Sophie Filleur

List of Publications by Year
in descending order

21 papers	3,590 citations	361413 20 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	3323 citing authors

#	Article	IF	Citations
1	The Arabidopsis NRT1.1 transporter participates in the signaling pathway triggering root colonization of nitrate-rich patches. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19206-19211.	7.1	481
2	Molecular and functional regulation of two NO3- uptake systems by N- and C-status of Arabidopsis plants. Plant Journal, 1999, 18, 509-519.	5.7	415
3	AnArabidopsisT-DNA mutant affected inNrt2genes is impaired in nitrate uptake. FEBS Letters, 2001, 489, 220-224.	2.8	296
4	Nitrogen Regulation of Root Branching. Annals of Botany, 2006, 97, 875-881.	2.9	296
5	From the soil to the seeds: the long journey of nitrate in plants. Journal of Experimental Botany, 2011, 62, 1349-1359.	4.8	270
6	Major Alterations of the Regulation of Root NO3â˜ Uptake Are Associated with the Mutation of Nrt2.1 and Nrt2.2 Genes in Arabidopsis. Plant Physiology, 2001, 127, 262-271.	4.8	244
7	Anion Channels/Transporters in Plants: From Molecular Bases to Regulatory Networks. Annual Review of Plant Biology, 2011, 62, 25-51.	18.7	196
8	Nitrate transport: a key step in nitrate assimilation. Current Opinion in Plant Biology, 1998, 1, 235-239.	7.1	170
9	The Arabidopsis vacuolar anion transporter, AtCLCc, is involved in the regulation of stomatal movements and contributes to salt tolerance. Plant Journal, 2010, 64, 563-576.	5.7	169
10	Nitrate transport in plants: which gene and which control?. Journal of Experimental Botany, 2002, 53, 825-833.	4.8	156
11	Nutritional regulation of ANR1 and other root-expressed MADS-box genes in Arabidopsis thaliana. Planta, 2005, 222, 730-742.	3.2	148
12	Expression analysis of a high-affinity nitrate transporter isolated from Arabidopsis thaliana by differential display. Planta, 1999, 207, 461-469.	3.2	137
13	Overexpressing the ANR1 MADS-Box Gene in Transgenic Plants Provides New Insights into its Role in the Nitrate Regulation of Root Development. Plant and Cell Physiology, 2012, 53, 1003-1016.	3.1	103
14	Characterization of the Chloride Channel-Like, AtCLCg, Involved in Chloride Tolerance inArabidopsis thaliana. Plant and Cell Physiology, 2016, 57, 764-775.	3.1	84
15	Signaling mechanisms integrating root and shoot responses to changes in the nitrogen supply. Photosynthesis Research, 2005, 83, 239-250.	2.9	83
16	The prolineâ€ƒ160 in the selectivity filter of the Arabidopsis NO3â˜/H+ exchanger AtCLCa is essential for nitrate accumulation in planta. Plant Journal, 2010, 63, 861-869.	5.7	76
17	Voltage-dependent-anion-channels (VDACs) in Arabidopsis have a dual localization in the cell but show a distinct role in mitochondria. Plant Molecular Biology, 2012, 78, 431-446.	3.9	76
18	ATP Binding to the C Terminus of the Arabidopsis thaliana Nitrate/Proton Antiporter, AtCLCa, Regulates Nitrate Transport into Plant Vacuoles. Journal of Biological Chemistry, 2009, 284, 26526-26532.	3.4	74

#	Article	IF	Citations
19	Phosphorylation of the vacuolar anion exchanger AtCLCa is required for the stomatal response to abscisic acid. Science Signaling, 2014, 7, ra65.	3.6	74
20	Differential targeting of VDAC3 mRNA isoforms influences mitochondria morphology. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8991-8996.	7.1	39
21	The vegetative nitrogen response of sorghum lines containing different alleles for nitrate reductase and glutamate synthase. Molecular Breeding, 2017, 37, 1.	2.1	3