

# Mitsuhiro Aida

## List of Publications by Year in descending order

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49  
papers

7,847  
citations

147801

31  
h-index

214800

47  
g-index

53  
all docs

53  
docs citations

53  
times ranked

7362  
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Plant Biotechnology</i> , 2022, 39, 37-42.	1.0	4
2	Interpreting Cytokinin Action as Anterograde Signaling and Beyond. <i>Frontiers in Plant Science</i> , 2021, 12, 641257.	3.6	6
3	Postgenital Fusion and Epidermal Cell Fate Control during Gynoecium Development. <i>Cytologia</i> , 2021, 86, 1-2.	0.6	3
4	Visualization and Quantification of Cortical Microtubules in the Apical Region of the <i>Arabidopsis thaliana</i> Embryo. <i>Cytologia</i> , 2021, 86, 181-182.	0.6	0
5	The boundary-expressed <i>EPIDERMAL PATTERNING FACTOR-LIKE2</i> gene encoding a signaling peptide promotes cotyledon growth during <i>Arabidopsis thaliana</i> embryogenesis. <i>Plant Biotechnology</i> , 2021, 38, 317-322.	1.0	5
6	Post-Embryonic Lateral Organ Development and Adaxial-Abaxial Polarity Are Regulated by the Combined Effect of <i>ENHANCER OF SHOOT REGENERATION 1</i> and <i>WUSCHEL</i> in <i>Arabidopsis</i> Shoots. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10621.	4.1	3
7	A ClearSee-Based Clearing Protocol for 3D Visualization of <i>Arabidopsis thaliana</i> Embryos. <i>Plants</i> , 2021, 10, 190.	3.5	17
8	<i>PUCHI</i> Regulates Giant Cell Morphology During Root-Knot Nematode Infection in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 755610.	3.6	4
9	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> . <i>Plant Morphology</i> , 2021, 33, 95-100.	0.1	1
10	Establishment of the Embryonic Shoot Meristem Involves Activation of Two Classes of Genes with Opposing Functions for Meristem Activities. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5864.	4.1	10
11	Primed histone demethylation regulates shoot regenerative competency. <i>Nature Communications</i> , 2019, 10, 1786.	12.8	52
12	Coordination of meristem and boundary functions by transcription factors in the SHOOT MERISTEMLESS regulatory network. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	41
13	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. <i>Plant Biotechnology</i> , 2017, 34, 17-28.	1.0	12
14	A Secreted Peptide and Its Receptors Shape the Auxin Response Pattern and Leaf Margin Morphogenesis. <i>Current Biology</i> , 2016, 26, 2478-2485.	3.9	61
15	Three-Dimensional Imaging of Plant Organs Using a Simple and Rapid Transparency Technique. <i>Plant and Cell Physiology</i> , 2016, 57, 462-472.	3.1	79
16	A conserved role for <i>CUP-SHAPED COTYLEDON</i> genes during ovule development. <i>Plant Journal</i> , 2015, 83, 732-742.	5.7	70
17	The <i>CUP-SHAPED COTYLEDON2</i> and <i>3</i> genes have a post-meristematic effect on <i>Arabidopsis thaliana</i> phyllotaxis. <i>Annals of Botany</i> , 2015, 115, 807-820.	2.9	19
18	Mechanical stress contributes to the expression of the STM homeobox gene in <i>Arabidopsis</i> shoot meristems. <i>ELife</i> , 2015, 4, e07811.	6.0	137

