

# Sylvie Dinant

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Leaf Fructose Content Is Controlled by the Vacuolar Transporter SWEET17 in Arabidopsis. <i>Current Biology</i> , 2013, 23, 697-702.	3.9	214
2	Diversity of the Superfamily of Phloem Lectins (Phloem Protein 2) in Angiosperms. <i>Plant Physiology</i> , 2003, 131, 114-128.	4.8	182
3	Compatible plant-aphid interactions: How aphids manipulate plant responses. <i>Comptes Rendus - Biologies</i> , 2010, 333, 516-523.	0.2	179
4	Phloem sap intricacy and interplay with aphid feeding. <i>Comptes Rendus - Biologies</i> , 2010, 333, 504-515.	0.2	156
5	Systemic response to aphid infestation by <i>Myzus persicae</i> in the phloem of <i>Apium graveolens</i> . <i>Plant Molecular Biology</i> , 2005, 57, 517-540.	3.9	137
6	Disruption of the Sugar Transporters AtSWEET11 and AtSWEET12 Affects Vascular Development and Freezing Tolerance in Arabidopsis. <i>Molecular Plant</i> , 2015, 8, 1687-1690.	8.3	121
7	Lettuce mosaic virus. <i>Plant Pathology</i> , 1992, 41, 528-542.	2.4	87
8	Towards deciphering phloem: a transcriptome analysis of the phloem of <i>Apium graveolens</i> . <i>Plant Journal</i> , 2003, 36, 67-81.	5.7	84
9	Binding Properties of the N-Acetylglucosamine and High-Mannose N-Glycan PP2-A1 Phloem Lectin in Arabidopsis. <i>Plant Physiology</i> , 2010, 153, 1345-1361.	4.8	83
10	The phloem pathway: New issues and old debates. <i>Comptes Rendus - Biologies</i> , 2010, 333, 307-319.	0.2	76
11	AtbHLH68 transcription factor contributes to the regulation of ABA homeostasis and drought stress tolerance in <i>Arabidopsis thaliana</i> . <i>Physiologia Plantarum</i> , 2017, 160, 312-327.	5.2	76
12	Soluble and filamentous proteins in <i>Arabidopsis</i> sieve elements. <i>Plant, Cell and Environment</i> , 2012, 35, 1258-1273.	5.7	68
13	Plasmodesmata and plant cytoskeleton. <i>Trends in Plant Science</i> , 2001, 6, 326-330.	8.8	66
14	Involvement of the xyloglucan endotransglycosylase/hydrolases encoded by celery XTH1 and Arabidopsis XTH33 in the phloem response to aphids. <i>Plant, Cell and Environment</i> , 2007, 30, 187-201.	5.7	66
15	Live Imaging of Companion Cells and Sieve Elements in Arabidopsis Leaves. <i>PLoS ONE</i> , 2015, 10, e0118122.	2.5	58
16	Bromovirus RNA replication and transcription require compatibility between the polymerase- and helicase-like viral RNA synthesis proteins. <i>Journal of Virology</i> , 1993, 67, 7181-7189.	3.4	58
17	Three cytosolic glutamine synthetase isoforms localized in different-order veins act together for N remobilization and seed filling in Arabidopsis. <i>Journal of Experimental Botany</i> , 2018, 69, 4379-4393.	4.8	51
18	Phloem Protein Partners of <i>Cucurbit</i> aphid borne yellows virus: Possible Involvement of Phloem Proteins in Virus Transmission by Aphids. <i>Molecular Plant-Microbe Interactions</i> , 2010, 23, 799-810.	2.6	43

