

# Xuemei Chen

## List of Publications by Year in Descending Order

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**Version:** 2024-04-03

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Arabidopsis RBV is a conserved WD40 repeat protein that promotes microRNA biogenesis and ARGONAUTE1 loading.. <i>Nature Communications</i> , <b>2022</b> , 13, 1217	17.4	1
159	Microtubules promote the non-cell autonomous action of microRNAs by inhibiting their cytoplasmic loading onto ARGONAUTE1 in Arabidopsis.. <i>Developmental Cell</i> , <b>2022</b> ,	10.2	3
158	Plant and animal small RNA communications between cells and organisms. <i>Nature Reviews Molecular Cell Biology</i> , <b>2021</b> ,	48.7	13
157	Use of NAD tagSeq II to identify growth phase-dependent alterations in RNA NAD capping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	5
156	PANDORA-seq expands the repertoire of regulatory small RNAs by overcoming RNA modifications. <i>Nature Cell Biology</i> , <b>2021</b> , 23, 424-436	23.4	25
155	High resolution RNA-seq profiling of genes encoding ribosomal proteins across different organs and developmental stages in. <i>Plant Direct</i> , <b>2021</b> , 5, e00320	3.3	2
154	Protein arginine methyltransferase 3 fine-tunes the assembly/disassembly of pre-ribosomes to repress nucleolar stress by interacting with RPS2B in arabidopsis. <i>Molecular Plant</i> , <b>2021</b> , 14, 223-236	14.4	1
153	Widespread occurrence of microRNA-mediated target cleavage on membrane-bound polysomes. <i>Genome Biology</i> , <b>2021</b> , 22, 15	18.3	10
152	Spatiotemporal control of miR398 biogenesis, via chromatin remodeling and kinase signaling, ensures proper ovule development. <i>Plant Cell</i> , <b>2021</b> , 33, 1530-1553	11.6	3
151	Secrets of the MIR172 family in plant development and flowering unveiled. <i>PLoS Biology</i> , <b>2021</b> , 19, e3001099	10.9	2
150	SPAAC-NAD-seq, a sensitive and accurate method to profile NAD-capped transcripts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	5
149	TRANS-ACTING SIRNA3-derived short interfering RNAs confer cleavage of mRNAs in rice. <i>Plant Physiology</i> , <b>2021</b> ,	6.6	1
148	Direct photoresponsive inhibition of a p53-like transcription activation domain in PIF3 by Arabidopsis phytochrome B. <i>Nature Communications</i> , <b>2021</b> , 12, 5614	17.4	2
147	YTHDF2 Binds to 5-Methylcytosine in RNA and Modulates the Maturation of Ribosomal RNA. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 1346-1354	7.8	21
146	Global Co-transcriptional Splicing in Arabidopsis and the Correlation with Splicing Regulation in Mature RNAs. <i>Molecular Plant</i> , <b>2020</b> , 13, 266-277	14.4	16
145	Linking key steps of microRNA biogenesis by TREX-2 and the nuclear pore complex in Arabidopsis. <i>Nature Plants</i> , <b>2020</b> , 6, 957-969	11.5	29
144	Regulation of ARGONAUTE10 Expression Enables Temporal and Spatial Precision in Axillary Meristem Initiation in Arabidopsis. <i>Developmental Cell</i> , <b>2020</b> , 55, 603-616.e5	10.2	6

143	Genome-wide mRNA and small RNA transcriptome profiles uncover cultivar- and tissue-specific changes induced by cadmium in <i>Brassica parachinensis</i> . <i>Environmental and Experimental Botany</i> , <b>2020</b> , 180, 104207	5.9	1
142	Regulation of Female Germline Specification via Small RNA Mobility in Arabidopsis. <i>Plant Cell</i> , <b>2020</b> , 32, 2842-2854	11.6	17
141	Arabidopsis paralogous genes RPL23aA and RPL23aB encode functionally equivalent proteins. <i>BMC Plant Biology</i> , <b>2020</b> , 20, 463	5.3	2
140	Arabidopsis DXO1 possesses deNADding and exonuclease activities and its mutation affects defense-related and photosynthetic gene expression. <i>Journal of Integrative Plant Biology</i> , <b>2020</b> , 62, 967-983	8.3	12
