

# Julia Kehr

## List of Publications by Year in descending order

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52  
papers

5,139  
citations

126907

33  
h-index

197818

49  
g-index

55  
all docs

55  
docs citations

55  
times ranked

5177  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-Distance Transported RNAs: From Identity to Function. Annual Review of Plant Biology, 2022, 73, 457-474.	18.7	16
2	Detection of RNA in Ribonucleoprotein Complexes by Blue Native Northern Blotting. Methods in Molecular Biology, 2021, 2170, 45-51.	0.9	5
3	Enzyme activity and structural features of three single-domain phloem cyclophilins from Brassica napus. Scientific Reports, 2019, 9, 9368.	3.3	7
4	Comparative proteomic analysis of salt-responsive proteins in canola roots by 2-DE and MALDI-TOF MS. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 227-236.	2.3	18
5	Long distance <scp>RNA</scp> movement. New Phytologist, 2018, 218, 29-40.	7.3	137
6	Phloem Sap Sampling from &lt;em&gt;Brassica napus&/em&gt; for 3D-PAGE of Protein and Ribonucleoprotein Complexes. Journal of Visualized Experiments, 2018, , .	0.3	8
7	Bioinformatic and expression analysis of the Brassica napus L. cyclophilins. Scientific Reports, 2017, 7, 1514.	3.3	15
8	Functional analysis of <i>Brassica napus</i> phloem protein and ribonucleoprotein complexes. New Phytologist, 2017, 214, 1188-1197.	7.3	35
9	Macronutrient sensing and signaling in plants. , 2017, , 45-64.		5
10	Insights into Microalga and Bacteria Interactions of Selected Phycosphere Biofilms Using Metagenomic, Transcriptomic, and Proteomic Approaches. Frontiers in Microbiology, 2017, 8, 1941.	3.5	97
11	Systemic Induction of NO-, Redox-, and cGMP Signaling in the Pumpkin Extrafascicular Phloem upon Local Leaf Wounding. Frontiers in Plant Science, 2016, 7, 154.	3.6	26
12	Protocol: optimisation of a grafting protocol for oilseed rape (Brassica napus) for studying long-distance signalling. Plant Methods, 2016, 12, 22.	4.3	5
13	Effects of Fe deficiency on the protein profile of <i>Brassica napus</i> phloem sap. Proteomics, 2015, 15, 3835-3853.	2.2	15
14	Laser Microdissection Coupled to Transcriptional Profiling of Arabidopsis Roots Inoculated by Plasmodiophora brassicae Indicates a Role for Brassinosteroids in Clubroot Formation. Plant and Cell Physiology, 2014, 55, 392-411.	3.1	83
15	The Distinct Functional Roles of the Inner and Outer Chloroplast Envelope of Pea (<i>Pisum</i> Tj ETQq1 1 0.784314 10.1007/s11103-017-0377-7 /Overlock 10.1007/s11103-017-0377-7	3.7	37
16	Protein profile of <i>Lupinus texensis</i> phloem sap exudates: Searching for Fe&#x2013;and Zn&#x2013;containing proteins. Proteomics, 2013, 13, 2283-2296.	2.2	24
17	Sampling and Analysis of Phloem Sap. Methods in Molecular Biology, 2013, 953, 185-194.	0.9	23
18	Systemic regulation of mineral homeostasis by micro RNAs. Frontiers in Plant Science, 2013, 4, 145.	3.6	51