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19	Heterologous Resistance to Potato Virus Y in Transgenic Tobacco Plants Expressing the Coat Protein Gene of Lettuce Mosaic Potyvirus. <i>Phytopathology</i> , 1993, 83, 818.	2.2	39
20	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. <i>Archives of Virology</i> , 1991, 116, 235-252.	2.1	36
21	Coat protein gene-mediated protection in <i>Lactuca sativa</i> against lettuce mosaic potyvirus strains. <i>Molecular Breeding</i> , 1997, 3, 75-86.	2.1	36
22	Gene expression profiling: keys for investigating phloem functions. <i>Trends in Plant Science</i> , 2008, 13, 273-280.	8.8	34
23	Salinity Effects on Sugar Homeostasis and Vascular Anatomy in the Stem of the <i>Arabidopsis Thaliana</i> Inflorescence. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3167.	4.1	32
24	Phloem specific expression driven by wheat dwarf geminivirus V-sense promoter in transgenic dicotyledonous species. <i>Physiologia Plantarum</i> , 2004, 121, 108-116.	5.2	31
25	Lateral Transport of Organic and Inorganic Solutes. <i>Plants</i> , 2019, 8, 20.	3.5	31
26	Increased Expression of a Phloem Membrane Protein Encoded by <i>NHL26</i> Alters Phloem Export and Sugar Partitioning in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 1689-1708.	6.6	29
27	Genetic variability of the phloem sap metabolite content of maize ( <i>Zea mays</i> L.) during the kernel-filling period. <i>Plant Science</i> , 2016, 252, 347-357.	3.6	26
28	Sampling and Analysis of Phloem Sap. <i>Methods in Molecular Biology</i> , 2013, 953, 185-194.	0.9	23
29	Combined microscopy and molecular analyses show phloem occlusions and cell wall modifications in tomato leaves in response to <i>Candidatus Phytoplasma solani</i> . <i>Journal of Microscopy</i> , 2016, 263, 212-225.	1.8	22
30	Phloem: the integrative avenue for resource distribution, signaling, and defense. <i>Frontiers in Plant Science</i> , 2013, 4, 471.	3.6	18
31	Synthesis of (â <sup>+</sup> )-strand RNA from the 3' untranslated region of plant viral genomes expressed in transgenic plants upon infection with related viruses. <i>Journal of General Virology</i> , 2000, 81, 1121-1126.	2.9	18
32	Synchrotron FTIR and Raman spectroscopy provide unique spectral fingerprints for <i>Arabidopsis</i> floral stem vascular tissues. <i>Journal of Experimental Botany</i> , 2019, 70, 871-884.	4.8	13
33	Live-Cell Imaging of Fluorescently Tagged Phloem Proteins with Confocal Microscopy. <i>Methods in Molecular Biology</i> , 2019, 2014, 95-108.	0.9	12
34	A vacuolar hexose transport is required for xylem development in the inflorescence stem. <i>Plant Physiology</i> , 2022, 188, 1229-1247.	4.8	12
35	Involvement of SUT1 and SUT2 Sugar Transporters in the Impairment of Sugar Transport and Changes in Phloem Exudate Contents in <i>Phytoplasma</i> -Infected Plants. <i>International Journal of Molecular Sciences</i> , 2021, 22, 745.	4.1	10
36	Title is missing!. <i>European Journal of Plant Pathology</i> , 1998, 104, 377-382.	1.7	9

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37	Plant nitrate supply regulates <i>Erwinia amylovora</i> virulence gene expression in <i>Arabidopsis</i> . <i>Molecular Plant Pathology</i> , 2021, 22, 1332-1346.	4.2	9
38	<i>Arabidopsis</i> Natural Accessions Display Adaptations in Inflorescence Growth and Vascular Anatomy to Withstand High Salinity during Reproductive Growth. <i>Plants</i> , 2019, 8, 61.	3.5	8
39	Impacts of environmental conditions, and allelic variation of cytosolic glutamine synthetase on maize hybrid kernel production. <i>Communications Biology</i> , 2021, 4, 1095.	4.4	8
40	Relationship of the pelargonium flower break carmovirus (PFBV) coat protein gene with that of other carmoviruses. <i>Archives of Virology</i> , 1998, 143, 1823-1829.	2.1	7
41	Delving deeper into the link between sugar transport, sugar signaling, and vascular system development. <i>Physiologia Plantarum</i> , 2022, 174, e13684.	5.2	6
42	Natural variation in the long-distance transport of nutrients and photoassimilates in response to N availability. <i>Journal of Plant Physiology</i> , 2022, 273, 153707.	3.5	5
43	The rendez-vous of mobile sieve-element and abundant companion-cell proteins. <i>Current Opinion in Plant Biology</i> , 2018, 43, 108-112.	7.1	3
44	Des ponts entre les cellules végétales. <i>Biofutur</i> , 2000, 2000, 36-41.	0.0	1