Friedrich Kragler

List of Publications by Year
in descending order

56 papers	4,268 citations	147801 31 h-index	161849 54 g-index
64 all docs	64 docs citations	64 times ranked	3814 citing authors

#	Article	IF	Citations
1	A Systemic Small RNA Signaling System in Plants. Plant Cell, 2004, 16, 1979-2000.	6.6	488
2	Endogenous Arabidopsis messenger RNAs transported to distant tissues. Nature Plants, 2015, 1, 15025.	9.3	331
3	The Phloem-Delivered RNA Pool Contains Small Noncoding RNAs and Interferes with Translation Â Â. Plant Physiology, 2009, 150, 378-387.	4.8	224
4	Plasmodesmata. Plant Cell, 2002, 14, S303-S325.	6.6	203
5	RNA as a long-distance information macromolecule in plants. Nature Reviews Molecular Cell Biology, 2001, 2, 849-857.	37.0	198
6	Two independent peroxisomal targeting signals in catalase A of Saccharomyces cerevisiae.. Journal of Cell Biology, 1993, 120, 665-673.	5.2	178
7	m5C Methylation Guides Systemic Transport of Messenger RNA over Graft Junctions in Plants. Current Biology, 2019, 29, 2465-2476.e5.	3.9	149
8	The Tetratricopeptide Repeat Domain of the PAS10 Protein of Saccharomyces cerevisiae Is Essential for Binding the Peroxisomal Targeting Signal -SKL. Biochemical and Biophysical Research Communications, 1994, 204, 1016-1022.	2.1	147
9	tRNA-Related Sequences Trigger Systemic mRNA Transport in Plants. Plant Cell, 2016, 28, 1237-1249.	6.6	143
10	A subclass of plant heat shock cognate 70 chaperones carries a motif that facilitates trafficking through plasmodesmata. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 16342-16347.	7.1	140
11	PEX11 family members are membrane elongation factors that coordinate peroxisome proliferation and maintenance. Journal of Cell Science, 2010, 123, 3389-3400.	2.0	140
12	Long distance <scp>RNA</scp> movement. New Phytologist, 2018, 218, 29-40.	7.3	137
13	MPB2C, a Microtubule-Associated Plant Protein Binds to and Interferes with Cell-to-Cell Transport of Tobacco Mosaic Virus Movement Protein. Plant Physiology, 2003, 132, 1870-1883.	4.8	136
14	Two-Dimensional Patterning by a Trapping/Depletion Mechanism: The Role of TTG1 and GL3 in Arabidopsis Trichome Formation. PLoS Biology, 2008, 6, e141.	5.6	135
15	Cellâ€toâ€cell transport of proteins: requirement for unfolding and characterization of binding to a putative plasmodesmal receptor. Plant Journal, 1998, 15, 367-381.	5.7	115
16	Phytotyping^{4D}: a lightâ€field imaging system for nonâ€invasive and accurate monitoring of spatioâ€temporal plant growth. Plant Journal, 2015, 82, 693-706.	5.7	97
17	The stability and nuclear localization of the transcription factor <scp>RAP</scp>2.12 are dynamically regulated by oxygen concentration. Plant, Cell and Environment, 2015, 38, 1094-1103.	5.7	95
18	Identification and analysis of the plant peroxisomal targeting signal 1 receptor NtPEX5. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 13336-13341.	7.1	92

