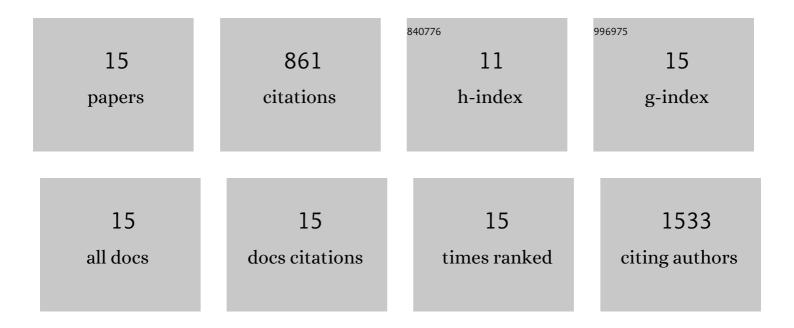
## Nathan L Mellor

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<br>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<br>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<br>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<br>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<br>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         |