

Brendan Davies

List of Publications by Year in descending order

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45
papers

5,417
citations

136950

32
h-index

254184

43
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47
all docs

47
docs citations

47
times ranked

5630
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular and Phylogenetic Analyses of the Complete MADS-Box Transcription Factor Family in Arabidopsis. <i>Plant Cell</i> , 2003, 15, 1538-1551.	6.6	758
2	Comprehensive Interaction Map of the Arabidopsis MADS Box Transcription Factors. <i>Plant Cell</i> , 2005, 17, 1424-1433.	6.6	528
3	The TOPLESS Interactome: A Framework for Gene Repression in Arabidopsis. <i>Plant Physiology</i> , 2012, 158, 423-438.	4.8	481
4	Floral organ identity: 20 years of ABCs. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 73-79.	5.0	306
5	TCP14 and TCP15 affect internode length and leaf shape in Arabidopsis. <i>Plant Journal</i> , 2011, 68, 147-158.	5.7	261
6	PLENA and FARINELLI: redundancy and regulatory interactions between two Antirrhinum MADS-box factors controlling flower development. <i>EMBO Journal</i> , 1999, 18, 4023-4034.	7.8	237
7	Analysis of the Transcription Factor WUSCHEL and Its Functional Homologue in Antirrhinum Reveals a Potential Mechanism for Their Roles in Meristem Maintenance. <i>Plant Cell</i> , 2006, 18, 560-573.	6.6	203
8	UPF1 is required for nonsense-mediated mRNA decay (NMD) and RNAi in Arabidopsis. <i>Plant Journal</i> , 2006, 47, 480-489.	5.7	183
9	Evolution in Action: Following Function in Duplicated Floral Homeotic Genes. <i>Current Biology</i> , 2005, 15, 1508-1512.	3.9	165
10	CUPULIFORMIS establishes lateral organ boundaries in Antirrhinum. <i>Development (Cambridge)</i> , 2004, 131, 915-922.	2.5	155
11	Formins: intermediates in signal-transduction cascades that affect cytoskeletal reorganization. <i>Trends in Plant Science</i> , 2002, 7, 492-498.	8.8	149
12	Stem Cell Regulation by Arabidopsis WOX Genes. <i>Molecular Plant</i> , 2016, 9, 1028-1039.	8.3	137
13	Arabidopsis group le formins localize to specific cell membrane domains, interact with actin-binding proteins and cause defects in cell expansion upon aberrant expression. <i>New Phytologist</i> , 2005, 168, 529-540.	7.3	122
14	Gene Duplication and the Evolution of Plant MADS-box Transcription Factors. <i>Journal of Genetics and Genomics</i> , 2012, 39, 157-165.	3.9	120
15	An Atlas of Type I MADS Box Gene Expression during Female Gametophyte and Seed Development in Arabidopsis. <i>Plant Physiology</i> , 2010, 154, 287-300.	4.8	117
16	A Role for Nonsense-Mediated mRNA Decay in Plants: Pathogen Responses Are Induced in Arabidopsis thaliana NMD Mutants. <i>PLoS ONE</i> , 2012, 7, e31917.	2.5	114
17	The (r)evolution of gene regulatory networks controlling Arabidopsis plant reproduction: a two-decade history. <i>Journal of Experimental Botany</i> , 2014, 65, 4731-4745.	4.8	106
18	Analysing protein-protein interactions with the yeast two-hybrid system. <i>Plant Molecular Biology</i> , 2002, 50, 855-870.	3.9	103