#	Article	IF	Citations
19	The plasmodesmatal transport pathway for homeotic proteins, silencing signals and viruses. Current Opinion in Plant Biology, 2004, 7, 641-650.	7.1	88
20	Targeting of malate synthase 1 to the peroxisomes ofSaccharomyces cerevisiaecells depends on growth on oleic acid medium. FEBS Journal, 2002, 269, 915-922.	0.2	80
21	Plasmodesmata: Dynamics, Domains and Patterning. Annals of Botany, 1998, 81, 1-10.	2.9	78
22	Peptide antagonists of the plasmodesmal macromolecular trafficking pathway. EMBO Journal, 2000, 19, 2856-2868.	7.8	76
23	Cellulose Synthesis and Cell Expansion Are Regulated by Different Mechanisms in Growing Arabidopsis Hypocotyls. Plant Cell, 2017, 29, 1305-1315.	6.6	67
24	MPB2C, a Microtubule-Associated Protein, Regulates Non-Cell-Autonomy of the Homeodomain Protein KNOTTED1. Plant Cell, 2007, 19, 3001-3018.	6.6	61
25	A Subtle Interplay Between Three Pex11 Proteins Shapes <i>De Novo</i> Formation and Fission of Peroxisomes. Traffic, 2012, 13, 157-167.	2.7	59
26	Primary carbohydrate metabolism genes participate in heat-stress memory at the shoot apical meristem of Arabidopsis thaliana. Molecular Plant, 2021, 14, 1508-1524.	8.3	58
27	Graftâ€transmissible movement of invertedâ€repeatâ€induced si<scp>RNA</scp> signals into flowers. Plant Journal, 2014, 80, 106-121.	5.7	55
28	Plasmodesmata: intercellular tunnels facilitating transport of macromolecules in plants. Cell and Tissue Research, 2013, 352, 49-58.	2.9	53
29	Circadian, Carbon, and Light Control of Expansion Growth and Leaf Movement. Plant Physiology, 2017, 174, 1949-1968.	4.8	39
30	Expression Atlas of <i>Selaginella moellendorffii</i> Provides Insights into the Evolution of Vasculature, Secondary Metabolism, and Roots. Plant Cell, 2020, 32, 853-870.	6.6	39
31	RNA in the phloem: A crisis or a return on investment?. Plant Science, 2010, 178, 99-104.	3.6	33
32	PlaMoM: a comprehensive database compiles plant mobile macromolecules. Nucleic Acids Research, 2017, 45, D1021-D1028.	14.5	33
33	Timing Is Everything: Highly Specific and Transient Expression of a MAP Kinase Determines Auxin-Induced Leaf Venation Patterns in Arabidopsis. Molecular Plant, 2014, 7, 1637-1652.	8.3	32
34	The chaperonin CCT8 facilitates spread of tobamovirus infection. Plant Signaling and Behavior, 2012, 7, 318-321.	2.4	28
35	Phloem-mobile signals affecting flowers: applications for crop breeding. Trends in Plant Science, 2013, 18, 198-206.	8.8	28
36	Shoot and root single cell sequencing reveals tissue- and daytime-specific transcriptome profiles. Plant Physiology, 2022, 188, 861-878.	4.8	27

#	Article	IF	Citations
37	Mobile Transcripts and Intercellular Communication in Plants. The Enzymes, 2016, 40, 1-29.	1.7	26
38	A bioinformatics approach to distinguish plant parasite and host transcriptomes in interface tissue by classifying RNA-Seq reads. Plant Methods, 2015, 11, 34.	4.3	23
39	A Phenotypic Search on Graft Compatibility in Grapevine. Agronomy, 2020, 10, 706.	3.0	23
40	Plant grafting and graft incompatibility: A review from the grapevine perspective. Scientia Horticulturae, 2022, 299, 111019.	3.6	16
41	Long-Distance Transported RNAs: From Identity to Function. Annual Review of Plant Biology, 2022, 73, 457-474.	18.7	16
42	Conceptual and Methodological Considerations on mRNA and Proteins as Intercellular and Long-Distance Signals. Plant and Cell Physiology, 2018, 59, 1700-1713.	3.1	15
43	The Impact of Metabolic Scionâ€"Rootstock Interactions in Different Grapevine Tissues and Phloem Exudates. Metabolites, 2021, 11, 349.	2.9	10
44	Limited Phosphate: Mobile RNAs convey the message. Nature Plants, 2016, 2, 16040.	9.3	8
45	Analysis of the Conductivity of Plasmodesmata by Microinjection. Methods in Molecular Biology, 2015, 1217, 173-184.	0.9	6
46	Methylated RNA Immunoprecipitation Assay to Study m⁵C Modification in Arabidopsis. Journal of Visualized Experiments, 2020, , .	0.3	6
47	AtHDA6 functions as an H3K18ac eraser to maintain pericentromeric CHG methylation in Arabidopsis thaliana. Nucleic Acids Research, 2021, 49, 9755-9767.	14.5	6
48	Regulation of Malate Synthase Activity. Annals of the New York Academy of Sciences, 1996, 804, 694-695.	3.8	5
49	Signaling and Phloem-Mobile Transcripts. , 2012, , 151-177.		5
50	Physiological Profiling of Embryos and Dormant Seeds in Two Arabidopsis Accessions Reveals a Metabolic Switch in Carbon Reserve Accumulation. Frontiers in Plant Science, 2020, 11, 588433.	3.6	4
51	Plasmodesmata: Protein Transport Signals and Receptors. , 0, , 53-72.		3
52	Plant mitochondrial FMT and its mammalian homolog CLUH controls development and behavior in Arabidopsis and locomotion in mice. Cellular and Molecular Life Sciences, 2022, 79, .	5.4	2
53	Timing Is Everything: Highly Specific and Transient Expression of a MAP Kinase Determines Auxin-Induced Leaf Venation Patterns in Arabidopsis. Molecular Plant, 2015, 8, 829.	8.3	1
54	A New Strategy for Isolating Genes Expressing Proteins Involved in the Import of Peroxisomal Proteins. Annals of the New York Academy of Sciences, 1996, 804, 658-659.	3.8	0

#	Article	IF	Citations
55	Cosmic signals?. Trends in Plant Science, 1997, 2, 246-247.	8.8	0
56	An Arabidopsis Callus Grafting Method to Test Cell-to-Cell Mobility of Proteins. Methods in Molecular Biology, 2022, 2457, 299-312.	0.9	0