Patrick Laufs

List of Publications by Year
in descending order

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49 papers	4,806 citations	172457 29 h-index	214800 47 g-index
53 all docs	53 docs citations	53 times ranked	4549 citing authors

#	Article	IF	Citations
1	Meristem Initiation and de novo Stem Cell Formation. Frontiers in Plant Science, 2022, 13, 891228.	3.6	8
2	A cell wall-associated gene network shapes leaf boundary domains. Development (Cambridge), 2022, 149, .	2.5	3
3	Photocontrol of Axillary Bud Outgrowth by MicroRNAs: Current State-of-the-Art and Novel Perspectives Gained From the Rosebush Model. Frontiers in Plant Science, 2021, 12, 770363.	3.6	2
4	Dissecting the pathways coordinating patterning and growth by plant boundary domains. PLoS Genetics, 2019, 15, e1007913.	3.5	36
5	Mangroves in the Leaves: Anatomy, Physiology, and Immunity of Epithemal Hydathodes. Annual Review of Phytopathology, 2019, 57, 91-116.	7.8	28
6	Surface Parameterization and Registration for Statistical Multiscale Atlasing of Organ Development. , 2019, , .		0
7	Getting leaves into shape: a molecular, cellular, environmental and evolutionary view. Development (Cambridge), 2018, 145, .	2.5	61
8	Heterogeneity and its multiscale integration in plant morphogenesis. Current Opinion in Plant Biology, 2018, 46, 18-24.	7.1	3
9	GDP-L-fucose is required for boundary definition in plants. Journal of Experimental Botany, 2017, 68, 5801-5811.	4.8	21
10	Multiscale quantification of morphodynamics: MorphoLeaf, software for 2-D shape analysis. Development (Cambridge), 2016, 143, 3417-28.	2.5	47
11	Apparition of the NAC Transcription Factors Predates the Emergence of Land Plants. Molecular Plant, 2016, 9, 1345-1348.	8.3	32
12	CUC Transcription Factors: To the Meristem and Beyond. , 2016, , 229-247.		17
13	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
14	Alternate wiring of a KNOXI genetic network underlies differences in leaf development of A. thaliana and C. hirsuta. Genes and Development, 2015, 29, 2391-2404.	5.9	68
15	Mechanical stress contributes to the expression of the STM homeobox gene in Arabidopsis shoot meristems. ELife, 2015, 4, e07811.	6.0	137
16	An <scp>APETALA</scp>3 homolog controls both petal identity and floral meristem patterning in <scp>N</scp>igella damascena <scp>L</scp>. (<scp>R</scp>anunculaceae). Plant Journal, 2013, 76, 223-235.	5.7	36
17	Plant Development: Brassinosteroids Go Out of Bounds. Current Biology, 2013, 23, R152-R154.	3.9	14
18	Combinations of Mutations Sufficient to Alter Arabidopsis Leaf Dissection. Plants, 2013, 2, 230-247.	3.5	17

