Helene Javot

List of Publications by Year in descending order

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24 papers	4,559 citations	430874 18 h-index	642732 23 g-index
26 all docs	26 docs citations	26 times ranked	5149 citing authors

#	Article	IF	Citations
1	Metal crossroads in plants: modulation of nutrient acquisition and root development by essential trace metals. Journal of Experimental Botany, 2022, 73, 1751-1765.	4.8	15
2	Live single-cell transcriptional dynamics via RNA labelling during the phosphate response in plants. Nature Plants, 2021, 7, 1050-1064.	9.3	27
3	Affinity Purification of GO-Matryoshka Biosensors from E. coli for Quantitative Ratiometric Fluorescence Analyses. Bio-protocol, 2020, 10, e3773.	0.4	0
4	The Phosphate Fast-Responsive Genes PECP1 and PPsPase1 Affect Phosphocholine and Phosphoethanolamine Content. Plant Physiology, 2018, 176, 2943-2962.	4.8	22
5	Low phosphate activates STOP1-ALMT1 to rapidly inhibit root cell elongation. Nature Communications, 2017, 8, 15300.	12.8	268
6	SeedUSoon: A New Software Program to Improve Seed Stock Management and Plant Line Exchanges between Research Laboratories. Frontiers in Plant Science, 2017, 8, 13.	3.6	11
7	A novel role for the root cap in phosphate uptake and homeostasis. ELife, 2016, 5, e14577.	6.0	79
8	In situ visualization of carbonylation and its co-localization with proteins, lipids, DNA and RNA in Caenorhabditis elegans. Free Radical Biology and Medicine, 2016, 101, 465-474.	2.9	13
9	Saturating Light Induces Sustained Accumulation of Oil in Plastidal Lipid Droplets in Chlamydomonas reinhardtii. Plant Physiology, 2016, 171, 2406-2417.	4.8	54
10	Performance and Limitations of Phosphate Quantification: Guidelines for Plant Biologists. Plant and Cell Physiology, 2016, 57, 690-706.	3.1	48
11	Identification of Phosphatin, a Drug Alleviating Phosphate Starvation Responses in Arabidopsis Â Â Â. Plant Physiology, 2014, 166, 1479-1491.	4.8	20
12	Synthesis and Characterization of Cellâ€Permeable Caged Phosphates that Can Be Photolyzed by Visible Light or 800 nm Twoâ€Photon Photolysis. ChemBioChem, 2013, 14, 2277-2283.	2.6	14
13	Evidence for a SAL1-PAP Chloroplast Retrograde Pathway That Functions in Drought and High Light Signaling in Arabidopsis Â Â Â. Plant Cell, 2011, 23, 3992-4012.	6.6	473
14	Phosphate import in plants: focus on the PHT1 transporters. Frontiers in Plant Science, 2011, 2, 83.	3.6	427
15	Medicago truncatula mtpt4 mutants reveal a role for nitrogen in the regulation of arbuscule degeneration in arbuscular mycorrhizal symbiosis. Plant Journal, 2011, 68, 954-965.	5.7	103
16	A Novel fry1 Allele Reveals the Existence of a Mutant Phenotype Unrelated to 5â€²->3â€² Exoribonuclease (XRN) Activities in Arabidopsis thaliana Roots. PLoS ONE, 2011, 6, e16724.	2.5	64
17	Medicago truncatula and Glomus intraradices gene expression in cortical cells harboring arbuscules in the arbuscular mycorrhizal symbiosis. BMC Plant Biology, 2009, 9, 10.	3.6	277
18	A Medicago truncatula phosphate transporter indispensable for the arbuscular mycorrhizal symbiosis. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1720-1725.	7.1	634

#	Article	IF	Citations
19	Phosphate in the arbuscular mycorrhizal symbiosis: transport properties and regulatory roles. Plant, Cell and Environment, 2007, 30, 310-322.	5.7	339
20	Cytosolic pH regulates root water transport during anoxic stress through gating of aquaporins. Nature, 2003, 425, 393-397.	27.8	601
21	Role of a Single Aquaporin Isoform in Root Water Uptake. Plant Cell, 2003, 15, 509-522.	6.6	331
22	Molecular physiology of aquaporins in plants. International Review of Cytology, 2002, 215, 105-148.	6.2	153
23	The Role of Aquaporins in Root Water Uptake. Annals of Botany, 2002, 90, 301-313.	2.9	531
24	The high diversity of aquaporins reveals novel facets of plant membrane functions. Current Opinion in Plant Biology, 2000, 3, 476-481.	7.1	55