David R Smyth

List of Publications by Year in descending order

66 papers	5,580 citations	159358 30 h-index	106150 65 g-index
170 all docs	170 docs citations	170 times ranked	5181 citing authors

#	Article	IF	Citations
1	LEAFY controls floral meristem identity in Arabidopsis. Cell, 1992, 69, 843-859.	13.5	1,442
2	TRANSPARENT TESTA GLABRA2, a Trichome and Seed Coat Development Gene of Arabidopsis, Encodes a WRKY Transcription Factor. Plant Cell, 2002, 14, 1359-1375.	3.1	690
3	Morphogenesis in pinoid mutants of Arabidopsis thaliana. Plant Journal, 1995, 8, 505-520.	2.8	385
4	terminal flower: a gene affecting inflorescence development in Arabidopsis thaliana. Plant Journal, 1992, 2, 103-116.	2.8	322
5	INDEHISCENT and SPATULA Interact to Specify Carpel and Valve Margin Tissue and Thus Promote Seed Dispersal in<i>Arabidopsis</i>Â. Plant Cell, 2011, 23, 3641-3653.	3.1	165
6	The trihelix family of transcription factors â€“ light, stress and development. Trends in Plant Science, 2012, 17, 163-171.	4.3	165
7	Plant retrotransposon from Lilium henryi is related to Ty3 of yeast and the gypsy group of Drosophila.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 5015-5019.	3.3	154
8	The ABC model of flower development: then and now. Development (Cambridge), 2012, 139, 4095-4098.	1.2	147
9	PETAL LOSS, a trihelix transcription factor gene, regulates perianth architecture in the Arabidopsis flower. Development (Cambridge), 2004, 131, 4035-4045.	1.2	144
10	CRABS CLAWandSPATULAGenes Regulate Growth and Pattern Formation during Gynoecium Development inArabidopsis thaliana. International Journal of Plant Sciences, 2002, 163, 17-41.	0.6	130
11	Two repeated DNA sequences from the heterochromatic regions of rye (Secale cereale) chromosomes. Chromosoma, 1981, 84, 265-277.	1.0	120
12	An abundant LINE-like element amplified in the genome of Lilium speciosum. Molecular Genetics and Genomics, 1993, 237-237, 97-104.	2.4	116
13	<i>SPATULA</i> and <i>ALCATRAZ,</i> are partially redundant, functionally diverging bHLH genes required for Arabidopsis gynoecium and fruit development. Plant Journal, 2011, 68, 816-829.	2.8	92
14	Genes conferring late flowering inArabidopsis thaliana. Genetica, 1993, 90, 147-155.	0.5	83
15	Auxin controls petal initiation in <i>Arabidopsis</i>. Development (Cambridge), 2013, 140, 185-194.	1.2	75
16	Functional domains of SPATULA, a bHLH transcription factor involved in carpel and fruit development in Arabidopsis. Plant Journal, 2008, 55, 40-52.	2.8	72
17	Regulation of tissue-specific expression of SPATULA, a bHLH gene involved in carpel development, seedling germination, and lateral organ growth in Arabidopsis. Journal of Experimental Botany, 2010, 61, 1495-1508.	2.4	72
18	Helical growth in plant organs: mechanisms and significance. Development (Cambridge), 2016, 143, 3272-3282.	1.2	72

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19	A survey of C-band patterns in chromosomes ofLilium (Liliaceae). Plant Systematics and Evolution, 1989, 163, 53-69.	0.3	62
20	Dispersed repeats in plant genomes. Chromosoma, 1991, 100, 355-359.	1.0	61
21	<i>PETAL LOSS</i> is a boundary gene that inhibits growth between developing sepals in <i>Arabidopsis thaliana</i>. Plant Journal, 2012, 71, 724-735.	2.8	60
22	Floral and Vegetative Morphogenesis in California Poppy (Eschscholzia californica Cham.). International Journal of Plant Sciences, 2005, 166, 537-555.	0.6	58
23	Interactions of CUP-SHAPED COTYLEDON and SPATULA Genes Control Carpel Margin Development in Arabidopsis thaliana. Plant and Cell Physiology, 2012, 53, 1134-1143.	1.5	56
24	The<i>seirena</i>B Class Floral Homeotic Mutant of California Poppy (<i>Eschscholzia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (ca MADS Domain Protein Complexes Â Â. Plant Cell, 2013, 25, 438-453.	3.1	52
25	Morphogenesis of Flowersâ€"Our Evolving View. Plant Cell, 2005, 17, 330-341.	3.1	48
26	An element with long terminal repeats and its variant arrangements in the genome of Lilium henryi. Molecular Genetics and Genomics, 1989, 215, 349-354.	2.4	44
27	Flower Development: Origin of the cauliflower. Current Biology, 1995, 5, 361-363.	1.8	41
28	Evolution and genetic control of the floral ground plan. New Phytologist, 2018, 220, 70-86.	3.5	38
29	Patterns of Petal and Stamen Reduction in Australian Species of Lepidium L. (Brassicaceae). International Journal of Plant Sciences, 1998, 159, 65-74.	0.6	32
30	PETAL LOSS, a trihelix transcription factor that represses growth in Arabidopsis thaliana, binds the energy-sensing SnRK1 kinase AKIN10. Journal of Experimental Botany, 2015, 66, 2475-2485.	2.4	31
31	Interspecies distribution of abundant DNA sequences inLilium. Journal of Molecular Evolution, 1990, 30, 146-154.	0.8	29
32	A New map of the Amination-1 Locus of Neurospora Crassa, and the Effect of the Recombination-3 Gene. Australian Journal of Biological Sciences, 1973, 26, 1355.	0.5	29
33	Functional domains of the <scp>PETAL LOSS</scp> protein, a trihelix transcription factor that represses regional growth in <i><scp>A</scp>rabidopsis thaliana</i>. Plant Journal, 2014, 79, 477-491.	2.8	25
34	Gene silencing: Cosuppression at a distance. Current Biology, 1997, 7, R793-R796.	1.8	23
35	Genetic pathways controlling carpel development inArabidopsis thaliana. Journal of Plant Research, 1998, 111, 295-298.	1.2	23
36	A reverse trend â€" MADS functions revealed. Trends in Plant Science, 2000, 5, 315-317.	4.3	23