139	FIERY1 promotes microRNA accumulation by suppressing rRNA-derived small interfering RNAs in Arabidopsis. <i>Nature Communications</i> , <b>2019</b> , 10, 4424	17.4	17
138	The PROTEIN PHOSPHATASE4 Complex Promotes Transcription and Processing of Primary microRNAs in Arabidopsis. <i>Plant Cell</i> , <b>2019</b> , 31, 486-501	11.6	29
137	RST1 Is a FREE1 Suppressor That Negatively Regulates Vacuolar Trafficking in Arabidopsis. <i>Plant Cell</i> , <b>2019</b> , 31, 2152-2168	11.6	13
136	NAD-capped RNAs are widespread in the transcriptome and can probably be translated. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 12094-12102	11.5	41
135	NAD tagSeq reveals that NAD-capped RNAs are mostly produced from a large number of protein-coding genes in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 12072-12077	11.5	33
134	Increasing the efficiency of CRISPR/Cas9-based gene editing by suppressing RNAi in plants. <i>Science China Life Sciences</i> , <b>2019</b> , 62, 982-984	8.5	9
133	HSP90 inhibitors stimulate DNAJB4 protein expression through a mechanism involving N-methyladenosine. <i>Nature Communications</i> , <b>2019</b> , 10, 3613	17.4	15
132	Genome-Wide Transcript and Small RNA Profiling Reveals Transcriptomic Responses to Heat Stress. <i>Plant Physiology</i> , <b>2019</b> , 181, 609-629	6.6	22
131	Plant Noncoding RNAs: Hidden Players in Development and Stress Responses. <i>Annual Review of Cell and Developmental Biology</i> , <b>2019</b> , 35, 407-431	12.6	90
130	Hybrid Decay: A Transgenerational Epigenetic Decline in Vigor and Viability Triggered in Backcross Populations of Teosinte with Maize. <i>Genetics</i> , <b>2019</b> , 213, 143-160	4	6
129	Prevalent cytidylation and uridylation of precursor miRNAs in Arabidopsis. <i>Nature Plants</i> , <b>2019</b> , 5, 1260-1272	12.3	10
128	A Phytophthora Effector Suppresses Trans-Kingdom RNAi to Promote Disease Susceptibility. <i>Cell Host and Microbe</i> , <b>2019</b> , 25, 153-165.e5	23.4	98
127	Transcriptional landscapes of Axolotl ( <i>Ambystoma mexicanum</i> ). <i>Developmental Biology</i> , <b>2018</b> , 433, 227-239	3.9	16
126	suppresses megasporocyte cell fate through SWR1-mediated activation of expression in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E526-E535	11.5	45

125	Verification of DNA motifs in Arabidopsis using CRISPR/Cas9-mediated mutagenesis. <i>Plant Biotechnology Journal</i> , <b>2018</b> , 16, 1446-1451	11.6	15
124	TarHunter, a tool for predicting conserved microRNA targets and target mimics in plants. <i>Bioinformatics</i> , <b>2018</b> , 34, 1574-1576	7.2	19
123	Biogenesis of a 22-nt microRNA in Phaseoleae species by precursor-programmed uridylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 8037-8042	11.5	27
122	The disease resistance protein SNC1 represses the biogenesis of microRNAs and phased siRNAs. <i>Nature Communications</i> , <b>2018</b> , 9, 5080	17.4	37
121	Intercellular and systemic trafficking of RNAs in plants. <i>Nature Plants</i> , <b>2018</b> , 4, 869-878	11.5	68
120	A Resource for Inactivation of MicroRNAs Using Short Tandem Target Mimic Technology in Model and Crop Plants. <i>Molecular Plant</i> , <b>2018</b> , 11, 1400-1417	14.4	34
119	Structural and biochemical insights into small RNA 3' end trimming by Arabidopsis SDN1. <i>Nature Communications</i> , <b>2018</b> , 9, 3585	17.4	9
118	The THO Complex Non-Cell-Autonomously Represses Female Germline Specification through the TAS3-ARF3 Module. <i>Current Biology</i> , <b>2017</b> , 27, 1597-1609.e2	6.3	41