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19	Genetic basis of the â€œsleeping leavesâ€•revealed. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11474-11475.	7.1	12
20	Evolution and Diverse Roles of theCUP-SHAPED COTYLEDONGenes inArabidopsisLeaf Development Â. Plant Cell, 2011, 23, 54-68.	6.6	165
21	Model for the regulation of Arabidopsis thaliana leaf margin development. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3424-3429.	7.1	399
22	Phyllotaxis: In Search of the Golden Angle. Current Biology, 2011, 21, R502-R504.	3.9	6
23	Divergent Expression Patterns of miR164 and CUP-SHAPED COTYLEDON Genes in Palms and Other Monocots: Implication for the Evolution of Meristem Function in Angiosperms. Molecular Biology and Evolution, 2011, 28, 1439-1454.	8.9	42
24	The transcription factor BELLRINGER modulates phyllotaxis by regulating the expression of a pectin methylesterase in Arabidopsis. Development (Cambridge), 2011, 138, 4733-4741.	2.5	68
25	Leaf development: what it needs to be complex. Current Opinion in Plant Biology, 2010, 13, 75-82.	7.1	60
26	Co-ordination of developmental processes by small RNAs during leaf development. Journal of Experimental Botany, 2010, 61, 1277-1291.	4.8	83
27	Leaving the meristem behind: The genetic and molecular control of leaf patterning and morphogenesis. Comptes Rendus - Biologies, 2010, 333, 350-360.	0.2	42
28	How to dissect a leaf: A role for the NAM/CUC3 genes and the microRNA miR164. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 153, S174.	1.8	0
29	Shaping the meristem by mechanical forces. F1000 Biology Reports, 2009, 1, 45.	4.0	1
30	Interplay of miR164, CUPâ€SHAPED COTYLEDON genes and LATERAL SUPPRESSOR controls axillary meristem formation in Arabidopsis thaliana. Plant Journal, 2008, 55, 65-76.	5.7	246
31	Genes of the most conserved WOX clade in plants affect root and flower development in Arabidopsis. BMC Evolutionary Biology, 2008, 8, 291.	3.2	140
32	Arabidopsis Phyllotaxis Is Controlled by the Methyl-Esterification Status of Cell-Wall Pectins. Current Biology, 2008, 18, 1943-1948.	3.9	302
33	A Conserved Molecular Framework for Compound Leaf Development. Science, 2008, 322, 1835-1839.	12.6	320
34	Plants expressing a miR164-resistant CUC2 gene reveal the importance of post-meristematic maintenance of phyllotaxy in Arabidopsis. Development (Cambridge), 2007, 134, 1045-1050.	2.5	113
35	Phyllotaxy. Plant Signaling and Behavior, 2007, 2, 293-295.	2.4	3
36	Dynamic and Compensatory Responses of Arabidopsis Shoot and Floral Meristems to CLV3 Signaling. Plant Cell, 2006, 18, 1188-1198.	6.6	164

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37	Cell Differentiation and Organ Initiation at the Shoot Apical Meristem. Plant Molecular Biology, 2006, 60, 811-826.	3.9	63
38	The Balance between the MIR164A and CUC2 Genes Controls Leaf Margin Serration in Arabidopsis. Plant Cell, 2006, 18, 2929-2945.	6.6	513
39	The alc-GR System. A Modified alc Gene Switch Designed for Use in Plant Tissue Culture. Plant Physiology, 2005, 138, 1259-1267.	4.8	27
40	In Vivo Analysis of Cell Division, Cell Growth, and Differentiation at the Shoot Apical Meristem in Arabidopsis. Plant Cell, 2004, 16, 74-87.	6.6	199
41	MicroRNA regulation of the CUC genes is required for boundary size control in Arabidopsis meristems. Development (Cambridge), 2004, 131, 4311-4322.	2.5	481
42	The ethanol switch: a tool for tissue-specific gene induction during plant development. Plant Journal, 2003, 36, 918-930.	5.7	115
43	Separable roles ofUFOduring floral development revealed by conditional restoration of gene function. Development (Cambridge), 2003, 130, 785-796.	2.5	76
44	Characterization of the ethanol-inducible alc gene-expression system in Arabidopsis thaliana. Plant Journal, 2001, 28, 225-235.	5.7	198
45	A chromosomal paracentric inversion associated with T-DNA integration in Arabidopsis. Plant Journal, 1999, 18, 131-139.	5.7	69
46	Cells and domains: Two views of the shoot meristem in Arabidopsis. Plant Physiology and Biochemistry, 1998, 36, 33-45.	5.8	21
47	Cellular Parameters of the Shoot Apical Meristem in Arabidopsis. Plant Cell, 1998, 10, 1375-1389.	6.6	230
48	Cellular Parameters of the Shoot Apical Meristem in Arabidopsis. Plant Cell, 1998, 10, 1375.	6.6	15
49	A mutation affecting etiolation and cell elongation in Nicotiana plumbaginifolia causes abnormal division plane alignment and pattern formation in the root meristem+. Plant Journal, 1995, 7, 785-796.	5.7	25