Xuemei Chen

List of Publications by Citations

160 papers	18,282 citations	65 h-index	134 g-index
183 ext. papers	21,629 ext. citations	10.8 avg, IF	7.12 L-index

#	Paper	IF	Citations
160	A microRNA as a translational repressor of APETALA2 in Arabidopsis flower development. *Science*, **2004**, 303, 2022-5	33.3	1374
159	A uniform system for microRNA annotation. *Rna*, **2003**, 9, 277-9	5.8	1332
158	CARPEL FACTORY, a Dicer homolog, and HEN1, a novel protein, act in microRNA metabolism in Arabidopsis thaliana. *Current Biology*, **2002**, 12, 1484-95	6.3	999
157	Criteria for annotation of plant MicroRNAs. *Plant Cell*, **2008**, 20, 3186-90	11.6	992
156	Methylation as a crucial step in plant microRNA biogenesis. *Science*, **2005**, 307, 932-5	33.3	817
155	Small RNAs and their roles in plant development. *Annual Review of Cell and Developmental Biology*, **2009**, 25, 21-44	12.6	704
154	Biogenesis, turnover, and mode of action of plant microRNAs. *Plant Cell*, **2013**, 25, 2383-99	11.6	640
153	Methylation protects miRNAs and siRNAs from a 3Send uridylation activity in Arabidopsis. *Current Biology*, **2005**, 15, 1501-7	6.3	616
152	MicroRNA biogenesis and function in plants. *FEBS Letters*, **2005**, 579, 5923-31	3.8	397
151	MicroRNAs inhibit the translation of target mRNAs on the endoplasmic reticulum in Arabidopsis. *Cell*, **2013**, 153, 562-74	56.2	353
150	HEN1 recognizes 21-24 nt small RNA duplexes and deposits a methyl group onto the 2SOH of the 3S terminal nucleotide. *Nucleic Acids Research*, **2006**, 34, 667-75	20.1	333
149	Degradation of microRNAs by a family of exoribonucleases in Arabidopsis. *Science*, **2008**, 321, 1490-2	33.3	329
148	Orchestration of the floral transition and floral development in Arabidopsis by the bifunctional transcription factor APETALA2. *Plant Cell*, **2010**, 22, 2156-70	11.6	328
147	RNAi-mediated viral immunity requires amplification of virus-derived siRNAs in Arabidopsis thaliana. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 484-9	11.5	318
146	Small RNAs serve as a genetic buffer against genomic shock in Arabidopsis interspecific hybrids and allopolyploids. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 17835-40	11.5	257
145	Arabidopsis HEN1: a genetic link between endogenous miRNA controlling development and siRNA controlling transgene silencing and virus resistance. *Current Biology*, **2003**, 13, 843-8	6.3	253
144	The FHA domain proteins DAWDLE in Arabidopsis and SNIP1 in humans act in small RNA biogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 10073-8	11.5	244

143	Effective small RNA destruction by the expression of a short tandem target mimic in Arabidopsis. *Plant Cell*, **2012**, 24, 415-27	11.6	238
142	The ShowSand SwhereSof plant microRNAs. *New Phytologist*, **2017**, 216, 1002-1017	9.8	223
141	The role of Mediator in small and long noncoding RNA production in Arabidopsis thaliana. *EMBO Journal*, **2011**, 30, 814-22	13	205
140	Intergenic transcription by RNA polymerase II coordinates Pol IV and Pol V in siRNA-directed transcriptional gene silencing in Arabidopsis. *Genes and Development*, **2009**, 23, 2850-60	12.6	200
139	AGAMOUS terminates floral stem cell maintenance in Arabidopsis by directly repressing WUSCHEL through recruitment of Polycomb Group proteins. *Plant Cell*, **2011**, 23, 3654-70	11.6	193
138	siRNAs targeting an intronic transposon in the regulation of natural flowering behavior in Arabidopsis. *Genes and Development*, **2004**, 18, 2873-8	12.6	173