117	The Arabidopsis MOS4-Associated Complex Promotes MicroRNA Biogenesis and Precursor Messenger RNA Splicing. <i>Plant Cell</i> , <b>2017</b> , 29, 2626-2643	11.6	37
116	The ShowSand WhereSof plant microRNAs. <i>New Phytologist</i> , <b>2017</b> , 216, 1002-1017	9.8	223
115	Conservation and divergence of small RNA pathways and microRNAs in land plants. <i>Genome Biology</i> , <b>2017</b> , 18, 158	18.3	54
114	APETALA2 antagonizes the transcriptional activity of AGAMOUS in regulating floral stem cells in Arabidopsis thaliana. <i>New Phytologist</i> , <b>2017</b> , 215, 1197-1209	9.8	37
113	The evolution of microRNAs in plants. <i>Current Opinion in Plant Biology</i> , <b>2017</b> , 35, 61-67	9.9	87
112	ARGONAUTE10 promotes the degradation of miR165/6 through the SDN1 and SDN2 exonucleases in Arabidopsis. <i>PLoS Biology</i> , <b>2017</b> , 15, e2001272	9.7	56
111	The MBD7 complex promotes expression of methylated transgenes without significantly altering their methylation status. <i>ELife</i> , <b>2017</b> , 6,	8.9	12
110	PARYlation of the forkhead-associated domain protein DAWDLE regulates plant immunity. <i>EMBO Reports</i> , <b>2016</b> , 17, 1799-1813	6.5	27
109	A partial loss-of-function mutation in an Arabidopsis RNA polymerase III subunit leads to pleiotropic defects. <i>Journal of Experimental Botany</i> , <b>2016</b> , 67, 2219-30	7	14
108	SUVH1, a Su(var)3-9 family member, promotes the expression of genes targeted by DNA methylation. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 608-20	20.1	27

107	Biogenesis of phased siRNAs on membrane-bound polysomes in Arabidopsis. <i>ELife</i> , <b>2016</b> , 5,	8.9	75
106	POWERDRESS and HDA9 interact and promote histone H3 deacetylation at specific genomic sites in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 14858-14863	11.5	61
105	RNA Quality Control as a Key to Suppressing RNA Silencing of Endogenous Genes in Plants. <i>Molecular Plant</i> , <b>2016</b> , 9, 826-36	14.4	49
104	Concerted genomic targeting of H3K27 demethylase REF6 and chromatin-remodeling ATPase BRM in Arabidopsis. <i>Nature Genetics</i> , <b>2016</b> , 48, 687-93	36.3	122
103	FAR-RED ELONGATED HYPOCOTYL3 activates SEPALLATA2 but inhibits CLAVATA3 to regulate meristem determinacy and maintenance in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 9375-80	11.5	23
102	Distinct and cooperative activities of HESO1 and URT1 nucleotidyl transferases in microRNA turnover in Arabidopsis. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005119	6	65
101	Synergistic and independent actions of multiple terminal nucleotidyl transferases in the 3' tailing of small RNAs in Arabidopsis. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005091	6	52
100	The Arabidopsis SWI2/SNF2 chromatin Remodeler BRAHMA regulates polycomb function during vegetative development and directly activates the flowering repressor gene SVP. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1004944	6	65
99	Mechanisms of microRNA turnover. <i>Current Opinion in Plant Biology</i> , <b>2015</b> , 27, 199-206	9.9	44
98	Detection of Pol IV/RDR2-dependent transcripts at the genomic scale in Arabidopsis reveals features and regulation of siRNA biogenesis. <i>Genome Research</i> , <b>2015</b> , 25, 235-45	9.7	105
97	The exosome and trans-acting small interfering RNAs regulate cuticular wax biosynthesis during Arabidopsis inflorescence stem development. <i>Plant Physiology</i> , <b>2015</b> , 167, 323-36	6.6	40
96	Fast-suppressor screening for new components in protein trafficking, organelle biogenesis and silencing pathway in Arabidopsis thaliana using DEX-inducible FREE1-RNAi plants. <i>Journal of Genetics and Genomics</i> , <b>2015</b> , 42, 319-30	4	16
