

Sophie Filleur

List of Publications by Year in descending order

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Version: 2024-02-01

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 vegetative nitrogen response of sorghum lines containing different alleles for nitrate reductase and glutamate synthase. <i>Molecular Breeding</i> , 2017, 37, 1.	2.1	3
2	Characterization of the Chloride Channel-Like, AtCLCg, Involved in Chloride Tolerance in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2016, 57, 764-775.	3.1	84
3	Phosphorylation of the vacuolar anion exchanger AtCLCa is required for the stomatal response to abscisic acid. <i>Science Signaling</i> , 2014, 7, ra65.	3.6	74
4	Differential targeting of VDAC3 mRNA isoforms influences mitochondria morphology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8991-8996.	7.1	39
5	Overexpressing the ANR1 MADS-Box Gene in Transgenic Plants Provides New Insights into its Role in the Nitrate Regulation of Root Development. <i>Plant and Cell Physiology</i> , 2012, 53, 1003-1016.	3.1	103
6	Voltage-dependent-anion-channels (VDACs) in <i>Arabidopsis</i> have a dual localization in the cell but show a distinct role in mitochondria. <i>Plant Molecular Biology</i> , 2012, 78, 431-446.	3.9	76
7	From the soil to the seeds: the long journey of nitrate in plants. <i>Journal of Experimental Botany</i> , 2011, 62, 1349-1359.	4.8	270
8	Anion Channels/Transporters in Plants: From Molecular Bases to Regulatory Networks. <i>Annual Review of Plant Biology</i> , 2011, 62, 25-51.	18.7	196
9	The proline-160 in the selectivity filter of the <i>Arabidopsis</i> NO ₃ ⁻ /H ⁺ exchanger AtCLCa is essential for nitrate accumulation in planta. <i>Plant Journal</i> , 2010, 63, 861-869.	5.7	76
10	The <i>Arabidopsis</i> vacuolar anion transporter, AtCLCc, is involved in the regulation of stomatal movements and contributes to salt tolerance. <i>Plant Journal</i> , 2010, 64, 563-576.	5.7	169
11	ATP Binding to the C Terminus of the <i>Arabidopsis thaliana</i> Nitrate/Proton Antiporter, AtCLCa, Regulates Nitrate Transport into Plant Vacuoles. <i>Journal of Biological Chemistry</i> , 2009, 284, 26526-26532.	3.4	74
12	The <i>Arabidopsis</i> NRT1.1 transporter participates in the signaling pathway triggering root colonization of nitrate-rich patches. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 19206-19211.	7.1	481
13	Nitrogen Regulation of Root Branching. <i>Annals of Botany</i> , 2006, 97, 875-881.	2.9	296
14	Nutritional regulation of ANR1 and other root-expressed MADS-box genes in <i>Arabidopsis thaliana</i> . <i>Planta</i> , 2005, 222, 730-742.	3.2	148
15	Signaling mechanisms integrating root and shoot responses to changes in the nitrogen supply. <i>Photosynthesis Research</i> , 2005, 83, 239-250.	2.9	83
16	Nitrate transport in plants: which gene and which control?. <i>Journal of Experimental Botany</i> , 2002, 53, 825-833.	4.8	156
17	An <i>Arabidopsis</i> T-DNA mutant affected in Nrt2 genes is impaired in nitrate uptake. <i>FEBS Letters</i> , 2001, 489, 220-224.	2.8	296
18	Major Alterations of the Regulation of Root NO ₃ ⁻ Uptake Are Associated with the Mutation of Nrt2.1 and Nrt2.2 Genes in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2001, 127, 262-271.	4.8	244

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19	Molecular and functional regulation of two NO ₃ - uptake systems by N- and C-status of Arabidopsis plants. <i>Plant Journal</i> , 1999, 18, 509-519.	5.7	415
20	Expression analysis of a high-affinity nitrate transporter isolated from <i>Arabidopsis thaliana</i> by differential display. <i>Planta</i> , 1999, 207, 461-469.	3.2	137
21	Nitrate transport: a key step in nitrate assimilation. <i>Current Opinion in Plant Biology</i> , 1998, 1, 235-239.	7.1	170