Michael J Haydon

List of Publications by Year
in descending order

23 papers	3,557 citations	471509 17 h-index	677142 22 g-index
26 all docs	26 docs citations	26 times ranked	3724 citing authors

#	Article	IF	Citations
1	Evolution of metal hyperaccumulation required cis-regulatory changes and triplication of HMA4. Nature, 2008, 453, 391-395.	27.8	739
2	P-Type ATPase Heavy Metal Transporters with Roles in Essential Zinc Homeostasis in Arabidopsis. Plant Cell, 2004, 16, 1327-1339.	6.6	646
3	Transporters of ligands for essential metal ions in plants. New Phytologist, 2007, 174, 499-506.	7.3	385
4	Photosynthetic entrainment of the Arabidopsis thaliana circadian clock. Nature, 2013, 502, 689-692.	27.8	350
5	Vacuolar Nicotianamine Has Critical and Distinct Roles under Iron Deficiency and for Zinc Sequestration in <i>Arabidopsis</i>. Plant Cell, 2012, 24, 724-737.	6.6	277
6	A Novel Major Facilitator Superfamily Protein at the Tonoplast Influences Zinc Tolerance and Accumulation in Arabidopsis. Plant Physiology, 2007, 143, 1705-1719.	4.8	221
7	The circadian oscillator gene <i>GIGANTEA</i> mediates a long-term response of the <i>Arabidopsis thaliana</i> circadian clock to sucrose. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5104-5109.	7.1	205
8	Circadian Entrainment in Arabidopsis by the Sugar-Responsive Transcription Factor bZIP63. Current Biology, 2018, 28, 2597-2606.e6.	3.9	140
9	Interactions between plant circadian clocks and solute transport. Journal of Experimental Botany, 2011, 62, 2333-2348.	4.8	89
10	Systemic Upregulation of MTP2- and HMA2-Mediated Zn Partitioning to the Shoot Supplements Local Zn Deficiency Responses. Plant Cell, 2018, 30, 2463-2479.	6.6	78
11	Sucrose and Ethylene Signaling Interact to Modulate the Circadian Clock. Plant Physiology, 2017, 175, 947-958.	4.8	77
12	Structural and functional relationships between type 1 B heavy metalâ€transporting Pâ€type ATPases in Arabidopsis. New Phytologist, 2003, 159, 315-321.	7.3	68
13	Nutrient homeostasis within the plant circadian network. Frontiers in Plant Science, 2015, 6, 299.	3.6	59
14	Metabolic regulation of circadian clocks. Seminars in Cell and Developmental Biology, 2013, 24, 414-421.	5.0	55
15	Etiolated Seedling Development Requires Repression of Photomorphogenesis by a Small Cell-Wall-Derived Dark Signal. Current Biology, 2017, 27, 3403-3418.e7.	3.9	49
16	Superoxide is promoted by sucrose and affects amplitude of circadian rhythms in the evening. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	34
17	BIG Regulates Dynamic Adjustment of Circadian Period in <i>Arabidopsis thaliana</i>. Plant Physiology, 2018, 178, 358-371.	4.8	27
18	Rootâ€toâ€shoot iron partitioning in Arabidopsis requires IRONâ€REGULATED TRANSPORTER1 (IRT1) protein but not its iron(II) transport function. Plant Journal, 2021, , .	5.7	18

#	Article	IF	Citations
19	Combining GAL4 GFP enhancer trap with split luciferase to measure spatiotemporal promoter activity in Arabidopsis. Plant Journal, 2020, 102, 187-198.	5.7	10
20	Assessing the Impact of Photosynthetic Sugars on the Arabidopsis Circadian Clock. Methods in Molecular Biology, 2016, 1398, 133-140.	0.9	9
21	Getting a sense for zinc in plants. New Phytologist, 2014, 202, 10-12.	7.3	7
22	A reactive oxygen species Ca²⁺ signalling pathway identified from a chemical screen for modifiers of sugarâ€activated circadian gene expression. New Phytologist, 2022, 236, 1027-1041.	7.3	6
23	Agrobacterium-Mediated Seedling Transformation to Measure Circadian Rhythms in Arabidopsis. Methods in Molecular Biology, 2022, 2398, 57-64.	0.9	2