137	Oomycete pathogens encode RNA silencing suppressors. *Nature Genetics*, **2013**, 45, 330-3	36.3	171
136	A histone acetyltransferase regulates active DNA demethylation in Arabidopsis. *Science*, **2012**, 336, 1445-8	33.3	157
135	Regulation of small RNA stability: methylation and beyond. *Cell Research*, **2012**, 22, 624-36	24.7	154
134	ARGONAUTE10 and ARGONAUTE1 regulate the termination of floral stem cells through two microRNAs in Arabidopsis. *PLoS Genetics*, **2011**, 7, e1001358	6	154
133	miR172 regulates stem cell fate and defines the inner boundary of APETALA3 and PISTILLATA expression domain in Arabidopsis floral meristems. *Plant Journal*, **2007**, 51, 840-9	6.9	151
132	The Arabidopsis nucleotidyl transferase HESO1 uridylates unmethylated small RNAs to trigger their degradation. *Current Biology*, **2012**, 22, 689-94	6.3	147
131	Small RNAs in development - insights from plants. *Current Opinion in Genetics and Development*, **2012**, 22, 361-7	4.9	147
130	Small RNA metabolism in Arabidopsis. *Trends in Plant Science*, **2008**, 13, 368-74	13.1	141
129	Two RNA binding proteins, HEN4 and HUA1, act in the processing of AGAMOUS pre-mRNA in Arabidopsis thaliana. *Developmental Cell*, **2003**, 4, 53-66	10.2	137
128	HUA1, a regulator of stamen and carpel identities in Arabidopsis, codes for a nuclear RNA binding protein. *Plant Cell*, **2001**, 13, 2269-81	11.6	132
127	DICER-LIKE2 plays a primary role in transitive silencing of transgenes in Arabidopsis. *PLoS ONE*, **2008**, 3, e1755	3.7	126
126	Uridylation of miRNAs by hen1 suppressor1 in Arabidopsis. *Current Biology*, **2012**, 22, 695-700	6.3	122

125	Concerted genomic targeting of H3K27 demethylase REF6 and chromatin-remodeling ATPase BRM in Arabidopsis. *Nature Genetics*, **2016**, 48, 687-93	36.3	122
124	Genome-wide analysis reveals rapid and dynamic changes in miRNA and siRNA sequence and expression during ovule and fiber development in allotetraploid cotton (Gossypium hirsutum L.). *Genome Biology*, **2009**, 10, R122	18.3	114
123	NOT2 proteins promote polymerase II-dependent transcription and interact with multiple MicroRNA biogenesis factors in Arabidopsis. *Plant Cell*, **2013**, 25, 715-27	11.6	113
122	Structural insights into mechanisms of the small RNA methyltransferase HEN1. *Nature*, **2009**, 461, 823-7	50.4	110
121	Detection of Pol IV/RDR2-dependent transcripts at the genomic scale in Arabidopsis reveals features and regulation of siRNA biogenesis. *Genome Research*, **2015**, 25, 235-45	9.7	105
120	HEN1functions pleiotropically inArabidopsisdevelopment and acts in C function in the flower. *Development (Cambridge)*, **2002**, 129, 1085-1094	6.6	103
119	A Phytophthora Effector Suppresses Trans-Kingdom RNAi to Promote Disease Susceptibility. *Cell Host and Microbe*, **2019**, 25, 153-165.e5	23.4	98
118	Small RNA-directed epigenetic natural variation in Arabidopsis thaliana. *PLoS Genetics*, **2008**, 4, e1000056		96
117	Roles of small RNAs in soybean defense against Phytophthora sojae infection. *Plant Journal*, **2014**, 79, 928-40	6.9	95
116	HEN1 functions pleiotropically in Arabidopsis development and acts in C function in the flower. *Development (Cambridge)*, **2002**, 129, 1085-94	6.6	95
115	Transgenically expressed viral RNA silencing suppressors interfere with microRNA methylation in Arabidopsis. *FEBS Letters*, **2006**, 580, 3117-20	3.8	92