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19	An everlasting pioneer: the story of Antirrhinum research. <i>Nature Reviews Genetics</i> , 2003, 4, 655-664.	16.3	102
20	Beyond the ABCs: ternary complex formation in the control of floral organ identity. <i>Trends in Plant Science</i> , 2000, 5, 471-476.	8.8	96
21	Arabidopsis NAP1 Is Essential for Arp2/3-Dependent Trichome Morphogenesis. <i>Current Biology</i> , 2004, 14, 1410-1414.	3.9	95
22	MAF2 Is Regulated by Temperature-Dependent Splicing and Represses Flowering at Low Temperatures in Parallel with FLM. <i>PLoS ONE</i> , 2015, 10, e0126516.	2.5	89
23	Control of Floral Organ Identity by Homeotic MADS-Box Transcription Factors. <i>Results and Problems in Cell Differentiation</i> , 1994, 20, 235-258.	0.7	81
24	Alteration of tobacco floral organ identity by expression of combinations of Antirrhinum MADS-box genes. <i>Plant Journal</i> , 1996, 10, 663-677.	5.7	80
25	DNA binding and dimerisation determinants of Antirrhinum majus MADS-box transcription factors. <i>Nucleic Acids Research</i> , 1998, 26, 5277-5287.	14.5	77
26	PLANT BIOLOGY: MADS-Box Genes Reach Maturity. <i>Science</i> , 2002, 296, 275-276.	12.6	62
27	TOPLESS co-repressor interactions and their evolutionary conservation in plants. <i>Plant Signaling and Behavior</i> , 2012, 7, 325-328.	2.4	59
28	SMG1 is an ancient nonsense-mediated mRNA decay effector. <i>Plant Journal</i> , 2013, 76, 800-810.	5.7	58
29	Single amino acid change alters the ability to specify male or female organ identity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18898-18902.	7.1	50
30	Tracing the Evolution of the Floral Homeotic B- and C-Function Genes through Genome Synteny. <i>Molecular Biology and Evolution</i> , 2010, 27, 2651-2664.	8.9	36
31	An antirrhinum ternary complex factor specifically interacts with C-function and SEPALLATA-like MADS-box factors. <i>Plant Molecular Biology</i> , 2003, 52, 1051-1062.	3.9	34
32	Conservation of Nonsense-Mediated mRNA Decay Complex Components Throughout Eukaryotic Evolution. <i>Scientific Reports</i> , 2017, 7, 16692.	3.3	34
33	Conserved intragenic elements were critical for the evolution of the floral C-function. <i>Plant Journal</i> , 2009, 58, 41-52.	5.7	33
34	An Immune-Responsive Cytoskeletal-Plasma Membrane Feedback Loop in Plants. <i>Current Biology</i> , 2018, 28, 2136-2144.e7.	3.9	32
35	Flower Development: The Antirrhinum Perspective. <i>Advances in Botanical Research</i> , 2006, 44, 279-321.	1.1	28
36	Flower Development: Open Questions and Future Directions. <i>Methods in Molecular Biology</i> , 2014, 1110, 103-124.	0.9	26

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37	The loss of SMG1 causes defects in quality control pathways in <i>Physcomitrella patens</i> . <i>Nucleic Acids Research</i> , 2018, 46, 5822-5836.	14.5	24
38	Developmental programmes in floral organ formation. <i>Seminars in Cell and Developmental Biology</i> , 2001, 12, 373-380.	5.0	22
39	The <i>S</i> locus-linked <i>Primula</i> homeotic mutant <i>sepaloid</i> shows characteristics of a <i>B</i> -function mutant but does not result from mutation in a <i>B</i> -function gene. <i>Plant Journal</i> , 2008, 56, 1-12.	5.7	16
40	The salicylic acid dependent and independent effects of NMD in plants. <i>Plant Signaling and Behavior</i> , 2012, 7, 1434-1437.	2.4	12
41	Plants utilise ancient conserved peptide upstream open reading frames in stress-responsive translational regulation. <i>Plant, Cell and Environment</i> , 2022, 45, 1229-1241.	5.7	10
42	Flower Development in the Asterid Lineage. <i>Methods in Molecular Biology</i> , 2014, 1110, 35-55.	0.9	7
43	Flower Development: Genetic Views and Molecular News. , 1999, , 167-183.		6
44	Two is company: The complex travel arrangements of floral homeotic factors. <i>BioEssays</i> , 1996, 18, 863-866.	2.5	2
45	Forward. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 72.	5.0	0