95	Ancient Origin and Recent Innovations of RNA Polymerase IV and V. <i>Molecular Biology and Evolution</i> , <b>2015</b> , 32, 1788-99	8.3	51
94	Uridylation and adenylation of RNAs. <i>Science China Life Sciences</i> , <b>2015</b> , 58, 1057-66	8.5	21
93	Chemical genetic screens using Arabidopsis thaliana seedlings grown on solid medium. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1263, 111-25	1.4	1
92	Traffic into silence: endomembranes and post-transcriptional RNA silencing. <i>EMBO Journal</i> , <b>2014</b> , 33, 968-80	13	53
91	DNA topoisomerase I affects polycomb group protein-mediated epigenetic regulation and plant development by altering nucleosome distribution in Arabidopsis. <i>Plant Cell</i> , <b>2014</b> , 26, 2803-17	11.6	29
90	Small RNAs in Plants <b>2014</b> , 95-127		1

89	AUXIN RESPONSE FACTOR 3 integrates the functions of AGAMOUS and APETALA2 in floral meristem determinacy. <i>Plant Journal</i> , <b>2014</b> , 80, 629-41	6.9	79
88	Roles of small RNAs in soybean defense against <i>Phytophthora sojae</i> infection. <i>Plant Journal</i> , <b>2014</b> , 79, 928-40	6.9	95
87	Small RNAs meet their targets: when methylation defends miRNAs from uridylation. <i>RNA Biology</i> , <b>2014</b> , 11, 1099-104	4.8	21
86	DNA topoisomerase 1 promotes transcriptional silencing of transposable elements through DNA methylation and histone lysine 9 dimethylation in <i>Arabidopsis</i> . <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004446	6	16
85	Noncoding RNAs and DNA Methylation in Plants. <i>National Science Review</i> , <b>2014</b> , 1, 219-229	10.8	15
84	Methylation protects microRNAs from an AGO1-associated activity that uridylates 5SRNA fragments generated by AGO1 cleavage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 6365-70	11.5	85
83	Genetic screens for floral mutants in <i>Arabidopsis thaliana</i> : enhancers and suppressors. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1110, 127-56	1.4	7
82	Generation of a luciferase-based reporter for CHH and CG DNA methylation in <i>Arabidopsis thaliana</i> . <i>Silence: A Journal of RNA Regulation</i> , <b>2013</b> , 4, 1		11
81	Biogenesis, turnover, and mode of action of plant microRNAs. <i>Plant Cell</i> , <b>2013</b> , 25, 2383-99	11.6	640
80	NOT2 proteins promote polymerase II-dependent transcription and interact with multiple MicroRNA biogenesis factors in <i>Arabidopsis</i> . <i>Plant Cell</i> , <b>2013</b> , 25, 715-27	11.6	113
79	Oomycete pathogens encode RNA silencing suppressors. <i>Nature Genetics</i> , <b>2013</b> , 45, 330-3	36.3	171
78	POWERDRESS and diversified expression of the MIR172 gene family bolster the floral stem cell network. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003218	6	55
77	MicroRNAs inhibit the translation of target mRNAs on the endoplasmic reticulum in <i>Arabidopsis</i> . <i>Cell</i> , <b>2013</b> , 153, 562-74	56.2	353
76	Trip to ER: MicroRNA-mediated translational repression in plants. <i>RNA Biology</i> , <b>2013</b> , 10, 1586-92	4.8	13
75	Plant microRNAs display differential 3' truncation and tailing modifications that are ARGONAUTE1 dependent and conserved across species. <i>Plant Cell</i> , <b>2013</b> , 25, 2417-28	11.6	82
74	Linkage mapping and expression analysis of miRNAs and their target genes during fiber development in cotton. <i>BMC Genomics</i> , <b>2013</b> , 14, 706	4.5	15
73	Nucleus and Genome: Small RNAs <b>2013</b> , 1-30		
72	The <i>Arabidopsis</i> nucleotidyl transferase HESO1 uridylates unmethylated small RNAs to trigger their degradation. <i>Current Biology</i> , <b>2012</b> , 22, 689-94	6.3	147

71	Uridylation of miRNAs by hen1 suppressor1 in Arabidopsis. <i>Current Biology</i> , <b>2012</b> , 22, 695-700	6.3	122
