Mitsuhiro Aida

List of Publications by Year
in descending order

49	7,847	147801	214800
papers	citations	31 h-index	47 g-index

53	53	53	7362
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The PIN auxin efflux facilitator network controls growth and patterning in Arabidopsis roots. Nature, 2005, 433, 39-44.	27.8	1,789
2	Genes involved in organ separation in Arabidopsis: an analysis of the cup-shaped cotyledon mutant.. Plant Cell, 1997, 9, 841-857.	6.6	1,272
3	The PLETHORA Genes Mediate Patterning of the Arabidopsis Root Stem Cell Niche. Cell, 2004, 119, 109-120.	28.9	1,022
4	The Balance between the MIR164A and CUC2 Genes Controls Leaf Margin Serration in Arabidopsis. Plant Cell, 2006, 18, 2929-2945.	6.6	513
5	Arabidopsis CUP-SHAPED COTYLEDON3 Regulates Postembryonic Shoot Meristem and Organ Boundary Formation. Plant Cell, 2006, 18, 2946-2957.	6.6	315
6	PIN-FORMED1 and PINOID regulate boundary formation and cotyledon development in Arabidopsis embryogenesis. Development (Cambridge), 2004, 131, 5021-5030.	2.5	231
7	Roles ofPIN-FORMED1andMONOPTEROSin pattern formation of the apical region of theArabidopsisembryo. Development (Cambridge), 2002, 129, 3965-3974.	2.5	191
8	Arabidopsis AUXIN RESPONSE FACTOR6 and 8 Regulate Jasmonic Acid Biosynthesis and Floral Organ Development via Repression of Class 1 KNOX Genes. Plant and Cell Physiology, 2010, 51, 164-175.	3.1	179
9	A critical role of sterols in embryonic patterning and meristem programming revealed by thefackelmutants ofArabidopsis thaliana. Genes and Development, 2000, 14, 1485-1497.	5.9	178
10	The Auxin-Regulated AP2/EREBP GenePUCHIIs Required for Morphogenesis in the Early Lateral Root Primordium ofArabidopsis. Plant Cell, 2007, 19, 2156-2168.	6.6	168
11	NAC Family Proteins NARS1/NAC2 and NARS2/NAM in the Outer Integument Regulate Embryogenesis inArabidopsis. Plant Cell, 2008, 20, 2631-2642.	6.6	141
12	Mechanical stress contributes to the expression of the STM homeobox gene in Arabidopsis shoot meristems. ELife, 2015, 4, e07811.	6.0	137
13	Involvement of CUP-SHAPED COTYLEDON Genes in Gynoecium and Ovule Development in Arabidopsis thaliana. Plant and Cell Physiology, 2000, 41, 60-67.	3.1	130
14	Genetic control of shoot organ boundaries. Current Opinion in Plant Biology, 2006, 9, 72-77.	7.1	130
15	CUPâ€SHAPED COTYLEDON1 transcription factor activates the expression of LSH4 and LSH3, two members of the ALOG gene family, in shoot organ boundary cells. Plant Journal, 2011, 66, 1066-1077.	5.7	118
16	A role for chromatin remodeling in regulation of CUC gene expression in the Arabidopsis cotyledon boundary. Development (Cambridge), 2006, 133, 3223-3230.	2.5	107
17	An integrative model of the control of ovule primordia formation. Plant Journal, 2013, 76, 446-455.	5.7	105
18	Morphogenesis and Patterning at the Organ Boundaries in the Higher Plant Shoot Apex. Plant Molecular Biology, 2006, 60, 915-928.	3.9	93