114	Plant Noncoding RNAs: Hidden Players in Development and Stress Responses. *Annual Review of Cell and Developmental Biology*, **2019**, 35, 407-431	12.6	90
113	Small RNAs - secrets and surprises of the genome. *Plant Journal*, **2010**, 61, 941-58	6.9	90
112	Biochemical activities of Arabidopsis RNA-dependent RNA polymerase 6. *Journal of Biological Chemistry*, **2008**, 283, 3059-3066	5.4	89
111	The evolution of microRNAs in plants. *Current Opinion in Plant Biology*, **2017**, 35, 61-67	9.9	87
110	Methylation protects microRNAs from an AGO1-associated activity that uridylates 5SRNA fragments generated by AGO1 cleavage. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 6365-70	11.5	85
109	HUA ENHANCER3 reveals a role for a cyclin-dependent protein kinase in the specification of floral organ identity in Arabidopsis. *Development (Cambridge)*, **2004**, 131, 3147-56	6.6	84
108	Plant microRNAs display differential 3Struncation and tailing modifications that are ARGONAUTE1 dependent and conserved across species. *Plant Cell*, **2013**, 25, 2417-28	11.6	82

107	Function of the Chlamydomonas reinhardtii petd 5Suntranslated region in regulating the accumulation of subunit IV of the cytochrome b6/f complex. *Plant Journal*, **1994**, 6, 503-12	6.9	81
106	AUXIN RESPONSE FACTOR 3 integrates the functions of AGAMOUS and APETALA2 in floral meristem determinacy. *Plant Journal*, **2014**, 80, 629-41	6.9	79
105	HUA1 and HUA2 are two members of the floral homeotic AGAMOUS pathway. *Molecular Cell*, **1999**, 3, 349-60	17.6	77
104	Biogenesis of phased siRNAs on membrane-bound polysomes in Arabidopsis. *ELife*, **2016**, 5,	8.9	75
103	Floral patterning defects induced by Arabidopsis APETALA2 and microRNA172 expression in Nicotiana benthamiana. *Plant Molecular Biology*, **2006**, 61, 781-93	4.6	74
102	MicroRNA metabolism in plants. *Current Topics in Microbiology and Immunology*, **2008**, 320, 117-36	3.3	73
101	Dynamics of histone H3 lysine 27 trimethylation in plant development. *Current Opinion in Plant Biology*, **2011**, 14, 123-9	9.9	71
100	Intercellular and systemic trafficking of RNAs in plants. *Nature Plants*, **2018**, 4, 869-878	11.5	68
99	The anaphase-promoting complex is a dual integrator that regulates both MicroRNA-mediated transcriptional regulation of cyclin B1 and degradation of Cyclin B1 during Arabidopsis male gametophyte development. *Plant Cell*, **2011**, 23, 1033-46	11.6	66
98	Distinct and cooperative activities of HESO1 and URT1 nucleotidyl transferases in microRNA turnover in Arabidopsis. *PLoS Genetics*, **2015**, 11, e1005119	6	65
97	The Arabidopsis SWI2/SNF2 chromatin Remodeler BRAHMA regulates polycomb function during vegetative development and directly activates the flowering repressor gene SVP. *PLoS Genetics*, **2015**, 11, e1004944	6	65
96	LEUNIG and SEUSS co-repressors regulate miR172 expression in Arabidopsis flowers. *Development (Cambridge)*, **2011**, 138, 2451-6	6.6	63
95	POWERDRESS and HDA9 interact and promote histone H3 deacetylation at specific genomic sites in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 14858-14863	11.5	61
94	RNA polymerase V-dependent small RNAs in Arabidopsis originate from small, intergenic loci including most SINE repeats. *Epigenetics*, **2012**, 7, 781-95	5.7	60
93	The floral homeotic protein APETALA2 recognizes and acts through an AT-rich sequence element. *Development (Cambridge)*, **2012**, 139, 1978-86	6.6	59