70	Small RNAs in development - insights from plants. <i>Current Opinion in Genetics and Development</i> , <b>2012</b> , 22, 361-7	4.9	147
69	Genome-wide analysis of microRNAs in rubber tree ( <i>Hevea brasiliensis</i> L.) using high-throughput sequencing. <i>Planta</i> , <b>2012</b> , 236, 437-45	4.7	40
68	Effective small RNA destruction by the expression of a short tandem target mimic in Arabidopsis. <i>Plant Cell</i> , <b>2012</b> , 24, 415-27	11.6	238
67	RNA polymerase V-dependent small RNAs in Arabidopsis originate from small, intergenic loci including most SINE repeats. <i>Epigenetics</i> , <b>2012</b> , 7, 781-95	5.7	60
66	Development of a luciferase-based reporter of transcriptional gene silencing that enables bidirectional mutant screening in Arabidopsis thaliana. <i>Silence: A Journal of RNA Regulation</i> , <b>2012</b> , 3, 6		8
65	Regulation of small RNA stability: methylation and beyond. <i>Cell Research</i> , <b>2012</b> , 22, 624-36	24.7	154
64	A histone acetyltransferase regulates active DNA demethylation in Arabidopsis. <i>Science</i> , <b>2012</b> , 336, 1445-8	39.3	157
63	MicroRNA-mediated repression of the seed maturation program during vegetative development in Arabidopsis. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1003091	6	55
62	The floral homeotic protein APETALA2 recognizes and acts through an AT-rich sequence element. <i>Development (Cambridge)</i> , <b>2012</b> , 139, 1978-86	6.6	59
61	AGAMOUS terminates floral stem cell maintenance in Arabidopsis by directly repressing WUSCHEL through recruitment of Polycomb Group proteins. <i>Plant Cell</i> , <b>2011</b> , 23, 3654-70	11.6	193
60	ARGONAUTE10 and ARGONAUTE1 regulate the termination of floral stem cells through two microRNAs in Arabidopsis. <i>PLoS Genetics</i> , <b>2011</b> , 7, e1001358	6	154
59	The role of Mediator in small and long noncoding RNA production in Arabidopsis thaliana. <i>EMBO Journal</i> , <b>2011</b> , 30, 814-22	13	205
58	Dynamics of histone H3 lysine 27 trimethylation in plant development. <i>Current Opinion in Plant Biology</i> , <b>2011</b> , 14, 123-9	9.9	71
57	The plant Mediator and its role in noncoding RNA production. <i>Frontiers in Biology</i> , <b>2011</b> , 6, 125-132		12
56	LEUNIG and SEUSS co-repressors regulate miR172 expression in Arabidopsis flowers. <i>Development (Cambridge)</i> , <b>2011</b> , 138, 2451-6	6.6	63
55	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. <i>Plant Cell</i> , <b>2011</b> , 23, 1033-46	11.6	66
54	Small RNAs - secrets and surprises of the genome. <i>Plant Journal</i> , <b>2010</b> , 61, 941-58	6.9	90

53	Transcriptional silencing induced by Arabidopsis T-DNA mutants is associated with 35S promoter siRNAs and requires genes involved in siRNA-mediated chromatin silencing. <i>Plant Journal</i> , <b>2010</b> , 64, 699-704	6.8	37
52	siRNAs compete with miRNAs for methylation by HEN1 in Arabidopsis. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, 5844-50	20.1	50
51	RNAi-mediated viral immunity requires amplification of virus-derived siRNAs in Arabidopsis thaliana. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 484-9	11.5	318
50	Orchestration of the floral transition and floral development in Arabidopsis by the bifunctional transcription factor APETALA2. <i>Plant Cell</i> , <b>2010</b> , 22, 2156-70	11.6	328
49	Analysis of miRNA Modifications. <i>Methods in Molecular Biology</i> , <b>2010</b> , 592, 137-48	1.4	15
48	Structural insights into mechanisms of the small RNA methyltransferase HEN1. <i>FASEB Journal</i> , <b>2010</b> , 24, 499.6	0.9	
