

# 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	MicroRNA399 is a long-distance signal for the regulation of plant phosphate homeostasis. <i>Plant Journal</i> , 2008, 53, 731-738.	5.7	652
2	Identification of Nutrient-Responsive Arabidopsis and Rapeseed MicroRNAs by Comprehensive Real-Time Polymerase Chain Reaction Profiling and Small RNA Sequencing. <i>Plant Physiology</i> , 2009, 150, 1541-1555.	4.8	414
3	Identification and characterization of small RNAs from the phloem of <i>Brassica napus</i> . <i>Plant Journal</i> , 2008, 53, 739-749.	5.7	338
4	Identification of high levels of phytochelators, 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. <i>Plant Journal</i> , 2008, 54, 249-259.	5.7	311
5	Phloem small RNAs, nutrient stress responses, and systemic mobility. <i>BMC Plant Biology</i> , 2010, 10, 64.	3.6	265
6	Long distance transport and movement of RNA through the phloem. <i>Journal of Experimental Botany</i> , 2007, 59, 85-92.	4.8	248
7	Towards the proteome of <i>Brassica napus</i> phloem sap. <i>Proteomics</i> , 2006, 6, 896-909.	2.2	237
8	Phloem sap proteins: their identities and potential roles in the interaction between plants and phloem-feeding insects. <i>Journal of Experimental Botany</i> , 2006, 57, 767-774.	4.8	223
9	Proteomics of curcubit phloem exudate reveals a network of defence proteins. <i>Phytochemistry</i> , 2004, 65, 1795-1804.	2.9	210
10	Phloem sap intricacy and interplay with aphid feeding. <i>Comptes Rendus - Biologies</i> , 2010, 333, 504-515.	0.2	156
11	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
12	Xylem sap protein composition is conserved among different plant species. <i>Planta</i> , 2004, 219, 610-8.	3.2	141
13	Long distance <i>scp</i> RNA movement. <i>New Phytologist</i> , 2018, 218, 29-40.	7.3	137
14	Analysis of xylem sap proteins from <i>Brassica napus</i> . <i>BMC Plant Biology</i> , 2005, 5, 11.	3.6	107
15	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
16	Single cell technology. <i>Current Opinion in Plant Biology</i> , 2003, 6, 617-621.	7.1	99
17	Insights into Microalga and Bacteria Interactions of Selected Phycosphere Biofilms Using Metagenomic, Transcriptomic, and Proteomic Approaches. <i>Frontiers in Microbiology</i> , 2017, 8, 1941.	3.5	97
18	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

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19	Metabolic profiling of laser microdissected vascular bundles of <i>Arabidopsis thaliana</i> . <i>Plant Methods</i> , 2005, 1, 2.	4.3	93
20	Laser Microdissection Coupled to Transcriptional Profiling of <i>Arabidopsis</i> Roots Inoculated by <i>Plasmodiophora brassicae</i> Indicates a Role for Brassinosteroids in Clubroot Formation. <i>Plant and Cell Physiology</i> , 2014, 55, 392-411.	3.1	83
21	Evaluation of two-dimensional electrophoresis and liquid chromatography - tandem mass spectrometry for tissue-specific protein profiling of laser-microdissected plant samples. <i>Electrophoresis</i> , 2005, 26, 2729-2738.	2.4	81
22	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
23	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
24	Y3IP1, a Nucleus-Encoded Thylakoid Protein, Cooperates with the Plastid-Encoded Ycf3 Protein in Photosystem I Assembly of Tobacco and <i>Arabidopsis</i> . <i>Plant Cell</i> , 2010, 22, 2838-2855.	6.6	72
25	Adaptation of aphid stylectomy for analyses of proteins and mRNAs in barley phloem sap. <i>Journal of Experimental Botany</i> , 2008, 59, 3297-3306.	4.8	69
26	An <i>Arabidopsis</i> inositol phospholipid kinase strongly expressed in procambial cells: Synthesis of PtdIns(4,5)P2 and PtdIns(3,4,5)P3 in insect cells by 5-phosphorylation of precursors. <i>Plant Journal</i> , 2001, 26, 561-571.	5.7	59
27	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
28	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
29	Systemic regulation of mineral homeostasis by micro RNAs. <i>Frontiers in Plant Science</i> , 2013, 4, 145.	3.6	51
30	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
31	High resolution spatial analysis of plant systems. <i>Current Opinion in Plant Biology</i> , 2001, 4, 197-201.	7.1	45
32	The Distinct Functional Roles of the Inner and Outer Chloroplast Envelope of Pea ( <i>Pisum</i> ). <i>Journal of Experimental Botany</i> , 2011, 62, 115-122.	3.7	37
33	Functional analysis of <i>Brassica napus</i> phloem protein and ribonucleoprotein complexes. <i>New Phytologist</i> , 2017, 214, 1188-1197.	7.3	35
34	Systemic Induction of NO-, Redox-, and cGMP Signaling in the Pumpkin Extrafascicular Phloem upon Local Leaf Wounding. <i>Frontiers in Plant Science</i> , 2016, 7, 154.	3.6	26
35	Protein profile of <i>Lupinus texensis</i> phloem sap exudates: Searching for Fe- and Zn-containing proteins. <i>Proteomics</i> , 2013, 13, 2283-2296.	2.2	24
36	Sampling and Analysis of Phloem Sap. <i>Methods in Molecular Biology</i> , 2013, 953, 185-194.	0.9	23

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37	Comparative proteomic analysis of salt-responsive proteins in canola roots by 2-DE and MALDI-TOF MS. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 227-236.	2.3	18
38	Long-Distance Transported RNAs: From Identity to Function. <i>Annual Review of Plant Biology</i> , 2022, 73, 457-474.	18.7	16
39	Effects of Fe deficiency on the protein profile of <i>Brassica napus</i> phloem sap. <i>Proteomics</i> , 2015, 15, 3835-3853.	2.2	15
40	Bioinformatic and expression analysis of the <i>Brassica napus</i> L. cyclophilins. <i>Scientific Reports</i> , 2017, 7, 1514.	3.3	15
41	Protein Extraction from Xylem and Phloem Sap. , 2007, 355, 27-36.		14
42	Long-distance transport of macromolecules through the phloem. <i>F1000 Biology Reports</i> , 2009, 1, 31.	4.0	13
43	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
44	Phloem Sap Sampling from <i>Brassica napus</i> for 3D-PAGE of Protein and Ribonucleoprotein Complexes. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	8
45	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
46	Enzyme activity and structural features of three single-domain phloem cyclophilins from <i>Brassica napus</i> . <i>Scientific Reports</i> , 2019, 9, 9368.	3.3	7
47	Preparation and Quality Assessment of RNA From Cell-Specific Samples Obtained by Laser Microdissection. , 2006, 323, 367-378.		6
48	Long-Distance Signaling by Small RNAs. , 2012, , 131-149.		5
49	Roles of miRNAs in Nutrient Signaling and Homeostasis. <i>Signaling and Communication in Plants</i> , 2012, , 197-217.	0.7	5
50	Protocol: optimisation of a grafting protocol for oilseed rape ( <i>Brassica napus</i> ) for studying long-distance signalling. <i>Plant Methods</i> , 2016, 12, 22.	4.3	5
51	Macronutrient sensing and signaling in plants. , 2017, , 45-64.		5
52	Detection of RNA in Ribonucleoprotein Complexes by Blue Native Northern Blotting. <i>Methods in Molecular Biology</i> , 2021, 2170, 45-51.	0.9	5