Sylvie Dinant

List of Publications by Year
in descending order

44 papers	2,309 citations	218677 26 h-index	223800 46 g-index
51 all docs	51 docs citations	51 times ranked	2773 citing authors

#	Article	IF	Citations
1	Delving deeper into the link between sugar transport, sugar signaling, and vascular system development. Physiologia Plantarum, 2022, 174, e13684.	5.2	6
2	A vacuolar hexose transport is required for xylem development in the inflorescence stem. Plant Physiology, 2022, 188, 1229-1247.	4.8	12
3	Natural variation in the long-distance transport of nutrients and photoassimilates in response to N availability. Journal of Plant Physiology, 2022, 273, 153707.	3.5	5
4	Involvement of SUT1 and SUT2 Sugar Transporters in the Impairment of Sugar Transport and Changes in Phloem Exudate Contents in Phytoplasma-Infected Plants. International Journal of Molecular Sciences, 2021, 22, 745.	4.1	10
5	Plant nitrate supply regulates <i>Erwinia amylovora</i> virulence gene expression in <i>Arabidopsis</i>. Molecular Plant Pathology, 2021, 22, 1332-1346.	4.2	9
6	Impacts of environmental conditions, and allelic variation of cytosolic glutamine synthetase on maize hybrid kernel production. Communications Biology, 2021, 4, 1095.	4.4	8
7	Salinity Effects on Sugar Homeostasis and Vascular Anatomy in the Stem of the Arabidopsis Thaliana Inflorescence. International Journal of Molecular Sciences, 2019, 20, 3167.	4.1	32
8	Lateral Transport of Organic and Inorganic Solutes. Plants, 2019, 8, 20.	3.5	31
9	Live-Cell Imaging of Fluorescently Tagged Phloem Proteins with Confocal Microscopy. Methods in Molecular Biology, 2019, 2014, 95-108.	0.9	12
10	Arabidopsis Natural Accessions Display Adaptations in Inflorescence Growth and Vascular Anatomy to Withstand High Salinity during Reproductive Growth. Plants, 2019, 8, 61.	3.5	8
11	Synchrotron FTIR and Raman spectroscopy provide unique spectral fingerprints for Arabidopsis floral stem vascular tissues. Journal of Experimental Botany, 2019, 70, 871-884.	4.8	13
12	The rendez-vous of mobile sieve-element and abundant companion-cell proteins. Current Opinion in Plant Biology, 2018, 43, 108-112.	7.1	3
13	Three cytosolic glutamine synthetase isoforms localized in different-order veins act together for N remobilization and seed filling in Arabidopsis. Journal of Experimental Botany, 2018, 69, 4379-4393.	4.8	51
14	At<i>bHLH68</i> transcription factor contributes to the regulation of <scp>ABA</scp> homeostasis and drought stress tolerance in <i>Arabidopsis thaliana</i>. Physiologia Plantarum, 2017, 160, 312-327.	5.2	76
15	Combined microscopy and molecular analyses show phloem occlusions and cell wall modifications in tomato leaves in response to â€˜<i>Candidatus</i> Phytoplasma solaniâ€™. Journal of Microscopy, 2016, 263, 212-225.	1.8	22
16	Genetic variability of the phloem sap metabolite content of maize (Zea mays L.) during the kernel-filling period. Plant Science, 2016, 252, 347-357.	3.6	26
17	Live Imaging of Companion Cells and Sieve Elements in Arabidopsis Leaves. PLoS ONE, 2015, 10, e0118122.	2.5	58
18	Disruption of the Sugar Transporters AtSWEET11 and AtSWEET12 Affects Vascular Development and Freezing Tolerance in Arabidopsis. Molecular Plant, 2015, 8, 1687-1690.	8.3	121

