

Zhixin Xie

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

9,376
citations

567281

15
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

6822
citing authors

#	ARTICLE	IF	CITATIONS
1	microRNA-Directed Phasing during Trans-Acting siRNA Biogenesis in Plants. <i>Cell</i> , 2005, 121, 207-221.	28.9	2,091
2	Cleavage of <i>Scarecrow-like</i> mRNA Targets Directed by a Class of <i>Arabidopsis</i> miRNA. <i>Science</i> , 2002, 297, 2053-2056.	12.6	1,503
3	Genetic and Functional Diversification of Small RNA Pathways in Plants. <i>PLoS Biology</i> , 2004, 2, e104.	5.6	1,347
4	P1/HC-Pro, a Viral Suppressor of RNA Silencing, Interferes with <i>Arabidopsis</i> Development and miRNA Function. <i>Developmental Cell</i> , 2003, 4, 205-217.	7.0	874
5	Expression of <i>Arabidopsis</i> MIRNA Genes. <i>Plant Physiology</i> , 2005, 138, 2145-2154.	4.8	626
6	Evolution of microRNA genes by inverted duplication of target gene sequences in <i>Arabidopsis thaliana</i> . <i>Nature Genetics</i> , 2004, 36, 1282-1290.	21.4	561
7	Negative Feedback Regulation of Dicer-Like1 in <i>Arabidopsis</i> by microRNA-Guided mRNA Degradation. <i>Current Biology</i> , 2003, 13, 784-789.	3.9	537
8	DICER-LIKE 4 functions in trans-acting small interfering RNA biogenesis and vegetative phase change in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 12984-12989.	7.1	509
9	RNA Silencing Genes Control de Novo DNA Methylation. <i>Science</i> , 2004, 303, 1336-1336.	12.6	484
10	Role of <i>Arabidopsis</i> ARGONAUTE4 in RNA-Directed DNA Methylation Triggered by Inverted Repeats. <i>Current Biology</i> , 2004, 14, 1214-1220.	3.9	285
11	Small RNA Deep Sequencing Reveals Role for <i>Arabidopsis thaliana</i> RNA-Dependent RNA Polymerases in Viral siRNA Biogenesis. <i>PLoS ONE</i> , 2009, 4, e4971.	2.5	221
12	The role of floral organs in carpels, an <i>Arabidopsis</i> loss-of-function mutation in MicroRNA160a, in organogenesis and the mechanism regulating its expression. <i>Plant Journal</i> , 2010, 62, 416-428.	5.7	154
13	Expression of microRNAs and its regulation in plants. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 790-797.	5.0	79
14	Diverse small RNA-directed silencing pathways in plants. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2008, 1779, 720-724.	1.9	59
15	Expression of tobacco class II catalase gene activates the endogenous homologous gene and is associated with disease resistance in transgenic potato plants. <i>Plant Molecular Biology</i> , 1999, 39, 477-488.	3.9	30
16	Piecing the Puzzle Together: Genetic Requirements for miRNA Biogenesis in <i>Arabidopsis thaliana</i> . <i>Methods in Molecular Biology</i> , 2010, 592, 1-17.	0.9	6
17	Rapid sequence and functional diversification of a miRNA superfamily targeting calcium signaling components in seed plants. <i>New Phytologist</i> , 2022, 235, 1082-1095.	7.3	5
18	Small RNAs in Plants. <i>Signaling and Communication in Plants</i> , 2012, , 1-28.	0.7	4

#	ARTICLE	IF	CITATIONS
19	Fast Phased Small RNA Cycle Counting Algorithms. , 2010, , .		1
20	Biogenesis and Function of Virus-Derived Small Interfering RNAs in Plants. RNA Technologies, 2011, , 485-498.	0.3	0
21	Interplay and transition between small RNA-directed posttranscriptional and transcriptional gene silencing in plants. Indian Journal of Plant Physiology, 2017, 22, 371-381.	0.8	0