Nathan L Mellor

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2632932/publications.pdf

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15	861	840776 11	996975 15
papers	citations	h-index	g-index

15	15	15	1533
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mobile PEAR transcription factors integrate positional cues to prime cambial growth. Nature, 2019, 565, 490-494.	27.8	195
2	O<scp>pen</scp>S<scp>im</scp>R<scp>oot</scp>: widening the scope and application of root architectural models. New Phytologist, 2017, 215, 1274-1286.	7.3	158
3	Dynamic regulation of auxin oxidase and conjugating enzymes AtDAO1 and GH3 modulates auxin homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11022-11027.	7.1	119
4	Sequential induction of auxin efflux and influx carriers regulates lateral root emergence. Molecular Systems Biology, 2013, 9, 699.	7.2	104
5	Integration of hormonal signaling networks and mobile microRNAs is required for vascular patterning in Arabidopsis roots. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 857-862.	7.1	98
6	Auxin fluxes through plasmodesmata modify root-tip auxin distribution. Development (Cambridge), 2020, 147, .	2.5	74
7	Theoretical approaches to understanding root vascular patterning: a consensus between recent models. Journal of Experimental Botany, 2017, 68, 5-16.	4.8	35
8	Systems approaches reveal that ABCB and PIN proteins mediate co-dependent auxin efflux. Plant Cell, 2022, 34, 2309-2327.	6.6	19
9	Reduction of Offâ€Flavor Generation in Soybean Homogenates: A Mathematical Model. Journal of Food Science, 2010, 75, R131-8.	3.1	13
10	Xâ€ray CT reveals 4D root system development and lateral root responses to nitrate in soil. The Plant Phenome Journal, 2022, 5, .	2.0	13
11	Modelling of Arabidopsis LAX3 expression suggests auxin homeostasis. Journal of Theoretical Biology, 2015, 366, 57-70.	1.7	12
12	GH3-Mediated Auxin Conjugation Can Result in Either Transient or Oscillatory Transcriptional Auxin Responses. Bulletin of Mathematical Biology, 2016, 78, 210-234.	1.9	11
13	A core mechanism for specifying root vascular pattern can replicate the anatomical variation seen in diverse plant species. Development (Cambridge), 2019, 146, .	2.5	8
14	The innermost secrets of root development. Science, 2014, 345, 622-623.	12.6	1
15	Gene Regulatory Network Investigation Using Ordinary. Methods in Molecular Biology, 2022, 2395, 33-58.	0.9	1