92	ARGONAUTE10 promotes the degradation of miR165/6 through the SDN1 and SDN2 exonucleases in Arabidopsis. *PLoS Biology*, **2017**, 15, e2001272	9.7	56
91	POWERDRESS and diversified expression of the MIR172 gene family bolster the floral stem cell network. *PLoS Genetics*, **2013**, 9, e1003218	6	55
90	MicroRNA-mediated repression of the seed maturation program during vegetative development in Arabidopsis. *PLoS Genetics*, **2012**, 8, e1003091	6	55

89	Conservation and divergence of small RNA pathways and microRNAs in land plants. *Genome Biology* , **2017**, 18, 158	18.3	54
88	Traffic into silence: endomembranes and post-transcriptional RNA silencing. *EMBO Journal*, **2014**, 33, 968-80	13	53
87	Synergistic and independent actions of multiple terminal nucleotidyl transferases in the 3Stailing of small RNAs in Arabidopsis. *PLoS Genetics*, **2015**, 11, e1005091	6	52
86	Ancient Origin and Recent Innovations of RNA Polymerase IV and V. *Molecular Biology and Evolution* , **2015**, 32, 1788-99	8.3	51
85	siRNAs compete with miRNAs for methylation by HEN1 in Arabidopsis. *Nucleic Acids Research*, **2010**, 38, 5844-50	20.1	50
84	RNA Quality Control as a Key to Suppressing RNA Silencing of Endogenous Genes in Plants. *Molecular Plant*, **2016**, 9, 826-36	14.4	49
83	PAUSED, a putative exportin-t, acts pleiotropically in Arabidopsis development but is dispensable for viability. *Plant Physiology*, **2003**, 132, 1913-24	6.6	48
82	suppresses megasporocyte cell fate through SWR1-mediated activation of expression in. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E526-E535	11.5	45
81	Mechanisms of microRNA turnover. *Current Opinion in Plant Biology*, **2015**, 27, 199-206	9.9	44
80	The THO Complex Non-Cell-Autonomously Represses Female Germline Specification through the TAS3-ARF3 Module. *Current Biology*, **2017**, 27, 1597-1609.e2	6.3	41
79	NAD-capped RNAs are widespread in the transcriptome and can probably be translated. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 12094-12102	11.5	41
78	The exosome and trans-acting small interfering RNAs regulate cuticular wax biosynthesis during Arabidopsis inflorescence stem development. *Plant Physiology*, **2015**, 167, 323-36	6.6	40
77	Genome-wide analysis of microRNAs in rubber tree (Hevea brasiliensis L.) using high-throughput sequencing. *Planta*, **2012**, 236, 437-45	4.7	40
76	HUA ENHANCER2, a putative DExH-box RNA helicase, maintains homeotic B and C gene expression inArabidopsis. *Development (Cambridge)*, **2002**, 129, 1569-1581	6.6	40
75	The Arabidopsis MOS4-Associated Complex Promotes MicroRNA Biogenesis and Precursor Messenger RNA Splicing. *Plant Cell*, **2017**, 29, 2626-2643	11.6	37
74	APETALA2 antagonizes the transcriptional activity of AGAMOUS in regulating floral stem cells in Arabidopsis thaliana. *New Phytologist*, **2017**, 215, 1197-1209	9.8	37
73	Transcriptional silencing induced by Arabidopsis T-DNA mutants is associated with 35S promoter siRNAs and requires genes involved in siRNA-mediated chromatin silencing. *Plant Journal*, **2010**, 64, 699-704	6.9	37
72	The disease resistance protein SNC1 represses the biogenesis of microRNAs and phased siRNAs. *Nature Communications*, **2018**, 9, 5080	17.4	37

71	Computational prediction of novel non-coding RNAs in Arabidopsis thaliana. *BMC Bioinformatics*, **2009**, 10 Suppl 1, S36	3.6	35
70	A Resource for Inactivation of MicroRNAs Using Short Tandem Target Mimic Technology in Model and Crop Plants. *Molecular Plant*, **2018**, 11, 1400-1417	14.4	34
