

Mary E Byrne

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

3,470
citations

257450

24
h-index

477307

29
g-index

29
all docs

29
docs citations

29
times ranked

3480
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric leaves1 mediates leaf patterning and stem cell function in Arabidopsis. Nature, 2000, 408, 967-971.	27.8	716
2	<i>ASMMETRIC LEAVES1</i> reveals <i>knox</i> gene redundancy in <i>Arabidopsis</i> . Development (Cambridge), 2002, 129, 1957-1965.	2.5	345
3	Specification of Leaf Polarity in Arabidopsis via the trans-Acting siRNA Pathway. Current Biology, 2006, 16, 933-938.	3.9	340
4	A role for the ribosome in development. Trends in Plant Science, 2009, 14, 512-519.	8.8	262
5	<i>RID1</i> , encoding a Cys2/His2-type zinc finger transcription factor, acts as a master switch from vegetative to floral development in rice. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12915-12920.	7.1	207
6	Phyllotactic pattern and stem cell fate are determined by the Arabidopsis homeobox gene BELLRINGER. Development (Cambridge), 2003, 130, 3941-3950.	2.5	187
7	ASMMETRIC LEAVES1 reveals <i>knox</i> gene redundancy in Arabidopsis. Development (Cambridge), 2002, 129, 1957-65.	2.5	170
8	Nucleotide sequence analysis of IS256 from the Staphylococcus aureus gentamicin-tobramycin-kanamycin-resistance transposon Tn4001. Gene, 1989, 81, 361-367.	2.2	162
9	Three <i>PIGGYBACK</i> genes that specifically influence leaf patterning encode ribosomal proteins. Development (Cambridge), 2008, 135, 1315-1324.	2.5	144
10	Shoot Meristem Function and Leaf Polarity: The Role of Class III HD“ZIP Genes. PLoS Genetics, 2006, 2, e89.	3.5	114
11	Ribosomal protein L27a is required for growth and patterning in <i>Arabidopsis thaliana</i> . Plant Journal, 2011, 65, 269-281.	5.7	93
12	Networks in leaf development. Current Opinion in Plant Biology, 2005, 8, 59-66.	7.1	91
13	Development of leaf shape. Current Opinion in Plant Biology, 2001, 4, 38-43.	7.1	76
14	<i>MORE SPIKELETS1</i> Is Required for Spikelet Fate in the Inflorescence of Brachypodium. Plant Physiology, 2013, 161, 1291-1302.	4.8	70
15	Do longer root hairs improve phosphorus uptake? Testing the hypothesis with transgenic <i>Brachypodium distachyon</i> lines overexpressing endogenous <i>scpRSL</i> genes. New Phytologist, 2018, 217, 1654-1666.	7.3	68
16	Making leaves. Current Opinion in Plant Biology, 2012, 15, 24-30.	7.1	60
17	Analysis of a transfer region from the staphylococcal conjugative plasmid pSK41. Gene, 1993, 136, 13-25.	2.2	58
18	Plant stem cells: divergent pathways and common themes in shoots and roots. Current Opinion in Genetics and Development, 2003, 13, 551-557.	3.3	46

#	ARTICLE	IF	CITATIONS
19	4' Adenyltransferase activity on conjugative plasmids isolated from <i>Staphylococcus aureus</i> is encoded on an integrated copy of pUB110. <i>Plasmid</i> , 1991, 25, 70-75.	1.4	42
20	Perspectives on leaf dorsoventral polarity. <i>Journal of Plant Research</i> , 2010, 123, 281-290.	2.4	42
21	Ribosomal Protein RPL27a Promotes Female Gametophyte Development in a Dose-Dependent Manner. <i>Plant Physiology</i> , 2014, 165, 1133-1143.	4.8	34
22	Progress in understanding the role of auxin in lateral organ development in plants. <i>Current Opinion in Plant Biology</i> , 2020, 53, 73-79.	7.1	34
23	How do "housekeeping" genes control organogenesis? unexpected new findings on the role of housekeeping genes in cell and organ differentiation. <i>Journal of Plant Research</i> , 2013, 126, 3-15.	2.4	31
24	The <i>Arabidopsis</i> organelle-localized glycyl-tRNA synthetase encoded by EMBRYO DEFECTIVE DEVELOPMENT1 is required for organ patterning. <i>Journal of Experimental Botany</i> , 2012, 63, 5233-5243.	4.8	29
25	Involvement of ribosomal protein RPL27a in meristem activity and organ development. <i>Plant Signaling and Behavior</i> , 2011, 6, 712-714.	2.4	16
26	Developmental genetics of the angiosperm leaf. <i>Advances in Botanical Research</i> , 2002, 38, 191-234.	1.1	12
27	Dosage Sensitivity of RPL9 and Concerted Evolution of Ribosomal Protein Genes in Plants. <i>Frontiers in Plant Science</i> , 2015, 6, 1102.	3.6	12
28	Opportunities and Challenges Grow from <i>Arabidopsis</i> Genome Sequencing. <i>Genome Research</i> , 1998, 8, 83-85.	5.5	5
29	SAW homeodomain transcription factors regulate initiation of leaf margin serrations. <i>Journal of Experimental Botany</i> , 2021, 72, 1738-1747.	4.8	4