#	Article	IF	Citations
19	Heterotrimeric G proteins control stem cell proliferation through <scp>CLAVATA</scp> signaling in Arabidopsis. EMBO Reports, 2014, 15, 1202-1209.	4.5	92
20	Roles of PIN-FORMED1 and MONOPTEROS in pattern formation of the apical region of the Arabidopsis embryo. Development (Cambridge), 2002, 129, 3965-74.	2.5	87
21	Constitutive activation of a CCâ€NBâ€LRR protein alters morphogenesis through the cytokinin pathway in Arabidopsis. Plant Journal, 2008, 55, 14-27.	5.7	82
22	Three-Dimensional Imaging of Plant Organs Using a Simple and Rapid Transparency Technique. Plant and Cell Physiology, 2016, 57, 462-472.	3.1	79
23	The CUC1 and CUC2 genes promote carpel margin meristem formation during Arabidopsis gynoecium development. Frontiers in Plant Science, 2014, 5, 165.	3.6	77
24	A Role forArabidopsis PUCHIin Floral Meristem Identity and Bract Suppression Â Â. Plant Cell, 2009, 21, 1360-1372.	6.6	74
25	A conserved role for <scp>CUP</scp>â€<scp>SHAPED COTYLEDON</scp> genes during ovule development. Plant Journal, 2015, 83, 732-742.	5.7	70
26	The NAC domain mediates functional specificity of CUP-SHAPED COTYLEDON proteins. Plant Journal, 2004, 40, 462-473.	5.7	67
27	A Secreted Peptide and Its Receptors Shape the Auxin Response Pattern and Leaf Margin Morphogenesis. Current Biology, 2016, 26, 2478-2485.	3.9	61
28	Interactions of CUP-SHAPED COTYLEDON and SPATULA Genes Control Carpel Margin Development in Arabidopsis thaliana. Plant and Cell Physiology, 2012, 53, 1134-1143.	3.1	56
29	Primed histone demethylation regulates shoot regenerative competency. Nature Communications, 2019, 10, 1786.	12.8	52
30	Coordination of meristem and boundary functions by transcription factors in the SHOOT MERISTEMLESS regulatory network. Development (Cambridge), 2018, 145, .	2.5	41
31	Identification of novel meristem factors involved in shoot regeneration through the analysis of temperatureâ€sensitive mutants of Arabidopsis. Plant Journal, 2009, 57, 1027-1039.	5.7	34
32	gorgon, a Novel Missense Mutation in the SHOOT MERISTEMLESS Gene, Impairs Shoot Meristem Homeostasis in Arabidopsis. Plant and Cell Physiology, 2010, 51, 621-634.	3.1	21
33	Environmental risk assessment and field performance of rose (RosaÃ—hybrida) genetically modified for delphinidin production. Plant Biotechnology, 2011, 28, 251-261.	1.0	21
34	The CUP-SHAPED COTYLEDON2 and 3 genes have a post-meristematic effect on Arabidopsis thaliana phyllotaxis. Annals of Botany, 2015, 115, 807-820.	2.9	19
35	A ClearSee-Based Clearing Protocol for 3D Visualization of Arabidopsis thaliana Embryos. Plants, 2021, 10, 190.	3.5	17
36	Biosynthesis of volatile terpenes that accumulate in the secretory cavities of young leaves of Japanese pepper (<i>Zanthoxylum piperitum</i>): Isolation and functional characterization of monoterpene and sesquiterpene synthase genes. Plant Biotechnology, 2017, 34, 17-28.	1.0	12

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37	Transgenic Tobacco Over-Expressing a Homeobox Gene Shows a Developmental Interaction between Leaf Morphogenesis and Phyllotaxy. Plant and Cell Physiology, 1999, 40, 657-667.	3.1	11
38	Establishment of the Embryonic Shoot Meristem Involves Activation of Two Classes of Genes with Opposing Functions for Meristem Activities. International Journal of Molecular Sciences, 2020, 21, 5864.	4.1	10
39	Establishment of the embryonic shoot apical meristem in Arabidopsis thaliana. Journal of Plant Research, 2011, 124, 211-219.	2.4	8
40	Interpreting Cytokinin Action as Anterograde Signaling and Beyond. Frontiers in Plant Science, 2021, 12, 641257.	3.6	6
41	The boundary-expressed <i>EPIDERMAL PATTERNING FACTOR-LIKE2</i> gene encoding a signaling peptide promotes cotyledon growth during <i>Arabidopsis thaliana</i> embryogenesis. Plant Biotechnology, 2021, 38, 317-322.	1.0	5
42	PUCHI Regulates Giant Cell Morphology During Root-Knot Nematode Infection in Arabidopsis thaliana. Frontiers in Plant Science, 2021, 12, 755610.	3.6	4
43	Expression of the auxin biosynthetic genes <i>YUCCA1</i> and <i>YUCCA4</i> is dependent on the boundary regulators <i>CUP-SHAPED COTYLEDON</i> genes in the <i>Arabidopsis thaliana</i> embryo. Plant Biotechnology, 2022, 39, 37-42.	1.0	4
44	Postgenital Fusion and Epidermal Cell Fate Control during Gynoecium Development. Cytologia, 2021, 86, 1-2.	0.6	3
45	Post-Embryonic Lateral Organ Development and Adaxialâ€"Abaxial Polarity Are Regulated by the Combined Effect of ENHANCER OF SHOOT REGENERATION 1 and WUSCHEL in Arabidopsis Shoots. International Journal of Molecular Sciences, 2021, 22, 10621.	4.1	3
46	Pattern Formation during Dicotyledonous Plant Embryogenesis. , 2003, , 139-152.		1
47	Genetic interactions between the <i>CUP-SHAPED COTYLEDON</i> and the <i>BELLRINGER</i> genes indicate their overlapping functions in carpel boundary development in <i>Arabidopsis thaliana </i>. Plant Morphology, 2021, 33, 95-100.	0.1	1
48	Visualization and Quantification of Cortical Microtubules in the Apical Region of the <i>Arabidopsis thaliana</i> Embryo. Cytologia, 2021, 86, 181-182.	0.6	0
49	Shoot Apical Meristem Formation during Higher Plant Embryogenesis. Plant Morphology, 1999, 11, 2-13.	0.1	0