69	NAD tagSeq reveals that NAD-capped RNAs are mostly produced from a large number of protein-coding genes in. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 12072-12077	11.5	33
68	The PROTEIN PHOSPHATASE4 Complex Promotes Transcription and Processing of Primary microRNAs in Arabidopsis. *Plant Cell*, **2019**, 31, 486-501	11.6	29
67	DNA topoisomerase I affects polycomb group protein-mediated epigenetic regulation and plant development by altering nucleosome distribution in Arabidopsis. *Plant Cell*, **2014**, 26, 2803-17	11.6	29
66	Linking key steps of microRNA biogenesis by TREX-2 and the nuclear pore complex in Arabidopsis. *Nature Plants*, **2020**, 6, 957-969	11.5	29
65	Approaches for studying microRNA and small interfering RNA methylation in vitro and in vivo. *Methods in Enzymology*, **2007**, 427, 139-54	1.7	28
64	Posttranscriptional control of plant development. *Current Opinion in Plant Biology*, **2004**, 7, 20-5	9.9	28
63	PARylation of the forkhead-associated domain protein DAWDLE regulates plant immunity. *EMBO Reports*, **2016**, 17, 1799-1813	6.5	27
62	SUVH1, a Su(var)3-9 family member, promotes the expression of genes targeted by DNA methylation. *Nucleic Acids Research*, **2016**, 44, 608-20	20.1	27
61	Biogenesis of a 22-nt microRNA in Phaseoleae species by precursor-programmed uridylation. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 8037-8042	11.5	27
60	PANDORA-seq expands the repertoire of regulatory small RNAs by overcoming RNA modifications. *Nature Cell Biology*, **2021**, 23, 424-436	23.4	25
59	HUA ENHANCER2, a putative DExH-box RNA helicase, maintains homeotic B and C gene expression in Arabidopsis. *Development (Cambridge)*, **2002**, 129, 1569-81	6.6	23
58	FAR-RED ELONGATED HYPOCOTYL3 activates SEPALLATA2 but inhibits CLAVATA3 to regulate meristem determinacy and maintenance in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 9375-80	11.5	23
57	Genome-Wide Transcript and Small RNA Profiling Reveals Transcriptomic Responses to Heat Stress. *Plant Physiology*, **2019**, 181, 609-629	6.6	22
56	Uridylation and adenylation of RNAs. *Science China Life Sciences*, **2015**, 58, 1057-66	8.5	21
55	Small RNAs meet their targets: when methylation defends miRNAs from uridylation. *RNA Biology*, **2014**, 11, 1099-104	4.8	21
54	A genetic screen for modifiers of UFO meristem activity identifies three novel FUSED FLORAL ORGANS genes required for early flower development in Arabidopsis. *Genetics*, **1998**, 149, 579-95	4	21

53	YTHDF2 Binds to 5-Methylcytosine in RNA and Modulates the Maturation of Ribosomal RNA. *Analytical Chemistry*, **2020**, 92, 1346-1354	7.8	21
52	TarHunter, a tool for predicting conserved microRNA targets and target mimics in plants. *Bioinformatics*, **2018**, 34, 1574-1576	7.2	19
51	Minimal regions in the Arabidopsis PISTILLATA promoter responsive to the APETALA3/PISTILLATA feedback control do not contain a CArG box. *Sexual Plant Reproduction*, **2000**, 13, 85-94		19
50	A silencing safeguard: links between RNA silencing and mRNA processing in Arabidopsis. *Developmental Cell*, **2008**, 14, 811-2	10.2	18
49	FIERY1 promotes microRNA accumulation by suppressing rRNA-derived small interfering RNAs in Arabidopsis. *Nature Communications*, **2019**, 10, 4424	17.4	17
48	Regulation of Female Germline Specification via Small RNA Mobility in Arabidopsis. *Plant Cell*, **2020**, 32, 2842-2854	11.6	17
