Trevor M Nolan

List of Publications by Year
in descending order

23 papers	2,974 citations	394421 19 h-index	677142 22 g-index
29 all docs	29 docs citations	29 times ranked	3910 citing authors

#	Article	IF	Citations
1	A single-cell Arabidopsis root atlas reveals developmental trajectories in wild-type and cell identity mutants. Developmental Cell, 2022, 57, 543-560.e9.	7.0	106
2	Integrated omics reveal novel functions and underlying mechanisms of the receptor kinase FERONIA inArabidopsis thaliana. Plant Cell, 2022, 34, 2594-2614.	6.6	18
3	Single-cell analysis of cell identity in the Arabidopsis root apical meristem: insights and opportunities. Journal of Experimental Botany, 2021, 72, 6679-6686.	4.8	28
4	The F-box E3 ubiquitin ligase BAF1 mediates the degradation of the brassinosteroid-activated transcription factor BES1 through selective autophagy in Arabidopsis. Plant Cell, 2021, 33, 3532-3554.	6.6	27
5	Robotic Assay for Drought (RoAD): an automated phenotyping system for brassinosteroid and drought responses. Plant Journal, 2021, 107, 1837-1853.	5.7	4
6	Integrated omics networks reveal the temporal signaling events of brassinosteroid response in Arabidopsis. Nature Communications, 2021, 12, 5858.	12.8	54
7	Identification of transcription factors that regulate ATG8 expression and autophagy in Arabidopsis. Autophagy, 2020, 16, 123-139.	9.1	81
8	Brassinosteroids: Multidimensional Regulators of Plant Growth, Development, and Stress Responses. Plant Cell, 2020, 32, 295-318.	6.6	548
9	<scp>GSK</scp>3â€like kinase <scp>BIN</scp>2 phosphorylates <scp>RD</scp>26 to potentiate drought signaling in Arabidopsis. Plant Journal, 2019, 100, 923-937.	5.7	87
10	The AP2/ERF Transcription Factor TINY Modulates Brassinosteroid-Regulated Plant Growth and Drought Responses in Arabidopsis. Plant Cell, 2019, 31, 1788-1806.	6.6	153
11	AP2/ERF Transcription Factor Regulatory Networks in Hormone and Abiotic Stress Responses in Arabidopsis. Frontiers in Plant Science, 2019, 10, 228.	3.6	438
12	FERONIA Receptor Kinase Contributes to Plant Immunity by Suppressing Jasmonic Acid Signaling in Arabidopsis thaliana. Current Biology, 2018, 28, 3316-3324.e6.	3.9	154
13	Identification of Brassinosteroid Target Genes by Chromatin Immunoprecipitation Followed by High-Throughput Sequencing (ChIP-seq) and RNA-Sequencing. Methods in Molecular Biology, 2017, 1564, 63-79.	0.9	10
14	RD26 mediates crosstalk between drought and brassinosteroid signalling pathways. Nature Communications, 2017, 8, 14573.	12.8	202
15	Selective Autophagy of BES1 Mediated by DSK2 Balances Plant Growth and Survival. Developmental Cell, 2017, 41, 33-46.e7.	7.0	262
16	SINAT E3 Ligases Control the Light-Mediated Stability of the Brassinosteroid-Activated Transcription Factor BES1 in Arabidopsis. Developmental Cell, 2017, 41, 47-58.e4.	7.0	118
17	Arabidopsis WRKY46, WRKY54 and WRKY70 Transcription Factors Are Involved in Brassinosteroid-Regulated Plant Growth and Drought Response. Plant Cell, 2017, 29, tpc.00364.2017.	6.6	286
18	Cross-talk of Brassinosteroid signaling in controlling growth and stress responses. Biochemical Journal, 2017, 474, 2641-2661.	3.7	183

#	Article	IF	Citations
19	Automated microfluidic plant chips-based plant phenotyping system. , 2017, , .		4
20	Impaired Chloroplast Biogenesis in Immutans, an Arabidopsis Variegation Mutant, Modifies Developmental Programming, Cell Wall Composition and Resistance to Pseudomonas syringae. PLoS ONE, 2016, 11, e0150983.	2.5	22
21	Histone Lysine Methyltransferase SDG8 Is Involved in Brassinosteroid-Regulated Gene Expression in Arabidopsis thaliana. Molecular Plant, 2014, 7, 1303-1315.	8.3	64
22	Understanding chloroplast biogenesis using second-site suppressors of immutans and var2. Photosynthesis Research, 2013, 116, 437-453.	2.9	42
23	The Mechanism of Variegation in immutans Provides Insight into Chloroplast Biogenesis. Frontiers in Plant Science, 2012, 3, 260.	3.6	52