47	Small RNAs serve as a genetic buffer against genomic shock in Arabidopsis interspecific hybrids and allopolyploids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 17835-40	11.5	257
46	Intergenic transcription by RNA polymerase II coordinates Pol IV and Pol V in siRNA-directed transcriptional gene silencing in Arabidopsis. <i>Genes and Development</i> , <b>2009</b> , 23, 2850-60	12.6	200
45	Computational prediction of novel non-coding RNAs in Arabidopsis thaliana. <i>BMC Bioinformatics</i> , <b>2009</b> , 10 Suppl 1, S36	3.6	35
44	Structural insights into mechanisms of the small RNA methyltransferase HEN1. <i>Nature</i> , <b>2009</b> , 461, 823-7	50.4	110
43	Genome-wide analysis reveals rapid and dynamic changes in miRNA and siRNA sequence and expression during ovule and fiber development in allotetraploid cotton ( <i>Gossypium hirsutum</i> L.). <i>Genome Biology</i> , <b>2009</b> , 10, R122	18.3	114
42	Small RNAs and their roles in plant development. <i>Annual Review of Cell and Developmental Biology</i> , <b>2009</b> , 25, 21-44	12.6	704
41	Endogenous Small RNA Pathways in Arabidopsis <b>2009</b> , 197-214		
40	Small RNA metabolism and function in Arabidopsis. <i>FASEB Journal</i> , <b>2009</b> , 23, 194.1	0.9	
39	Degradation of microRNAs by a family of exoribonucleases in Arabidopsis. <i>Science</i> , <b>2008</b> , 321, 1490-2	33.3	329
38	Small RNA metabolism in Arabidopsis. <i>Trends in Plant Science</i> , <b>2008</b> , 13, 368-74	13.1	141
37	Criteria for annotation of plant MicroRNAs. <i>Plant Cell</i> , <b>2008</b> , 20, 3186-90	11.6	992
36	A silencing safeguard: links between RNA silencing and mRNA processing in Arabidopsis. <i>Developmental Cell</i> , <b>2008</b> , 14, 811-2	10.2	18

35	The FHA domain proteins DAWDLE in Arabidopsis and SNIP1 in humans act in small RNA biogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 10073-8	11.5	244
34	Biochemical activities of Arabidopsis RNA-dependent RNA polymerase 6. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 3059-3066	5.4	89
33	Small RNA-directed epigenetic natural variation in Arabidopsis thaliana. <i>PLoS Genetics</i> , <b>2008</b> , 4, e1000056		96
32	DICER-LIKE2 plays a primary role in transitive silencing of transgenes in Arabidopsis. <i>PLoS ONE</i> , <b>2008</b> , 3, e1755	3.7	126
31	MicroRNA metabolism in plants. <i>Current Topics in Microbiology and Immunology</i> , <b>2008</b> , 320, 117-36	3.3	73
30	miR172 regulates stem cell fate and defines the inner boundary of APETALA3 and PISTILLATA expression domain in Arabidopsis floral meristems. <i>Plant Journal</i> , <b>2007</b> , 51, 840-9	6.9	151
29	Approaches for studying microRNA and small interfering RNA methylation in vitro and in vivo. <i>Methods in Enzymology</i> , <b>2007</b> , 427, 139-54	1.7	28
28	HEN1 recognizes 21-24 nt small RNA duplexes and deposits a methyl group onto the 2'SOH of the 3'S terminal nucleotide. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, 667-75	20.1	333
27	Transgenically expressed viral RNA silencing suppressors interfere with microRNA methylation in Arabidopsis. <i>FEBS Letters</i> , <b>2006</b> , 580, 3117-20	3.8	92
26	Floral patterning defects induced by Arabidopsis APETALA2 and microRNA172 expression in <i>Nicotiana benthamiana</i> . <i>Plant Molecular Biology</i> , <b>2006</b> , 61, 781-93	4.6	74
25	Methylation as a crucial step in plant microRNA biogenesis. <i>Science</i> , <b>2005</b> , 307, 932-5	33.3	817
24	MicroRNA biogenesis and function in plants. <i>FEBS Letters</i> , <b>2005</b> , 579, 5923-31	3.8	397
23	Methylation protects miRNAs and siRNAs from a 3'Send uridylation activity in Arabidopsis. <i>Current Biology</i> , <b>2005</b> , 15, 1501-7	6.3	616
