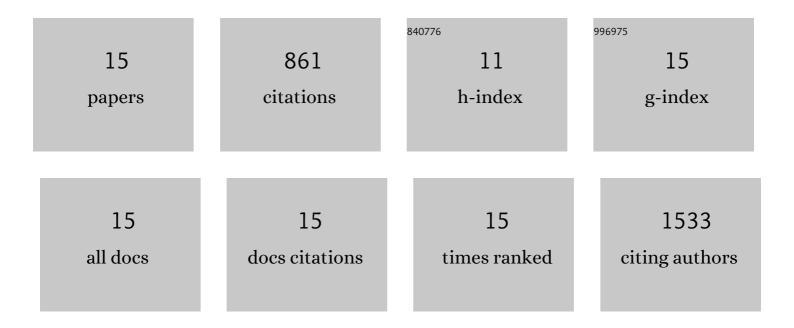
Nathan L Mellor

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2632932/publications.pdf Version: 2024-02-01



#	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 <i>AtDAO1</i> and <i>GH3</i> 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 <i>Arabidopsis</i> 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