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19	Sampling and Analysis of Phloem Sap. Methods in Molecular Biology, 2013, 953, 185-194.	0.9	23
20	Leaf Fructose Content Is Controlled by the Vacuolar Transporter SWEET17 in Arabidopsis. Current Biology, 2013, 23, 697-702.	3.9	214
21	Phloem: the integrative avenue for resource distribution, signaling, and defense. Frontiers in Plant Science, 2013, 4, 471.	3.6	18
22	Increased Expression of a Phloem Membrane Protein Encoded by <i>NHL26</i> Alters Phloem Export and Sugar Partitioning in <i>Arabidopsis</i>. Plant Cell, 2013, 25, 1689-1708.	6.6	29
23	Soluble and filamentous proteins in <i>Arabidopsis</i> sieve elements. Plant, Cell and Environment, 2012, 35, 1258-1273.	5.7	68
24	Phloem Protein Partners of <i>Cucurbit aphid borne yellows virus</i>: Possible Involvement of Phloem Proteins in Virus Transmission by Aphids. Molecular Plant-Microbe Interactions, 2010, 23, 799-810.	2.6	43
25	Binding Properties of the <i>N</i>-Acetylglucosamine and High-Mannose <i>N</i>-Glycan PP2-A1 Phloem Lectin in Arabidopsis. Plant Physiology, 2010, 153, 1345-1361.	4.8	83
26	The phloem pathway: New issues and old debates. Comptes Rendus - Biologies, 2010, 333, 307-319.	0.2	76
27	Compatible plant-aphid interactions: How aphids manipulate plant responses. Comptes Rendus - Biologies, 2010, 333, 516-523.	0.2	179
28	Phloem sap intricacy and interplay with aphid feeding. Comptes Rendus - Biologies, 2010, 333, 504-515.	0.2	156
29	Gene expression profiling: keys for investigating phloem functions. Trends in Plant Science, 2008, 13, 273-280.	8.8	34
30	Involvement of the xyloglucan endotransglycosylase/hydrolases encoded by celery XTH1 and Arabidopsis XTH33 in the phloem response to aphids. Plant, Cell and Environment, 2007, 30, 187-201.	5.7	66
31	Systemic response to aphid infestation by Myzus persicae in the phloem of Apium graveolens. Plant Molecular Biology, 2005, 57, 517-540.	3.9	137
32	Phloem specific expression driven by wheat dwarf geminivirus V-sense promoter in transgenic dicotyledonous species. Physiologia Plantarum, 2004, 121, 108-116.	5.2	31
33	Towards deciphering phloem: a transcriptome analysis of the phloem ofApium graveolens. Plant Journal, 2003, 36, 67-81.	5.7	84
34	Diversity of the Superfamily of Phloem Lectins (Phloem Protein 2) in Angiosperms. Plant Physiology, 2003, 131, 114-128.	4.8	182
35	Plasmodesmata and plant cytoskeleton. Trends in Plant Science, 2001, 6, 326-330.	8.8	66
36	Des ponts entre les cellules vÃ©gÃ©tales. Biofutur, 2000, 2000, 36-41.	0.0	1

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37	Synthesis of (âˆ')-strand RNA from the 3â€² untranslated region of plant viral genomes expressed in transgenic plants upon infection with related viruses. Journal of General Virology, 2000, 81, 1121-1126.	2.9	18
38	Title is missing!. European Journal of Plant Pathology, 1998, 104, 377-382.	1.7	9
39	Relationship of the pelargonium flower break carmovirus (PFBV) coat protein gene with that of other carmoviruses. Archives of Virology, 1998, 143, 1823-1829.	2.1	7
40	Coat protein gene-mediated protection in Lactuca sativa against lettuce mosaic potyvirus strains. Molecular Breeding, 1997, 3, 75-86.	2.1	36
41	Heterologous Resistance to Potato Virus Y in Transgenic Tobacco Plants Expressing the Coat Protein Gene of Lettuce Mosaic Potyvirus. Phytopathology, 1993, 83, 818.	2.2	39
42	Bromovirus RNA replication and transcription require compatibility between the polymerase- and helicase-like viral RNA synthesis proteins. Journal of Virology, 1993, 67, 7181-7189.	3.4	58
43	Lettuce mosaic virus. Plant Pathology, 1992, 41, 528-542.	2.4	87
44	Nucleotide sequence of the 3? terminal region of lettuce mosaic potyvirus RNA shows a Gln/Val dipeptide at the cleavage site between the polymerase and the coat protein. Archives of Virology, 1991, 116, 235-252.	2.1	36