#	ARTICLE	IF	CITATIONS
19	Long-Distance Signaling by Small RNAs. , 2012, , 131-149.		5
20	Roles of miRNAs in Nutrient Signaling and Homeostasis. Signaling and Communication in Plants, 2012, , 197-217.	0.7	5
21	Phloem small RNAs, nutrient stress responses, and systemic mobility. BMC Plant Biology, 2010, 10, 64.	3.6	265
22	Y3IP1, a Nucleus-Encoded Thylakoid Protein, Cooperates with the Plastid-Encoded Ycf3 Protein in Photosystem I Assembly of Tobacco and <i>Arabidopsis</i> . Plant Cell, 2010, 22, 2838-2855.	6.6	72
23	Phloem sap intricacy and interplay with aphid feeding. Comptes Rendus - Biologies, 2010, 333, 504-515.	0.2	156
24	Identification of Nutrient-Responsive Arabidopsis and Rapeseed MicroRNAs by Comprehensive Real-Time Polymerase Chain Reaction Profiling and Small RNA Sequencing. Plant Physiology, 2009, 150, 1541-1555.	4.8	414
25	Long-distance transport of macromolecules through the phloem. F1000 Biology Reports, 2009, 1, 31.	4.0	13
26	MicroRNA399 is a long-distance signal for the regulation of plant phosphate homeostasis. Plant Journal, 2008, 53, 731-738.	5.7	652
27	Identification and characterization of small RNAs from the phloem of <i>Brassica napus</i> . Plant Journal, 2008, 53, 739-749.	5.7	338
28	Identification of high levels of phytochelatin, glutathione and cadmium in the phloem sap of <i>Brassica napus</i> . A role for thiol-peptides in the long-distance transport of cadmium and the effect of cadmium on iron translocation. Plant Journal, 2008, 54, 249-259.	5.7	311
29	Adaptation of aphid stylectomy for analyses of proteins and mRNAs in barley phloem sap. Journal of Experimental Botany, 2008, 59, 3297-3306.	4.8	69
30	Protein Extraction from Xylem and Phloem Sap. , 2007, 355, 27-36.		14
31	Long distance transport and movement of RNA through the phloem. Journal of Experimental Botany, 2007, 59, 85-92.	4.8	248
32	Preparation and Quality Assessment of RNA From Cell-Specific Samples Obtained by Laser Microdissection. , 2006, 323, 367-378.		6
33	Towards the proteome of <i>Brassica napus</i> phloem sap. Proteomics, 2006, 6, 896-909.	2.2	237
34	Phloem sap proteins: their identities and potential roles in the interaction between plants and phloem-feeding insects. Journal of Experimental Botany, 2006, 57, 767-774.	4.8	223
35	Analysis of xylem sap proteins from <i>Brassica napus</i> . BMC Plant Biology, 2005, 5, 11.	3.6	107
36	Evaluation of two-dimensional electrophoresis and liquid chromatography - tandem mass spectrometry for tissue-specific protein profiling of laser-microdissected plant samples. Electrophoresis, 2005, 26, 2729-2738.	2.4	81

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37	Metabolic profiling of laser microdissected vascular bundles of <i>Arabidopsis thaliana</i> . <i>Plant Methods</i> , 2005, 1, 2.	4.3	93
38	Xylem sap protein composition is conserved among different plant species. <i>Planta</i> , 2004, 219, 610-8.	3.2	141
39	Proteomics of curcubit phloem exudate reveals a network of defence proteins. <i>Phytochemistry</i> , 2004, 65, 1795-1804.	2.9	210
40	A simple, chisel-assisted mechanical microdissection system for harvesting homogenous plant tissue suitable for the analysis of nucleic acids and proteins. <i>Plant Molecular Biology Reporter</i> , 2003, 21, 417-427.	1.8	11
41	Overexpression of the sucrose transporter <i>SoSUT1</i> in potato results in alterations in leaf carbon partitioning and in tuber metabolism but has little impact on tuber morphology. <i>Planta</i> , 2003, 217, 158-167.	3.2	101
42	Single cell technology. <i>Current Opinion in Plant Biology</i> , 2003, 6, 617-621.	7.1	99
43	Using array hybridization to monitor gene expression at the single cell level. <i>Journal of Experimental Botany</i> , 2002, 53, 2315-2323.	4.8	73
44	Evidence for the presence and activity of a complete antioxidant defence system in mature sieve tubes. <i>Plant Journal</i> , 2002, 31, 189-197.	5.7	149
45	Matrix-assisted laser desorption/ionization time of flight mass spectrometry peptide mass fingerprints and post source decay: a tool for the identification and analysis of phloem proteins from <i>Cucurbita maxima</i> Duch. separated by two-dimensional polyacrylamide gel electrophoresis. <i>Planta</i> , 2001, 213, 586-593.	3.2	56
46	An <i>Arabidopsis</i> inositol phospholipid kinase strongly expressed in procambial cells: Synthesis of <i>PtdIns(4,5)P2</i> and <i>PtdIns(3,4,5)P3</i> in insect cells by 5-phosphorylation of precursors. <i>Plant Journal</i> , 2001, 26, 561-571.	5.7	59
47	Amino acid analysis in five pooled single plant cell samples using capillary electrophoresis coupled to laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 2001, 926, 319-325.	3.7	94
48	High resolution spatial analysis of plant systems. <i>Current Opinion in Plant Biology</i> , 2001, 4, 197-201.	7.1	45
49	A rapid method for detection of plant gene transcripts from single epidermal, mesophyll and companion cells of intact leaves. <i>Plant Journal</i> , 1999, 20, 245-250.	5.7	73
50	Analysis of phloem protein patterns from different organs of <i>Cucurbita maxima</i> Duch. by matrix-assisted laser desorption/ionization time of flight mass spectroscopy combined with sodium dodecyl sulfate-polyacrylamide gel electrophoresis. <i>Planta</i> , 1999, 207, 612-619.	3.2	49
51	Effect of modified carbon allocation on turgor, osmolality, sugar and potassium content, and membrane potential in the epidermis of transgenic potato ( <i>Solanum tuberosum</i> L.) plants. <i>Journal of Experimental Botany</i> , 1999, 50, 565-571.	4.8	8
52	Transgenic plants changed in carbon allocation pattern display a shift in diurnal growth pattern. <i>Plant Journal</i> , 1998, 16, 497-503.	5.7	52