Sandrine Ruffel

List of Publications by Year
in descending order

32 papers	3,224 citations	236925 25 h-index	434195 31 g-index
35 all docs	35 docs citations	35 times ranked	3217 citing authors

#	Article	IF	Citations
1	Nitrogen Systemic Signaling: From Symbiotic Nodulation to Root Acquisition. Trends in Plant Science, 2021, 26, 392-406.	8.8	39
2	Genome-wide analysis in response to nitrogen and carbon identifies regulators for root AtNRT2 transporters. Plant Physiology, 2021, 186, 696-714.	4.8	16
3	GARP transcription factors repress Arabidopsis nitrogen starvation response via ROS-dependent and -independent pathways. Journal of Experimental Botany, 2021, 72, 3881-3901.	4.8	27
4	Nitrate signaling promotes plant growth by upregulating gibberellin biosynthesis and destabilization of DELLA proteins. Current Biology, 2021, 31, 4971-4982.e4.	3.9	25
5	Nitrate in 2020: Thirty Years from Transport to Signaling Networks. Plant Cell, 2020, 32, 2094-2119.	6.6	203
6	SDG8-Mediated Histone Methylation and RNA Processing Function in the Response to Nitrate Signaling. Plant Physiology, 2020, 182, 215-227.	4.8	30
7	Identification of Molecular Integrators Shows that Nitrogen Actively Controls the Phosphate Starvation Response in Plants. Plant Cell, 2019, 31, 1171-1184.	6.6	135
8	The 4th Dimension of Transcriptional Networks: TIME. FASEB Journal, 2019, 33, 343.1.	0.5	0
9	Responses to Systemic Nitrogen Signaling in Arabidopsis Roots Involve <i>trans</i>-Zeatin in Shoots. Plant Cell, 2018, 30, 1243-1257.	6.6	134
10	Temporal transcriptional logic of dynamic regulatory networks underlying nitrogen signaling and use in plants. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6494-6499.	7.1	150
11	Nutrient-Related Long-Distance Signals: Common Players and Possible Cross-Talk. Plant and Cell Physiology, 2018, 59, 1723-1732.	3.1	38
12	Systemic nutrient signalling: On the road for nitrate. Nature Plants, 2017, 3, 17040.	9.3	20
13	Nitrate supply to grapevine rootstocks â€“ new genome-wide findings. Journal of Experimental Botany, 2017, 68, 3999-4001.	4.8	2
14	The world according to GARP transcription factors. Current Opinion in Plant Biology, 2017, 39, 159-167.	7.1	72
15	Longâ€distance nitrate signaling displays cytokinin dependent and independent branches. Journal of Integrative Plant Biology, 2016, 58, 226-229.	8.5	57
16	Combinatorial interaction network of transcriptomic and phenotypic responses to nitrogen and hormones in the <i>Arabidopsis thaliana</i> root. Science Signaling, 2016, 9, rs13.	3.6	81
17	AtNIGT1/HRS1 integrates nitrate and phosphate signals at the Arabidopsis root tip. Nature Communications, 2015, 6, 6274.	12.8	195
18	GeneCloud Reveals Semantic Enrichment in Lists of Gene Descriptions. Molecular Plant, 2015, 8, 971-973.	8.3	17

#	Article	IF	Citations
19	Systems approach identifies <scp>TGA</scp>1 and <scp>TGA</scp>4 transcription factors as important regulatory components of the nitrate response of <i><scp>A</scp>rabidopsis thaliana</i> roots. Plant Journal, 2014, 80, 1-13.	5.7	247
20	Signal interactions in the regulation of root nitrate uptake. Journal of Experimental Botany, 2014, 65, 5509-5517.	4.8	81
21	Finding a nitrogen niche: a systems integration of local and systemic nitrogen signalling in plants. Journal of Experimental Botany, 2014, 65, 5601-5610.	4.8	36
22	TARGET: A Transient Transformation System for Genome-Wide Transcription Factor Target Discovery. Molecular Plant, 2013, 6, 978-980.	8.3	73
23	RootScape: A Landmark-Based System for Rapid Screening of Root Architecture in Arabidopsis Â Â. Plant Physiology, 2013, 161, 1086-1096.	4.8	59
24	A framework integrating plant growth with hormones and nutrients. Trends in Plant Science, 2011, 16, 178-182.	8.8	255
25	Nitrogen economics of root foraging: Transitive closure of the nitrateâ€“cytokinin relay and distinct systemic signaling for N supply vs. demand. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18524-18529.	7.1	333
26	HIGH NITROGEN INSENSITIVE 9 (HNI9)-mediated systemic repression of root NO ₃ ^{âˆ’} uptake is associated with changes in histone methylation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13329-13334.	7.1	108
27	Adaptation of <i>Medicago truncatula</i> to nitrogen limitation is modulated via local and systemic nodule developmental responses. New Phytologist, 2010, 185, 817-828.	7.3	140
28	A Systems View of Responses to Nutritional Cues in Arabidopsis: Toward a Paradigm Shift for Predictive Network Modeling. Plant Physiology, 2010, 152, 445-452.	4.8	34
29	Systemic Signaling of the Plant Nitrogen Status Triggers Specific Transcriptome Responses Depending on the Nitrogen Source in <i>Medicago truncatula</i> Â Â. Plant Physiology, 2008, 146, 2020-2035.	4.8	136
30	Simultaneous mutations in translation initiation factors eIF4E and eIF(iso)4E are required to prevent pepper veinal mottle virus infection of pepper. Journal of General Virology, 2006, 87, 2089-2098.	2.9	140
31	Structural analysis of the eukaryotic initiation factor 4E gene controlling potyvirus resistance in pepper: exploitation of a BAC library. Gene, 2004, 338, 209-216.	2.2	30
32	A natural recessive resistance gene against potato virus Y in pepper corresponds to the eukaryotic initiation factor 4E (eIF4E). Plant Journal, 2002, 32, 1067-1075.	5.7	310