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37	Q-bands in Lilium and their relationship to C-banded heterochromatin. Chromosoma, 1977, 60, 169-178.	1.0	22
38	An under-methylated region in the spacer of ribosomal RNA genes of Lilium henryi. Plant Molecular Biology, 1986, 6, 33-39.	2.0	20
39	Wrinkles on Sepals: Cuticular Ridges Form when Cuticle Production Outpaces Epidermal Cell Expansion. Molecular Plant, 2017, 10, 540-541.	3.9	19
40	PETAL LOSS and ROXY1 Interact to Limit Growth Within and between Sepals But to Promote Petal Initiation in Arabidopsis thaliana. Frontiers in Plant Science, 2017, 8, 152.	1.7	18
41	DNA extraction during giemsa differentiation of chromatids singly and doubly substituted with BrdU. Chromosoma, 1981, 81, 691-700.	1.0	16
42	A family of repeated sequences dispersed through the genome of Lilium henryi. Chromosoma, 1985, 92, 149-155.	1.0	16
43	Gene silencing: Plants and viruses fight it out. Current Biology, 1999, 9, R79.	1.8	15
44	Early Flower Development in Arabidopsis. Plant Cell, 1990, 2, 755.	3.1	14
45	DNA loss during C-banding of chromosomes of Lilium longiflorum. Chromosoma, 1978, 68, 59-72.	1.0	12
46	Champagne surprise. Nature, 2002, 416, 801-801.	13.7	11
47	Cytoplasmic DNA Synthesis at Meiotic Prophase in Lilium henryi. Australian Journal of Botany, 1979, 27, 273.	0.3	10
48	Action of Rec-3 on Recombination Near the Amination-I Locus of Neurospora Crassa. Australian Journal of Biological Sciences, 1973, 26, 439.	0.5	9
49	Silver staining test of nucleolar suppression in the Lilium hybrid â€˜Black Beautyâ€™. Experimental Cell Research, 1980, 129, 481-485.	1.2	9
50	UV-induced DNA repair is not detectable in pre-dictyate oocytes of the mouse. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1988, 208, 115-119.	1.2	9
51	Plant development: Attractive ovules. Current Biology, 1997, 7, R64-R66.	1.8	9
52	Silver bands in chronic granulocytic leukemia: I. Increased banding associated with blastic transformation. Cancer Genetics and Cytogenetics, 1984, 11, 61-68.	1.0	8
53	Flower development. Current Biology, 2001, 11, R82-R84.	1.8	8
54	Arabidopsis thaliana: a Model Plant for Studying the Molecular Basis of Morphogenesis. Functional Plant Biology, 1990, 17, 323.	1.1	8

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55	Effect of Rec-3 on Polarity of Recombination in the Animation-1 Locus of Neurospora Crassa. Australian Journal of Biological Sciences, 1971, 24, 97.	0.5	7
56	Patterns of exchange induced by mitomycin C in C-bands of human chromosomes. I. Relationship to C-band size in chromosomes 1, 9, and 16. Human Genetics, 1982, 62, 342-345.	1.8	5
57	Patterns of exchange induced by mitomycin C in C-bands of human chromosomes. II. High frequency of Y-Y exchange in XYY cells. Human Genetics, 1982, 62, 346-348.	1.8	4
58	Understanding and controlling plant development. Trends in Biotechnology, 1995, 13, 338-343.	4.9	3
59	Late labelled regions in relation to Q- and C-bands in chromosomes of Lilium longiflorum and L. pardalinum. Chromosoma, 1980, 76, 151-164.	1.0	2
60	Different replication patterns of chromocentres and C-bands inLilium henryi. Chromosoma, 1985, 93, 49-56.	1.0	2
61	Silver bands in chronic granulocytic leukemia. II. The Philadelphia chromosome. Cancer Genetics and Cytogenetics, 1987, 25, 131-139.	1.0	2
62	Plant genetics: Fast flowering. Current Biology, 1996, 6, 122-124.	1.8	1
63	Editorial overview: Plant morphogenesisâ€"new understanding of its organization and evolution. Current Opinion in Plant Biology, 2014, 17, v-ix.	3.5	1
64	The Plant CellIntroduces Breakthrough Reports: A New Forum for Cutting-Edge Plant Research. Plant Cell, 2015, , tpc.15.00862.	3.1	1
65	Behind the blooms: David Smyth. Nature, 2003, 422, 121-121.	13.7	0
66	David Smyth. Current Biology, 2007, 17, R1032-R1034.	1.8	0