47	Transcriptional landscapes of Axolotl (Ambystoma mexicanum). *Developmental Biology*, **2018**, 433, 227-239	3.1	16
46	Fast-suppressor screening for new components in protein trafficking, organelle biogenesis and silencing pathway in Arabidopsis thaliana using DEX-inducible FREE1-RNAi plants. *Journal of Genetics and Genomics*, **2015**, 42, 319-30	4	16
45	DNA topoisomerase 1α promotes transcriptional silencing of transposable elements through DNA methylation and histone lysine 9 dimethylation in Arabidopsis. *PLoS Genetics*, **2014**, 10, e1004446	6	16
44	Global Co-transcriptional Splicing in Arabidopsis and the Correlation with Splicing Regulation in Mature RNAs. *Molecular Plant*, **2020**, 13, 266-277	14.4	16
43	Verification of DNA motifs in Arabidopsis using CRISPR/Cas9-mediated mutagenesis. *Plant Biotechnology Journal*, **2018**, 16, 1446-1451	11.6	15
42	HSP90 inhibitors stimulate DNAJB4 protein expression through a mechanism involving N-methyladenosine. *Nature Communications*, **2019**, 10, 3613	17.4	15
41	Noncoding RNAs and DNA Methylation in Plants. *National Science Review*, **2014**, 1, 219-229	10.8	15
40	Linkage mapping and expression analysis of miRNAs and their target genes during fiber development in cotton. *BMC Genomics*, **2013**, 14, 706	4.5	15
39	Analysis of miRNA Modifications. *Methods in Molecular Biology*, **2010**, 592, 137-48	1.4	15
38	A partial loss-of-function mutation in an Arabidopsis RNA polymerase III subunit leads to pleiotropic defects. *Journal of Experimental Botany*, **2016**, 67, 2219-30	7	14
37	RST1 Is a FREE1 Suppressor That Negatively Regulates Vacuolar Trafficking in Arabidopsis. *Plant Cell*, **2019**, 31, 2152-2168	11.6	13
36	Trip to ER: MicroRNA-mediated translational repression in plants. *RNA Biology*, **2013**, 10, 1586-92	4.8	13

35	Plant and animal small RNA communications between cells and organisms. *Nature Reviews Molecular Cell Biology*, **2021**,	48.7	13
34	A dominant mutation in the Chlamydomonas reinhardtii nuclear gene SIM30 suppresses translational defects caused by initiation codon mutations in chloroplast genes. *Genetics*, **1997**, 145, 935-43	4	13
33	The plant Mediator and its role in noncoding RNA production. *Frontiers in Biology*, **2011**, 6, 125-132		12
32	The MBD7 complex promotes expression of methylated transgenes without significantly altering their methylation status. *ELife*, **2017**, 6,	8.9	12
31	Arabidopsis DXO1 possesses deNADding and exonuclease activities and its mutation affects defense-related and photosynthetic gene expression. *Journal of Integrative Plant Biology*, **2020**, 62, 967-983	8.3	12
30	Generation of a luciferase-based reporter for CHH and CG DNA methylation in Arabidopsis thaliana. *Silence: A Journal of RNA Regulation*, **2013**, 4, 1		11
29	Prevalent cytidylation and uridylation of precursor miRNAs in Arabidopsis. *Nature Plants*, **2019**, 5, 1260-1272	12.3	10
28	Widespread occurrence of microRNA-mediated target cleavage on membrane-bound polysomes. *Genome Biology*, **2021**, 22, 15	18.3	10
27	Increasing the efficiency of CRISPR/Cas9-based gene editing by suppressing RNAi in plants. *Science China Life Sciences*, **2019**, 62, 982-984	8.5	9
26	Structural and biochemical insights into small RNA 3Send trimming by Arabidopsis SDN1. *Nature Communications*, **2018**, 9, 3585	17.4	9
25	Development of a luciferase-based reporter of transcriptional gene silencing that enables bidirectional mutant screening in Arabidopsis thaliana. *Silence: A Journal of RNA Regulation*, **2012**, 3, 6		8
