Marja C P Timmermans

List of Publications by Year
in descending order

36 papers	3,859 citations	236925 25 h-index	361022 35 g-index
38 all docs	38 docs citations	38 times ranked	3970 citing authors

#	Article	IF	Citations
1	Crafting a blueprint for single-cell RNA sequencing. Trends in Plant Science, 2022, 27, 92-103.	8.8	25
2	High-throughput single-cell RNA sequencing. Trends in Plant Science, 2022, 27, 104-105.	8.8	4
3	Sponging of glutamate at the outer plasma membrane surface reveals roles for glutamate in development. Plant Journal, 2022, 109, 664-674.	5.7	7
4	Specification of leaf dorsiventrality via a prepatterned binary readout of a uniform auxin input. Nature Plants, 2022, 8, 269-280.	9.3	27
5	Distinct identities of leaf phloem cells revealed by single cell transcriptomics. Plant Cell, 2021, 33, 511-530.	6.6	162
6	Genome-wide analysis of plant miRNA action clarifies levels of regulatory dynamics across developmental contexts. Genome Research, 2021, 31, 811-822.	5.5	16
7	Small RNAs as plant morphogens. Current Topics in Developmental Biology, 2020, 137, 455-480.	2.2	17
8	Genomic prediction of maize microphenotypes provides insights for optimizing selection and mining diversity. Plant Biotechnology Journal, 2020, 18, 2456-2465.	8.3	20
9	PscB: A Browser to Explore Plant Single Cell RNA-Sequencing Data Sets. Plant Physiology, 2020, 183, 464-467.	4.8	26
10	To move or not to move: roles and specificity of plant RNA mobility. Current Opinion in Plant Biology, 2020, 57, 52-60.	7.1	34
11	Spatiotemporal Developmental Trajectories in the Arabidopsis Root Revealed Using High-Throughput Single-Cell RNA Sequencing. Developmental Cell, 2019, 48, 840-852.e5.	7.0	367
12	In Situ Localization of Small RNAs in Plants. Methods in Molecular Biology, 2019, 1932, 159-173.	0.9	0
13	A high-resolution gene expression atlas links dedicated meristem genes to key architectural traits. Genome Research, 2019, 29, 1962-1973.	5.5	35
14	Intragenic Meiotic Crossovers Generate Novel Alleles with Transgressive Expression Levels. Molecular Biology and Evolution, 2018, 35, 2762-2772.	8.9	4
15	Gating of miRNA movement at defined cell-cell interfaces governs their impact as positional signals. Nature Communications, 2018, 9, 3107.	12.8	82
16	Boundary Formation through a Direct Threshold-Based Readout of Mobile Small RNA Gradients. Developmental Cell, 2017, 43, 265-273.e6.	7.0	89
17	In Planta Single-Molecule Pull-Down Reveals Tetrameric Stoichiometry of HD-ZIPIII:LITTLE ZIPPER Complexes. Plant Cell, 2016, 28, 1783-1794.	6.6	25
18	The Sussex signal: insights into leaf dorsiventrality. Development (Cambridge), 2016, 143, 3230-3237.	2.5	52

#	Article	IF	Citations
19	Ancient trans-Acting siRNAs Confer Robustness and Sensitivity onto the Auxin Response. Developmental Cell, 2016, 36, 276-289.	7.0	44
20	The ASYMMETRIC LEAVES Complex Employs Multiple Modes of Regulation to Affect Adaxial-Abaxial Patterning and Leaf Complexity. Plant Cell, 2016, 27, 3321-3335.	6.6	72
21	Novel DICER-LIKE1 siRNAs Bypass the Requirement for DICER-LIKE4 in Maize Development. Plant Cell, 2015, 27, 2163-2177.	6.6	42
22	Genome-Wide Analysis of leafbladeless1-Regulated and Phased Small RNAs Underscores the Importance of the TAS3 ta-siRNA Pathway to Maize Development. PLoS Genetics, 2014, 10, e1004826.	3.5	49
23	Developmental patterning by gradients of mobile small RNAs. Current Opinion in Genetics and Development, 2014, 27, 83-91.	3.3	46
24	The ASYMMETRIC LEAVES complex maintains repression of KNOX homeobox genes via direct recruitment of Polycomb-repressive complex2. Genes and Development, 2013, 27, 596-601.	5.9	142
25	Plant MicroRNAs Display Differential 3' Truncation and Tailing Modifications That Are ARGONAUTE1 Dependent and Conserved Across Species. Plant Cell, 2013, 25, 2417-2428.	6.6	113
26	In situ localization of small RNAs in plants by using LNA probes. Nature Protocols, 2012, 7, 533-541.	12.0	62
27	Plant small RNAs as morphogens. Current Opinion in Cell Biology, 2012, 24, 217-224.	5.4	47
28	Small RNAs are on the move. Nature, 2010, 467, 415-419.	27.8	244
29	<i>ragged seedling2</i>Encodes an ARGONAUTE7-Like Protein Required for Mediolateral Expansion, but Not Dorsiventrality, of Maize Leaves Â. Plant Cell, 2010, 22, 1441-1451.	6.6	85
30	Pattern formation via small RNA mobility. Genes and Development, 2009, 23, 549-554.	5.9	358
31	Signals and prepatterns: new insights into organ polarity in plants. Genes and Development, 2009, 23, 1986-1997.	5.9	182
32	Regulation of Small RNA Accumulation in the Maize Shoot Apex. PLoS Genetics, 2009, 5, e1000320.	3.5	127
33	Two small regulatory RNAs establish opposing fates of a developmental axis. Genes and Development, 2007, 21, 750-755.	5.9	242
34	Specification of adaxial cell fate during maize leaf development. Development (Cambridge), 2004, 131, 4533-4544.	2.5	219
35	microRNA-mediated repression of rolled leaf1 specifies maize leaf polarity. Nature, 2004, 428, 84-88.	27.8	648
36	The expression domain of PHANTASTICA determines leaflet placement in compound leaves. Nature, 2003, 424, 438-443.	27.8	142