Etienne Delannoy

List of Publications by Year
in descending order

48 papers	3,829 citations	218677 26 h-index	214800 47 g-index
51 all docs	51 docs citations	51 times ranked	4340 citing authors

#	Article	IF	Citations
1	Biochemical Evidence for Translational Repression by <i>Arabidopsis</i> MicroRNAs. Plant Cell, 2009, 21, 1762-1768.	6.6	289
2	Remodeled Respiration in <i>ndufs4</i> with Low Phosphorylation Efficiency Suppresses Arabidopsis Germination and Growth and Alters Control of Metabolism at Night Â Â. Plant Physiology, 2009, 151, 603-619.	4.8	281
3	Low phosphate activates STOP1-ALMT1 to rapidly inhibit root cell elongation. Nature Communications, 2017, 8, 15300.	12.8	268
4	Rampant Gene Loss in the Underground Orchid Rhizanthella gardneri Highlights Evolutionary Constraints on Plastid Genomes. Molecular Biology and Evolution, 2011, 28, 2077-2086.	8.9	248
5	CLB19, a pentatricopeptide repeat protein required for editing of <i>rpoA</i> and <i>clpP</i> chloroplast transcripts. Plant Journal, 2008, 56, 590-602.	5.7	236
6	Pentatricopeptide Repeat Proteins with the DYW Motif Have Distinct Molecular Functions in RNA Editing and RNA Cleavage in <i>Arabidopsis</i> Chloroplasts. Plant Cell, 2009, 21, 146-156.	6.6	226
7	Pentatricopeptide repeat (PPR) proteins as sequence-specificity factors in post-transcriptional processes in organelles. Biochemical Society Transactions, 2007, 35, 1643-1647.	3.4	215
8	The Arabidopsis gene <i>YS1</i> encoding a DYW protein is required for editing of <i>rpoB</i> transcripts and the rapid development of chloroplasts during early growth. Plant Journal, 2009, 58, 82-96.	5.7	178
9	The pentatricopeptide repeat gene <i>OTP51</i> with two LAGLIDADG motifs is required for the <i>cis</i>â€splicing of plastid <i>ycf3</i> intronâ€ƒ2 in <i>Arabidopsis thaliana</i>. Plant Journal, 2008, 56, 157-168.	5.7	148
10	Lipid peroxidation in cotton:Xanthomonasinteractions and the role of lipoxygenases during the hypersensitive reaction. Plant Journal, 2002, 32, 1-12.	5.7	134
11	Phage-Type RNA Polymerase RPOTmp Performs Gene-Specific Transcription in Mitochondria of Arabidopsis thaliana Â Â. Plant Cell, 2009, 21, 2762-2779.	6.6	134
12	Nucleotide and RNA Metabolism Prime Translational Initiation in the Earliest Events of Mitochondrial Biogenesis during Arabidopsis Germination Â Â. Plant Physiology, 2012, 158, 1610-1627.	4.8	124
13	Two interacting PPR proteins are major Arabidopsis editing factors in plastid and mitochondria. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8877-8882.	7.1	111
14	Chloroplast ribonucleoprotein CP31A is required for editing and stability of specific chloroplast mRNAs. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6002-6007.	7.1	109
15	OTP70 is a pentatricopeptide repeat protein of the Eâ€ƒsubgroup involved in splicing of the plastid transcript <i>rpoC1</i>. Plant Journal, 2011, 65, 532-542.	5.7	106
16	Complex I Dysfunction Redirects Cellular and Mitochondrial Metabolism in Arabidopsis Â. Plant Physiology, 2008, 148, 1324-1341.	4.8	98
17	Homoeologous exchanges cause extensive dosageâ€dependent gene expression changes in an allopolyploid crop. New Phytologist, 2018, 217, 367-377.	7.3	87
18	A novel role for the root cap in phosphate uptake and homeostasis. ELife, 2016, 5, e14577.	6.0	79