22	HUA ENHANCER3 reveals a role for a cyclin-dependent protein kinase in the specification of floral organ identity in Arabidopsis. <i>Development (Cambridge)</i> , <b>2004</b> , 131, 3147-56	6.6	84
21	siRNAs targeting an intronic transposon in the regulation of natural flowering behavior in Arabidopsis. <i>Genes and Development</i> , <b>2004</b> , 18, 2873-8	12.6	173
20	Posttranscriptional control of plant development. <i>Current Opinion in Plant Biology</i> , <b>2004</b> , 7, 20-5	9.9	28
19	A microRNA as a translational repressor of APETALA2 in Arabidopsis flower development. <i>Science</i> , <b>2004</b> , 303, 2022-5	33.3	1374
18	PAUSED, a putative exportin-t, acts pleiotropically in Arabidopsis development but is dispensable for viability. <i>Plant Physiology</i> , <b>2003</b> , 132, 1913-24	6.6	48

17	Arabidopsis HEN1: a genetic link between endogenous miRNA controlling development and siRNA controlling transgene silencing and virus resistance. <i>Current Biology</i> , <b>2003</b> , 13, 843-8	6.3	253
16	A uniform system for microRNA annotation. <i>Rna</i> , <b>2003</b> , 9, 277-9	5.8	1332
15	Two RNA binding proteins, HEN4 and HUA1, act in the processing of AGAMOUS pre-mRNA in Arabidopsis thaliana. <i>Developmental Cell</i> , <b>2003</b> , 4, 53-66	10.2	137
14	CARPEL FACTORY, a Dicer homolog, and HEN1, a novel protein, act in microRNA metabolism in Arabidopsis thaliana. <i>Current Biology</i> , <b>2002</b> , 12, 1484-95	6.3	999
13	HEN1 functions pleiotropically in Arabidopsis development and acts in C function in the flower. <i>Development (Cambridge)</i> , <b>2002</b> , 129, 1085-1094	6.6	103
12	HUA ENHANCER2, a putative DExH-box RNA helicase, maintains homeotic B and C gene expression in Arabidopsis. <i>Development (Cambridge)</i> , <b>2002</b> , 129, 1569-1581	6.6	40
11	HUA ENHANCER2, a putative DExH-box RNA helicase, maintains homeotic B and C gene expression in Arabidopsis. <i>Development (Cambridge)</i> , <b>2002</b> , 129, 1569-81	6.6	23
10	HEN1 functions pleiotropically in Arabidopsis development and acts in C function in the flower. <i>Development (Cambridge)</i> , <b>2002</b> , 129, 1085-94	6.6	95
9	HUA1, a Regulator of Stamen and Carpel Identities in Arabidopsis, Codes for a Nuclear RNA Binding Protein. <i>Plant Cell</i> , <b>2001</b> , 13, 2269	11.6	3
8	HUA1, a regulator of stamen and carpel identities in Arabidopsis, codes for a nuclear RNA binding protein. <i>Plant Cell</i> , <b>2001</b> , 13, 2269-81	11.6	132
7	Minimal regions in the Arabidopsis PISTILLATA promoter responsive to the APETALA3/PISTILLATA feedback control do not contain a CARG box. <i>Sexual Plant Reproduction</i> , <b>2000</b> , 13, 85-94		19
6	HUA1 and HUA2 are two members of the floral homeotic AGAMOUS pathway. <i>Molecular Cell</i> , <b>1999</b> , 3, 349-60	17.6	77
5	A genetic screen for modifiers of UFO meristem activity identifies three novel FUSED FLORAL ORGANS genes required for early flower development in Arabidopsis. <i>Genetics</i> , <b>1998</b> , 149, 579-95	4	21
4	A dominant mutation in the Chlamydomonas reinhardtii nuclear gene SIM30 suppresses translational defects caused by initiation codon mutations in chloroplast genes. <i>Genetics</i> , <b>1997</b> , 145, 935-43	4	13
3	Function of the Chlamydomonas reinhardtii petd 5S untranslated region in regulating the accumulation of subunit IV of the cytochrome b6/f complex. <i>Plant Journal</i> , <b>1994</b> , 6, 503-12	6.9	81
2	Biogenesis of a young, 22-nt microRNA in Phaseoleae species by precursor-programmed uridylation		2
1	NAD <sup>+</sup> -capped RNAs are widespread in rice (Oryza sativa) and spatiotemporally modulated during development. <i>Science China Life Sciences</i> ,	8.5	1