Masahiko Furutani

List of Publications by Year
in descending order

22	2,175	394421 19	713466 21
papers	citations	h-index	g-index

22	22	22	2820
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	LAZY1-LIKE-mediated gravity signaling pathway in root gravitropic set-point angle control. Plant Physiology, 2021, 187, 1087-1095.	4.8	9
2	Polar recruitment of RLD by LAZY1-like protein during gravity signaling in root branch angle control. Nature Communications, 2020, 11, 76.	12.8	80
3	Mitochondrial Pyruvate Dehydrogenase Contributes to Auxin-Regulated Organ Development. Plant Physiology, 2019, 180, 896-909.	4.8	41
4	The Arabidopsis LAZY1 Family Plays a Key Role in Gravity Signaling within Statocytes and in Branch Angle Control of Roots and Shoots. Plant Cell, 2017, 29, 1984-1999.	6.6	143
5	Auxin-dependent compositional change in Mediator in ARF7- and ARF19-mediated transcription. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6562-6567.	7.1	93
6	MAB4-induced auxin sink generates local auxin gradients in Arabidopsis organ formation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1198-1203.	7.1	47
7	The CUC1 and CUC2 genes promote carpel margin meristem formation during Arabidopsis gynoecium development. Frontiers in Plant Science, 2014, 5, 165.	3.6	77
8	Auxin transport sites are visualized in planta using fluorescent auxin analogs. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11557-11562.	7.1	75
9	CRYPTIC PRECOCIOUS/MED12 is a Novel Flowering Regulator with Multiple Target Steps in Arabidopsis. Plant and Cell Physiology, 2012, 53, 287-303.	3.1	58
10	Alkoxy-auxins Are Selective Inhibitors of Auxin Transport Mediated by PIN, ABCB, and AUX1 Transporters. Journal of Biological Chemistry, 2011, 286, 2354-2364.	3.4	52
11	Polar-localized NPH3-like proteins regulate polarity and endocytosis of PIN-FORMED auxin efflux carriers. Development (Cambridge), 2011, 138, 2069-2078.	2.5	72
12	MACCHI-BOU 2 is Required for Early Embryo Patterning and Cotyledon Organogenesis in Arabidopsis. Plant and Cell Physiology, 2011, 52, 539-552.	3.1	53
13	Membrane Association of theArabidopsisARF Exchange Factor GNOM Involves Interaction of Conserved Domains. Plant Cell, 2008, 20, 142-151.	6.6	41
14	The geneMACCHI-BOU 4/ENHANCER OF PINOIDencodes a NPH3-like protein and reveals similarities between organogenesis and phototropism at the molecular level. Development (Cambridge), 2007, 134, 3849-3859.	2.5	89
15	TCP Transcription Factors Control the Morphology of Shoot Lateral Organs via Negative Regulation of the Expression of Boundary-Specific Genes in Arabidopsis. Plant Cell, 2007, 19, 473-484.	6.6	369
16	Insight into the basis of root growth in Arabidopsis thaliana provided by a simple mathematical model. Journal of Plant Research, 2006, 119, 85-93.	2.4	21
17	Arabidopsis CUP-SHAPED COTYLEDON3 Regulates Postembryonic Shoot Meristem and Organ Boundary Formation. Plant Cell, 2006, 18, 2946-2957.	6.6	315
18	PIN-FORMED1 and PINOID regulate boundary formation and cotyledon development in Arabidopsis embryogenesis. Development (Cambridge), 2004, 131, 5021-5030.	2.5	231

#	Article	IF	Citations
19	The GURKE Gene Encoding an Acetyl-CoA Carboxylase is Required for Partitioning the Embryo Apex into Three Subregions in Arabidopsis. Plant and Cell Physiology, 2004, 45, 1122-1128.	3.1	30
20	Pattern Formation during Dicotyledonous Plant Embryogenesis. , 2003, , 139-152.		1
21	Roles ofPIN-FORMED1andMONOPTEROSin pattern formation of the apical region of theArabidopsisembryo. Development (Cambridge), 2002, 129, 3965-3974.	2.5	191
22	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