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19	The Cytoskeleton and the Peroxisomal-Targeted SNOWY COTYLEDON3 Protein Are Required for Chloroplast Development in <i>Arabidopsis</i> Â. Plant Cell, 2010, 22, 3423-3438.	6.6	77
20	<i>Arabidopsis</i> tRNA Adenosine Deaminase Arginine Edits the Wobble Nucleotide of Chloroplast tRNAArg(ACG) and Is Essential for Efficient Chloroplast Translation. Plant Cell, 2009, 21, 2058-2071.	6.6	69
21	Activity of Class III Peroxidases in the Defense of Cotton to Bacterial Blight. Molecular Plant-Microbe Interactions, 2003, 16, 1030-1038.	2.6	67
22	Resistance of Cotton Towards Xanthomonas campestris pv. malvacearum. Annual Review of Phytopathology, 2005, 43, 63-82.	7.8	60
23	Sublethal Cadmium Intoxication In Arabidopsis thaliana Impacts Translation at Multiple Levels. Plant and Cell Physiology, 2011, 52, 436-447.	3.1	51
24	Arabidopsis CSP41 proteins form multimeric complexes that bind and stabilize distinct plastid transcripts. Journal of Experimental Botany, 2012, 63, 1251-1270.	4.8	49
25	Synthetic data sets for the identification of key ingredients for RNA-seq differential analysis. Briefings in Bioinformatics, 2018, 19, bbw092.	6.5	40
26	Characterization of<i>CYCLOIDEA</i>-like genes in Proteaceae, a basal eudicot family with multiple shifts in floral symmetry. Annals of Botany, 2017, 119, 367-378.	2.9	37
27	Function of the Plant DNA Polymerase Epsilon in Replicative Stress Sensing, a Genetic Analysis. Plant Physiology, 2017, 173, 1735-1749.	4.8	26
28	Thirteen New Plastid Genomes from Mixotrophic and Autotrophic Species Provide Insights into Heterotrophy Evolution in Neottieae Orchids. Genome Biology and Evolution, 2019, 11, 2457-2467.	2.5	26
29	<i>In situ</i> transcriptomic and metabolomic study of the loss of photosynthesis in the leaves of mixotrophic plants exploiting fungi. Plant Journal, 2019, 98, 826-841.	5.7	25
30	Landscape of the Noncoding Transcriptome Response of Two Arabidopsis Ecotypes to Phosphate Starvation. Plant Physiology, 2020, 183, 1058-1072.	4.8	23
31	The Analysis of the Editing Defects in the dyw2 Mutant Provides New Clues for the Prediction of RNA Targets of Arabidopsis E+-Class PPR Proteins. Plants, 2020, 9, 280.	3.5	21
32	Identification of Phosphatin, a Drug Alleviating Phosphate Starvation Responses in Arabidopsis Â Â Â. Plant Physiology, 2014, 166, 1479-1491.	4.8	20
33	Combining laser-assisted microdissection (LAM) and RNA-seq allows to perform a comprehensive transcriptomic analysis of epidermal cells of Arabidopsis embryo. Plant Methods, 2018, 14, 10.	4.3	19
34	Role of the Polymerase Ïµ sub-unit DPB2 in DNA replication, cell cycle regulation and DNA damage response in Arabidopsis. Nucleic Acids Research, 2016, 44, gkw449.	14.5	18
35	Unraveling the Developmental and Genetic Mechanisms Underpinning Floral Architecture in Proteaceae. Frontiers in Plant Science, 2019, 10, 18.	3.6	17
36	A chemical genetic strategy identify the <scp>PHOSTIN</scp>, a synthetic molecule that triggers phosphate starvation responses in <i>Arabidopsis thaliana</i>. New Phytologist, 2016, 209, 161-176.	7.3	15

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37	Molecular cloning and characterization of Gossypium hirsutum superoxide dismutase genes during cottonâ€"Xanthomonas campestris pv. malvacearum interaction. Physiological and Molecular Plant Pathology, 2006, 68, 119-127.	2.5	14
38	GEM2Net: from gene expression modeling to -omics networks, a new CATdb module to investigate Arabidopsis thaliana genes involved in stress response. Nucleic Acids Research, 2015, 43, D1010-D1017.	14.5	14
39	Les peroxydases vÃ©gÃ©tales de classe III. Acta Botanica Gallica, 2004, 151, 353-380.	0.9	12
40	Bioinformatic Analysis of Chloroplast Gene Expression and RNA Posttranscriptional Maturations Using RNA Sequencing. Methods in Molecular Biology, 2018, 1829, 279-294.	0.9	12
41	The Genomic Impact of Mycoheterotrophy in Orchids. Frontiers in Plant Science, 2021, 12, 632033.	3.6	9
42	Mitochondrial Transcriptome Control and Intercompartment Cross-Talk During Plant Development. Cells, 2019, 8, 583.	4.1	7
43	BdERECTA controls vasculature patterning and phloem-xylem organization in Brachypodium distachyon. BMC Plant Biology, 2021, 21, 196.	3.6	7
44	Analysis of the Plant Mitochondrial Transcriptome. Methods in Molecular Biology, 2022, 2363, 235-262.	0.9	7
45	Full Length Transcriptome Highlights the Coordination of Plastid Transcript Processing. International Journal of Molecular Sciences, 2021, 22, 11297.	4.1	7
46	Transcriptome Analysis Reveals Putative Target Genes of APETALA3-3 During Early Floral Development in Nigella damascena L.. Frontiers in Plant Science, 2021, 12, 660803.	3.6	4
47	A systems biology approach uncovers a gene co-expression network associated with cell wall degradability in maize. PLoS ONE, 2019, 14, e0227011.	2.5	2
48	The Consequences of a Disruption in Cyto-Nuclear Coadaptation on the Molecular Response to a Nitrate Starvation in Arabidopsis. Plants, 2020, 9, 573.	3.5	0