin A induces the accumulation of unusual membrane structures in elongating pollen tubes of Nicotiana tabacum L.. Journal of Plant Physiology, 1996, 149, 683-689.	3.5	12
229	Characterization and subcellular localization of a small GTP-binding protein (Ara-4) fromArabidopsis: conditional expression under control of the promoter of the gene for heat-shock protein HSP81-1. Molecular Genetics and Genomics, 1996, 250, 533-539.	2.4	47
230	An Arabidopsis Gene Isolated by a Novel Method for Detecting Genetic Interaction in Yeast Encodes the GDP Dissociation Inhibitor of Ara4 GTPase. Plant Cell, 1996, 8, 2079.	6.6	7
231	Hirokazu TSUKAYA: Progress towards an understanding of the mechanisms of leaf morphogenesis.. Plant Morphology, 1996, 8, 59-66.	0.1	0
232	Phenotypic Characterization and Molecular Mapping of an acaulis2 Mutant of Arabidopsis thaliana with Flower Stalks of Much Reduced Length. Plant and Cell Physiology, 1995, 36, 239-246.	3.1	29
233	Developmental genetics of leaf morphogenesis in dicotyledonous plants. Journal of Plant Research, 1995, 108, 407-416.	2.4	64
234	The cotyledon: A superior system for studies of leaf development. Planta, 1994, 195, 309.	3.2	104

#	Article	IF	Citations
235	Spiranthes sinensis var.amoena in Japan contains two seasonally differentiated groups. Journal of Plant Research, 1994, 107, 187-190.	2.4	7
236	Floral organ-specific and constitutive expression of an Arabidopsis thaliana heat-shock HSP18.2:: GUS fusion gene is retained even after homeotic conversion of flowers by mutation. Molecular Genetics and Genomics, 1993, 237-237, 26-32.	2.4	18
237	Analysis of intergenic spacer regions in the nuclear rDNA of Pharbitis nil. Genome, 1992, 35, 92-97.	2.0	8
238	Sugar-Dependent Expression of the CHS-A Gene for Chalcone Synthase from Petunia in Transgenic Arabidopsis. Plant Physiology, 1991, 97, 1414-1421.	4.8	263
239	Transformation of Protoplasmic Droplets of Chara by Ion Injection. Journal of Plant Physiology, 1991, 138, 317-321.	3.5	1