Robert Sablowski

List of Publications by Year
in descending order

48 papers	5,398 citations	117625 34 h-index	223800 46 g-index
121 all docs	121 docs citations	121 times ranked	5548 citing authors

#	Article	IF	Citations
1	A Homolog of NO APICAL MERISTEM Is an Immediate Target of the Floral Homeotic Genes APETALA3/PISTILLATA. Cell, 1998, 92, 93-103.	28.9	540
2	Arabidopsis KNOXI Proteins Activate Cytokinin Biosynthesis. Current Biology, 2005, 15, 1566-1571.	3.9	474
3	Transcriptional Activation of APETALA1 by LEAFY. Science, 1999, 285, 582-584.	12.6	447
4	Transcriptional program controlled by the floral homeotic gene AGAMOUS during early organogenesis. Development (Cambridge), 2005, 132, 429-438.	2.5	335
5	A Link Between mRNA Turnover and RNA Interference in Arabidopsis. Science, 2004, 306, 1046-1048.	12.6	300
6	Hypersensitivity to DNA damage in plant stem cell niches. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20984-20988.	7.1	238
7	WUSCHEL induces shoot stem cell activity and developmental plasticity in the root meristem. Genes and Development, 2004, 18, 375-380.	5.9	229
8	Combined SHOOT MERISTEMLESS and WUSCHEL trigger ectopic organogenesis inArabidopsis. Development (Cambridge), 2002, 129, 3207-3217.	2.5	221
9	Gibberellins control fruit patterning in Arabidopsis thaliana. Genes and Development, 2010, 24, 2127-2132.	5.9	174
10	Two classes of cis sequences contribute to tissue-specific expression of a PAL2 promoter in transgenic tobacco. Plant Journal, 1995, 7, 859-876.	5.7	157
11	Flowering and determinacy in Arabidopsis. Journal of Experimental Botany, 2007, 58, 899-907.	4.8	151
12	Interplay between cell growth and cell cycle in plants. Journal of Experimental Botany, 2014, 65, 2703-2714.	4.8	145
13	JAGGED Controls Arabidopsis Petal Growth and Shape by Interacting with a Divergent Polarity Field. PLoS Biology, 2013, 11, e1001550.	5.6	122
14	Combined SHOOT MERISTEMLESS and WUSCHEL trigger ectopic organogenesis in Arabidopsis. Development (Cambridge), 2002, 129, 3207-17.	2.5	110
15	TheArabidopsis thaliana MND1homologue plays a key role in meiotic homologous pairing, synapsis and recombination. Journal of Cell Science, 2006, 119, 2486-2496.	2.0	103
16	Arabidopsis JAGGED links floral organ patterning to tissue growth by repressing Kip-related cell cycle inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2830-2835.	7.1	94
17	Two-Step Regulation of a Meristematic Cell Population Acting in Shoot Branching in Arabidopsis. PLoS Genetics, 2016, 12, e1006168.	3.5	91
18	The dynamic plant stem cell niches. Current Opinion in Plant Biology, 2007, 10, 639-644.	7.1	87

#	Article	IF	Citations
19	ARABIDOPSIS THALIANA HOMEOBOX GENE1Establishes the Basal Boundaries of Shoot Organs and Controls Stem Growth. Plant Cell, 2008, 20, 2059-2072.	6.6	84
20	Plant stem cell niches: from signalling to execution. Current Opinion in Plant Biology, 2011, 14, 4-9.	7.1	83
21	DELLA genes restrict inflorescence meristem function independently of plant height. Nature Plants, 2017, 3, 749-754.	9.3	82
22	Spatiotemporal coordination of cell division and growth during organ morphogenesis. PLoS Biology, 2018, 16, e2005952.	5.6	79
23	AHP2 is required for bivalent formation and for segregation of homologous chromosomes in Arabidopsis meiosis. Plant Journal, 2003, 36, 1-11.	5.7	78
24	Control of Oriented Tissue Growth through Repression of Organ Boundary Genes Promotes Stem Morphogenesis. Developmental Cell, 2016, 39, 198-208.	7.0	75
25	Plant and animal stem cells: conceptually similar, molecularly distinct?. Trends in Cell Biology, 2004, 14, 605-611.	7.9	74
26	Control of patterning, growth, and differentiation by floral organ identity genes. Journal of Experimental Botany, 2015, 66, 1065-1073.	4.8	73
27	The Same Regulatory Point Mutation Changed Seed-Dispersal Structures in Evolution and Domestication. Current Biology, 2011, 21, 1215-1219.	3.9	72
28	JAGGED Controls Growth Anisotropy and Coordination between Cell Size and Cell Cycle during Plant Organogenesis. Current Biology, 2012, 22, 1739-1746.	3.9	70
29	Cell size controlled in plants using DNA content as an internal scale. Science, 2021, 372, 1176-1181.	12.6	70
30	Expression of a flower-specific Myb protein in leaf cells using a viral vector causes ectopic activation of a target promoter.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 6901-6905.	7.1	67
31	Walls around tumours â€" why plants do not develop cancer. Nature Reviews Cancer, 2010, 10, 794-802.	28.4	67
32	Active Control of Cell Size Generates Spatial Detail during Plant Organogenesis. Current Biology, 2015, 25, 2991-2996.	3.9	59
33	Coordination of plant cell growth and division: collective control or mutual agreement?. Current Opinion in Plant Biology, 2016, 34, 54-60.	7.1	57
34	Genes and functions controlled by floral organ identity genes. Seminars in Cell and Developmental Biology, 2010, 21, 94-99.	5.0	39
35	Cell Size Control in Plants. Annual Review of Genetics, 2019, 53, 45-65.	7.6	36
36	Intercellular signalling in the transition from stem cells to organogenesis in meristems. Current Opinion in Plant Biology, 2005, 8, 26-31.	7.1	32

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37	Cycling in a crowd: Coordination of plant cell division, growth, and cell fate. Plant Cell, 2022, 34, 193-208.	6.6	31
38	A Self-Activation Loop Maintains Meristematic Cell Fate for Branching. Current Biology, 2020, 30, 1893-1904.e4.	3.9	30
39	The pillars of land plants: new insights into stem development. Current Opinion in Plant Biology, 2018, 45, 11-17.	7.1	26
40	Phosducin-Like Protein 3 Is Required for Microtubule-Dependent Steps of Cell Division but Not for Meristem Growth inArabidopsisÂ Â. Plant Cell, 2008, 20, 969-981.	6.6	24
41	Cytokinin and WUSCHEL tie the knot around plant stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16016-16017.	7.1	22
42	ARABIDOPSIS THALIANA HOMEOBOX GENE 1 controls plant architecture by locally restricting environmental responses. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
43	Plant Biology. , 0, , .		11
44	Root Development: The Embryo Within?. Current Biology, 2004, 14, R1054-R1055.	3.9	4
45	A Phloem-Expressed PECTATE LYASE-LIKE Gene Promotes Cambium and Xylem Development. Frontiers in Plant Science, 2022, 13, 888201.	3.6	4
46	PLANT SCIENCES: Enhanced: Plant Genes on Steroids. Science, 2005, 307, 1569-1570.	12.6	3
47	Roots of beauty. Nature Reviews Molecular Cell Biology, 2013, 14, 268-268.	37.0	2
48	Paper alert: Plant biology. Current Opinion in Plant Biology, 2001, 4, 463-472.	7.1	0