

Michael J Deeks

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,687
citations

430874
18
h-index

610901
24
g-index

30
all docs

30
docs citations

30
times ranked

1618
citing authors

#	ARTICLE	IF	CITATIONS
1	CONTROL OF THE ACTIN CYTOSKELETON IN PLANT CELL GROWTH. Annual Review of Plant Biology, 2006, 57, 109-125.	18.7	277
2	The Plant Cytoskeleton, NET3C, and VAP27 Mediate the Link between the Plasma Membrane and Endoplasmic Reticulum. Current Biology, 2014, 24, 1397-1405.	3.9	180
3	Formins: intermediates in signal-transduction cascades that affect cytoskeletal reorganization. Trends in Plant Science, 2002, 7, 492-498.	8.8	149
4	Arabidopsis group Ie formins localize to specific cell membrane domains, interact with actin-binding proteins and cause defects in cell expansion upon aberrant expression. New Phytologist, 2005, 168, 529-540.	7.3	122
5	The plant formin AtFH4 interacts with both actin and microtubules, and contains a newly identified microtubule-binding domain. Journal of Cell Science, 2010, 123, 1209-1215.	2.0	117
6	A Superfamily of Actin-Binding Proteins at the Actin-Membrane Nexus of Higher Plants. Current Biology, 2012, 22, 1595-1600.	3.9	115
7	Strategies of actin reorganisation in plant cells. Journal of Cell Science, 2010, 123, 3019-3028.	2.0	100
8	Arabidopsis NAP1 Is Essential for Arp2/3-Dependent Trichome Morphogenesis. Current Biology, 2004, 14, 1410-1414.	3.9	95
9	The ARP2/3 Complex Mediates Guard Cell Actin Reorganization and Stomatal Movement in <i>Arabidopsis</i> . Plant Cell, 2012, 24, 2031-2040.	6.6	74
10	Arp2/3 and SCAR: plants move to the fore. Nature Reviews Molecular Cell Biology, 2005, 6, 954-964.	37.0	71
11	<i>Arabidopsis</i> CAP1 "a key regulator of actin organisation and development. Journal of Cell Science, 2007, 120, 2609-2618.	2.0	70
12	Arp2/3 and "The Shape of things to come"™. Current Opinion in Plant Biology, 2003, 6, 561-567.	7.1	62
13	Prieurianin/endosidin1 is an actin-stabilizing small molecule identified from a chemical genetic screen for circadian clock effectors in <i>Arabidopsis thaliana</i> . Plant Journal, 2012, 71, 338-352.	5.7	53
14	An Immune-Responsive Cytoskeletal-Plasma Membrane Feedback Loop in Plants. Current Biology, 2018, 28, 2136-2144.e7.	3.9	32
15	A Compartmental Model Analysis of Integrative and Self-Regulatory Ion Dynamics in Pollen Tube Growth. PLoS ONE, 2010, 5, e13157.	2.5	31
16	The evolution of the actin binding NET superfamily. Frontiers in Plant Science, 2014, 5, 254.	3.6	27
17	Actin filament reorganisation controlled by the SCAR/WAVE complex mediates stomatal response to darkness. New Phytologist, 2017, 215, 1059-1067.	7.3	27
18	Actin-membrane interactions mediated by NETWORKED2 in Arabidopsis pollen tubes through associations with Pollen Receptor-Like Kinase 4 and 5. New Phytologist, 2017, 216, 1170-1180.	7.3	22

#	ARTICLE	IF	CITATIONS
19	The cell wall of <i>Arabidopsis thaliana</i> influences actin network dynamics. <i>Journal of Experimental Botany</i> , 2017, 68, 4517-4527.	4.8	22
20	A Thermodynamic Model of Microtubule Assembly and Disassembly. <i>PLoS ONE</i> , 2009, 4, e6378.	2.5	15
21	NETWORKED2 subfamily proteins regulate the cortical actin cytoskeleton of growing pollen tubes and polarised pollen tube growth. <i>New Phytologist</i> , 2021, 231, 152-164.	7.3	11
22	Blobs and curves: object-based colocalisation for plant cells. <i>Functional Plant Biology</i> , 2015, 42, 471.	2.1	5
23	Seeing is believing: cell biology at the plant-microbe interface. <i>New Phytologist</i> , 2016, 211, 16-19.	7.3	4
24	Making microscopy count: quantitative light microscopy of dynamic processes in living plants. <i>Journal of Microscopy</i> , 2016, 263, 181-191.	1.8	4
25	Plant biology: Plant formins roll out the welcome wagon for microbes. <i>Current Biology</i> , 2021, 31, R788-R791.	3.9	0