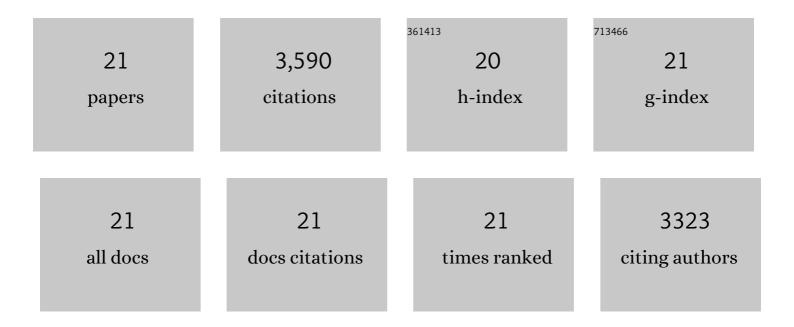
Sophie Filleur

List of Publications by Year in descending order

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| # | 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 in <i>Arabidopsis thaliana</i> . 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 proline 160 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 |

SOPHIE FILLEUR

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 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 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 |