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19	The CUC1 and CUC2 genes promote carpel margin meristem formation during <i>Arabidopsis</i> gynoecium development. <i>Frontiers in Plant Science</i> , 2014, 5, 165.	3.6	77
20	Heterotrimeric G proteins control stem cell proliferation through <i>CLAVATA</i> signaling in <i>Arabidopsis</i> . <i>EMBO Reports</i> , 2014, 15, 1202-1209.	4.5	92
21	An integrative model of the control of ovule primordia formation. <i>Plant Journal</i> , 2013, 76, 446-455.	5.7	105
22	Interactions of CUP-SHAPED COTYLEDON and SPATULA Genes Control Carpel Margin Development in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2012, 53, 1134-1143.	3.1	56
23	Environmental risk assessment and field performance of rose ( <i>Rosa</i> — <i>hybrida</i> ) genetically modified for delphinidin production. <i>Plant Biotechnology</i> , 2011, 28, 251-261.	1.0	21
24	CUP-SHAPED COTYLEDON1 transcription factor activates the expression of <i>LSH4</i> and <i>LSH3</i> , two members of the ALOG gene family, in shoot organ boundary cells. <i>Plant Journal</i> , 2011, 66, 1066-1077.	5.7	118
25	Establishment of the embryonic shoot apical meristem in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Research</i> , 2011, 124, 211-219.	2.4	8
26	<i>Arabidopsis</i> AUXIN RESPONSE FACTOR6 and 8 Regulate Jasmonic Acid Biosynthesis and Floral Organ Development via Repression of Class 1 KNOX Genes. <i>Plant and Cell Physiology</i> , 2010, 51, 164-175.	3.1	179
27	<i>gorgon</i> , a Novel Missense Mutation in the SHOOT MERISTEMLESS Gene, Impairs Shoot Meristem Homeostasis in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2010, 51, 621-634.	3.1	21
28	A Role for <i>Arabidopsis</i> PUCHI in Floral Meristem Identity and Bract Suppression. <i>Plant Cell</i> , 2009, 21, 1360-1372.	6.6	74
29	Identification of novel meristem factors involved in shoot regeneration through the analysis of temperature-sensitive mutants of <i>Arabidopsis</i> . <i>Plant Journal</i> , 2009, 57, 1027-1039.	5.7	34
30	Constitutive activation of a <i>CLRR</i> protein alters morphogenesis through the cytokinin pathway in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2008, 55, 14-27.	5.7	82
31	NAC Family Proteins NARS1/NAC2 and NARS2/NAM in the Outer Integument Regulate Embryogenesis in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2008, 20, 2631-2642.	6.6	141
32	The Auxin-Regulated AP2/EREBP Gene <i>PUCHI</i> Is Required for Morphogenesis in the Early Lateral Root Primordium of <i>Arabidopsis</i> . <i>Plant Cell</i> , 2007, 19, 2156-2168.	6.6	168
33	Morphogenesis and Patterning at the Organ Boundaries in the Higher Plant Shoot Apex. <i>Plant Molecular Biology</i> , 2006, 60, 915-928.	3.9	93
34	Genetic control of shoot organ boundaries. <i>Current Opinion in Plant Biology</i> , 2006, 9, 72-77.	7.1	130
35	<i>Arabidopsis</i> CUP-SHAPED COTYLEDON3 Regulates Postembryonic Shoot Meristem and Organ Boundary Formation. <i>Plant Cell</i> , 2006, 18, 2946-2957.	6.6	315
36	A role for chromatin remodeling in regulation of CUC gene expression in the <i>Arabidopsis</i> cotyledon boundary. <i>Development (Cambridge)</i> , 2006, 133, 3223-3230.	2.5	107

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37	The Balance between the MIR164A and CUC2 Genes Controls Leaf Margin Serration in Arabidopsis. <i>Plant Cell</i> , 2006, 18, 2929-2945.	6.6	513
38	The PIN auxin efflux facilitator network controls growth and patterning in Arabidopsis roots. <i>Nature</i> , 2005, 433, 39-44.	27.8	1,789
39	PIN-FORMED1 and PINOID regulate boundary formation and cotyledon development in Arabidopsis embryogenesis. <i>Development (Cambridge)</i> , 2004, 131, 5021-5030.	2.5	231
40	The NAC domain mediates functional specificity of CUP-SHAPED COTYLEDON proteins. <i>Plant Journal</i> , 2004, 40, 462-473.	5.7	67
41	The PLETHORA Genes Mediate Patterning of the Arabidopsis Root Stem Cell Niche. <i>Cell</i> , 2004, 119, 109-120.	28.9	1,022
42	Pattern Formation during Dicotyledonous Plant Embryogenesis. , 2003, , 139-152.		1
43	Roles of PIN-FORMED1 and MONOPTEROS in pattern formation of the apical region of the Arabidopsis embryo. <i>Development (Cambridge)</i> , 2002, 129, 3965-3974.	2.5	191
44	Roles of PIN-FORMED1 and MONOPTEROS in pattern formation of the apical region of the Arabidopsis embryo. <i>Development (Cambridge)</i> , 2002, 129, 3965-74.	2.5	87
45	Involvement of CUP-SHAPED COTYLEDON Genes in Gynoecium and Ovule Development in Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 2000, 41, 60-67.	3.1	130
46	A critical role of sterols in embryonic patterning and meristem programming revealed by the fackel mutants of Arabidopsis thaliana. <i>Genes and Development</i> , 2000, 14, 1485-1497.	5.9	178
47	Transgenic Tobacco Over-Expressing a Homeobox Gene Shows a Developmental Interaction between Leaf Morphogenesis and Phyllotaxy. <i>Plant and Cell Physiology</i> , 1999, 40, 657-667.	3.1	11
48	Shoot Apical Meristem Formation during Higher Plant Embryogenesis. <i>Plant Morphology</i> , 1999, 11, 2-13.	0.1	0
49	Genes involved in organ separation in Arabidopsis: an analysis of the cup-shaped cotyledon mutant.. <i>Plant Cell</i> , 1997, 9, 841-857.	6.6	1,272