Eva Elisabeth Deinum

List of Publications by Year
in descending order

19	1,048	567281 15	839539 18
papers	citations	h-index	g-index

28	28	28	1351
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fate map of Medicago truncatula root nodules. Development (Cambridge), 2014, 141, 3517-3528.	2.5	245
2	Rhizobium Lipo-chitooligosaccharide Signaling Triggers Accumulation of Cytokinins in Medicago truncatula Roots. Molecular Plant, 2015, 8, 1213-1226.	8.3	146
3	Global population divergence and admixture of the brown rat (Rattus norvegicus). Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161762.	2.6	119
4	Auxin transport, metabolism, and signalling during nodule initiation: indeterminate and determinate nodules. Journal of Experimental Botany, 2018, 69, 229-244.	4.8	86
5	How selective severing by katanin promotes order in the plant cortical microtubule array. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6942-6947.	7.1	56
6	Taking directions: the role of microtubule-bound nucleation in the self-organization of the plant cortical array. Physical Biology, 2011, 8, 056002.	1.8	50
7	Modelling the role of microtubules in plant cell morphology. Current Opinion in Plant Biology, 2013, 16, 688-692.	7.1	49
8	Modeling a Cortical Auxin Maximum for Nodulation: Different Signatures of Potential Strategies. Frontiers in Plant Science, 2012, 3, 96.	3.6	44
9	Recent Evolution inRattus norvegicusIs Shaped by Declining Effective Population Size. Molecular Biology and Evolution, 2015, 32, 2547-2558.	8.9	36
10	Cortical Microtubule Arrays Are Initiated from a Nonrandom Prepattern Driven by Atypical Microtubule Initiation Â Ã. Plant Physiology, 2013, 161, 1189-1201.	4.8	33
11	Quantitative modelling of legume root nodule primordium induction by a diffusive signal of epidermal origin that inhibits auxin efflux. BMC Plant Biology, 2016, 16, 254.	3.6	29
12	Long-term single-cell imaging and simulations of microtubules reveal principles behind wall patterning during proto-xylem development. Nature Communications, 2021, 12, 669.	12.8	26
13	From plasmodesma geometry to effective symplasmic permeability through biophysical modelling. ELife, 2019, 8, .	6.0	25
14	Efficient event-driven simulations shed new light on microtubule organization in the plant cortical array. Frontiers in Physics, 2014, 2, .	2.1	21
15	Small GTPase patterning: How to stabilise cluster coexistence. PLoS ONE, 2019, 14, e0213188.	2.5	16
16	Robust banded protoxylem pattern formation through microtubule-based directional ROP diffusion restriction. Journal of Theoretical Biology, 2020, 502, 110351.	1.7	6
17	An active second dihydrofolate reductase enzyme is not a feature of rat and mouse, but they do have activity in their mitochondria. FEBS Letters, 2015, 589, 1855-1862.	2.8	5
18	Modelling the Plant Microtubule Cytoskeleton. , 2018, , 53-67.		0

#	Article	IF	Citations
19	More Insights from Ultrastructural and Functional Plasmodesmata Data Using PDinsight. Methods in Molecular Biology, 2022, 2457, 443-456.	0.9	0