Peter Brodersen

List of Publications by Year
in descending order

24 papers	2,830 citations	394421 19 h-index	642732 23 g-index
31 all docs	31 docs citations	31 times ranked	3571 citing authors

#	Article	IF	Citations
1	Widespread Translational Inhibition by Plant miRNAs and siRNAs. Science, 2008, 320, 1185-1190.	12.6	1,352
2	Biochemical Evidence for Translational Repression by <i>Arabidopsis</i> MicroRNAs. Plant Cell, 2009, 21, 1762-1768.	6.6	289
3	An m⁶A-YTH Module Controls Developmental Timing and Morphogenesis in Arabidopsis. Plant Cell, 2018, 30, 952-967.	6.6	187
4	Lessons on RNA Silencing Mechanisms in Plants from Eukaryotic Argonaute Structures. Plant Cell, 2013, 25, 22-37.	6.6	120
5	SKI2 mediates degradation of RISC 5â€²-cleavage fragments and prevents secondary siRNA production from miRNA targets in<i>Arabidopsis</i>. Nucleic Acids Research, 2015, 43, 10975-10988.	14.5	109
6	Isoprenoid biosynthesis is required for miRNA function and affects membrane association of ARGONAUTE 1 in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1778-1783.	7.1	101
7	Catchment properties and the photosynthetic trait composition of freshwater plant communities. Science, 2019, 366, 878-881.	12.6	80
8	Occurrence and Functions of m⁶A and Other Covalent Modifications in Plant mRNA. Plant Physiology, 2020, 182, 79-96.	4.8	80
9	Retromer Contributes to Immunity-Associated Cell Death in Arabidopsis. Plant Cell, 2015, 27, 463-479.	6.6	67
10	The Slicer Activity of ARGONAUTE1 is Required Specifically for the Phasing, Not Production, of Trans-Acting Short Interfering RNAs in Arabidopsis. Plant Cell, 2016, 28, tpc.00121.2016.	6.6	62
11	mRNA Decay of Most Arabidopsis miRNA Targets Requires Slicer Activity of AGO1. Plant Physiology, 2016, 171, 2620-2632.	4.8	54
12	Characterization of <i>Arabidopsis thaliana</i> Promoter Bidirectionality and Antisense RNAs by Inactivation of Nuclear RNA Decay Pathways. Plant Cell, 2020, 32, 1845-1867.	6.6	50
13	Recurrent requirement for the m6A-ECT2/ECT3/ECT4 axis in the control of cell proliferation during plant organogenesis. Development (Cambridge), 2020, 147, .	2.5	46
14	Principles of mRNA targeting via the Arabidopsis m6A-binding protein ECT2. ELife, 2021, 10, .	6.0	41
15	Heat-shock protein 40 is the key farnesylation target in meristem size control, abscisic acid signaling, and drought resistance. Genes and Development, 2017, 31, 2282-2295.	5.9	33
16	Intact RNA structurome reveals mRNA structure-mediated regulation of miRNA cleavage inÂvivo. Nucleic Acids Research, 2020, 48, 8767-8781.	14.5	33
17	The YTHDF proteins ECT2 and ECT3 bind largely overlapping target sets and influence target mRNA abundance, not alternative polyadenylation. ELife, 2021, 10, .	6.0	33
18	Organismal benefits of transcription speed control at gene boundaries. EMBO Reports, 2020, 21, e49315.	4.5	28

#	Article	IF	Citations
19	The transmembrane autophagy cargo receptors ATI1 and ATI2 interact with ATG8 through intrinsically disordered regions with distinct biophysical properties. Biochemical Journal, 2019, 476, 449-465.	3.7	24
20	Farnesylated heat shock protein 40 is a component of membrane-bound RISC in Arabidopsis. Journal of Biological Chemistry, 2018, 293, 16608-16622.	3.4	18
21	PAMP-triggered genetic reprogramming involves widespread alternative transcription initiation and an immediate transcription factor wave. Plant Cell, 2022, 34, 2615-2637.	6.6	12
22	Nuclear and cytoplasmic RNA exosomes and PELOTA1 prevent miRNA-induced secondary siRNA production in Arabidopsis. Nucleic Acids Research, 2022, 50, 1396-1415.	14.5	4
23	A new class of genic nuclearRNAspecies inArabidopsis. FEBS Letters, 2018, 592, 631-643.	2.8	3
24	Detection of Slicer Activity by Immunopurified Plant ARGONAUTE1. Methods in Molecular Biology, 2019, 1932, 295-316.	0.9	0