24	Genetic screens for floral mutants in Arabidopsis thaliana: enhancers and suppressors. *Methods in Molecular Biology*, **2014**, 1110, 127-56	1.4	7
23	Regulation of ARGONAUTE10 Expression Enables Temporal and Spatial Precision in Axillary Meristem Initiation in Arabidopsis. *Developmental Cell*, **2020**, 55, 603-616.e5	10.2	6
22	Hybrid Decay: A Transgenerational Epigenetic Decline in Vigor and Viability Triggered in Backcross Populations of Teosinte with Maize. *Genetics*, **2019**, 213, 143-160	4	6
21	Use of NAD tagSeq II to identify growth phase-dependent alterations in RNA NAD capping. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	5
20	SPAAC-NAD-seq, a sensitive and accurate method to profile NAD-capped transcripts. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	5
19	HUA1, a Regulator of Stamen and Carpel Identities in Arabidopsis, Codes for a Nuclear RNA Binding Protein. *Plant Cell*, **2001**, 13, 2269	11.6	3
18	Spatiotemporal control of miR398 biogenesis, via chromatin remodeling and kinase signaling, ensures proper ovule development. *Plant Cell*, **2021**, 33, 1530-1553	11.6	3

17	Microtubules promote the non-cell autonomous action of microRNAs by inhibiting their cytoplasmic loading onto ARGONAUTE1 in Arabidopsis.. *Developmental Cell*, **2022**,	10.2	3
16	Biogenesis of a young, 22-nt microRNA in Phaseoleae species by precursor-programmed uridylation		2
15	Arabidopsis paralogous genes RPL23aA and RPL23aB encode functionally equivalent proteins. *BMC Plant Biology*, **2020**, 20, 463	5.3	2
14	High resolution RNA-seq profiling of genes encoding ribosomal proteins across different organs and developmental stages in. *Plant Direct*, **2021**, 5, e00320	3.3	2
13	Secrets of the MIR172 family in plant development and flowering unveiled. *PLoS Biology*, **2021**, 19, e3001099	9.7	2
12	Direct photoresponsive inhibition of a p53-like transcription activation domain in PIF3 by Arabidopsis phytochrome B. *Nature Communications*, **2021**, 12, 5614	17.4	2
11	Small RNAs in Plants **2014**, 95-127		1
10	Chemical genetic screens using Arabidopsis thaliana seedlings grown on solid medium. *Methods in Molecular Biology*, **2015**, 1263, 111-25	1.4	1
9	Genome-wide mRNA and small RNA transcriptome profiles uncover cultivar- and tissue-specific changes induced by cadmium in Brassica parachinensis. *Environmental and Experimental Botany*, **2020**, 180, 104207	5.9	1
8	Protein arginine methyltransferase 3 fine-tunes the assembly/disassembly of pre-ribosomes to repress nucleolar stress by interacting with RPS2B in arabidopsis. *Molecular Plant*, **2021**, 14, 223-236	14.4	1
7	TRANS-ACTING SIRNA3-derived short interfering RNAs confer cleavage of mRNAs in rice. *Plant Physiology*, **2021**,	6.6	1
6	Arabidopsis RBV is a conserved WD40 repeat protein that promotes microRNA biogenesis and ARGONAUTE1 loading.. *Nature Communications*, **2022**, 13, 1217	17.4	1
5	NAD+-capped RNAs are widespread in rice (Oryza sativa) and spatiotemporally modulated during development. *Science China Life Sciences*,	8.5	1
4	Endogenous Small RNA Pathways in Arabidopsis **2009**, 197-214		
3	Small RNA metabolism and function in Arabidopsis. *FASEB Journal*, **2009**, 23, 194.1	0.9	
2	Structural insights into mechanisms of the small RNA methyltransferase HEN1. *FASEB Journal*, **2010**, 24, 499.6	0.9	
1	Nucleus and Genome: Small RNAs **2013**, 1-30		