

Xiuren Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

4,846
citations

279798

23
h-index

302126

39
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43
all docs

43
docs citations

43
times ranked

5994
citing authors

#	ARTICLE	IF	CITATIONS
1	Agrobacterium-mediated transformation of Arabidopsis thaliana using the floral dip method. Nature Protocols, 2006, 1, 641-646.	12.0	1,758
2	Cucumber mosaic virus-encoded 2b suppressor inhibits Arabidopsis Argonaute1 cleavage activity to counter plant defense. Genes and Development, 2006, 20, 3255-3268.	5.9	589
3	Arabidopsis Argonaute10 Specifically Sequesters miR166/165 to Regulate Shoot Apical Meristem Development. Cell, 2011, 145, 242-256.	28.9	420
4	The AIP2 E3 ligase acts as a novel negative regulator of ABA signaling by promoting ABI3 degradation. Genes and Development, 2005, 19, 1532-1543.	5.9	369
5	The functions of plant small RNA<sc>s in development and in stress responses. Plant Journal, 2017, 90, 654-670.	5.7	198
6	Bidirectional processing of pri-miRNAs with branched terminal loops by Arabidopsis Dicer-like1. Nature Structural and Molecular Biology, 2013, 20, 1106-1115.	8.2	133
7	Deep sequencing of small RNAs specifically associated with Arabidopsis AGO1 and AGO4 uncovers new AGO functions. Plant Journal, 2011, 67, 292-304.	5.7	114
8	Tomato is a highly effective vehicle for expression and oral immunization with Norwalk virus capsid protein. Plant Biotechnology Journal, 2006, 4, 419-432.	8.3	113
9	Spatiotemporal Sequestration of miR165/166 by Arabidopsis Argonaute10 Promotes Shoot Apical Meristem Maintenance. Cell Reports, 2015, 10, 1819-1827.	6.4	106
10	SWI2/SNF2 ATPase CHR2 remodels pri-miRNAs via Serrate to impede miRNA production. Nature, 2018, 557, 516-521.	27.8	106
11	Trehalose Accumulation Triggers Autophagy during Plant Desiccation. PLoS Genetics, 2015, 11, e1005705.	3.5	94
12	Tomato leaf curl Yunnan virus-encoded C4 induces cell division through enhancing stability of Cyclin D 1.1 via impairing NbSK1-mediated phosphorylation in Nicotiana benthamiana. PLoS Pathogens, 2018, 14, e1006789.	4.7	93
13	Geminivirus-encoded TrAP suppressor inhibits the histone methyltransferase SUVH4/KYP to counter host defense. ELife, 2015, 4, e06671.	6.0	92
14	KETCH1 imports HYL1 to nucleus for miRNA biogenesis in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4011-4016.	7.1	70
15	Bean Yellow Dwarf Virus replicons for high-level transgene expression in transgenic plants and cell cultures. Biotechnology and Bioengineering, 2006, 93, 271-279.	3.3	66
16	Arabidopsis AGO3 predominantly recruits 24-nt small RNAs to regulate epigenetic silencing. Nature Plants, 2016, 2, 16049.	9.3	64
17	Argonautes compete for miR165/166 to regulate shoot apical meristem development. Current Opinion in Plant Biology, 2012, 15, 652-658.	7.1	59
18	Arabidopsis Serrate Coordinates Histone Methyltransferases ATXR5/6 and RNA Processing Factor RDR6 to Regulate Transposon Expression. Developmental Cell, 2018, 45, 769-784.e6.	7.0	50

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19	ΩC1 protein encoded in geminivirus satellite concertedly targets MKK2 and MPK4 to counter host defense. <i>PLoS Pathogens</i> , 2019, 15, e1007728.	4.7	49
20	RISC-interacting clearing 3â€™- 5â€™ exoribonucleases (RICEs) degrade uridylylated cleavage fragments to maintain functional RISC in <i>Arabidopsis thaliana</i> . <i>ELife</i> , 2017, 6, .	6.0	48
21	Actions of plant Argonautes: predictable or unpredictable?. <i>Current Opinion in Plant Biology</i> , 2018, 45, 59-67.	7.1	46
22	Degradation of SERRATE via ubiquitin-independent 20S proteasome to survey RNA metabolism. <i>Nature Plants</i> , 2020, 6, 970-982.	9.3	32
23	Small RNA-Sequencing Links Physiological Changes and RdDM Process to Vegetative-to-Floral Transition in Apple. <i>Frontiers in Plant Science</i> , 2017, 8, 873.	3.6	27
24	The Trojan Horse of the Plant Kingdom. <i>Cell Host and Microbe</i> , 2018, 24, 1-3.	11.0	24
25	Multiple Quality Control Mechanisms in the ER and TGN Determine Subcellular Dynamics and Salt-Stress Tolerance Function of KORRIGAN1. <i>Plant Cell</i> , 2020, 32, 470-485.	6.6	21
26	Genome-wide probing RNA structure with the modified DMS-MaPseq in <i>Arabidopsis</i> . <i>Methods</i> , 2019, 155, 30-40.	3.8	17
27	PRP4KA phosphorylates SERRATE for degradation via 20 S proteasome to fine-tune miRNA production in <i>Arabidopsis</i> . <i>Science Advances</i> , 2022, 8, eabm8435.	10.3	16
28	Salt Stress and CTD PHOSPHATASE-LIKE4 Mediate the Switch between Production of Small Nuclear RNAs and mRNAs. <i>Plant Cell</i> , 2017, 29, 3214-3233.	6.6	13
29	RNA architecture influences plant biology. <i>Journal of Experimental Botany</i> , 2021, 72, 4144-4160.	4.8	12
30	The epigenetic factor FVE orchestrates cytoplasmic SGS3-DRB4-DCL4 activities to promote transgene silencing in <i>Arabidopsis</i> . <i>Science Advances</i> , 2021, 7, .	10.3	11
31	Site-specific and substrate-specific control of accurate mRNA editing by a helicase complex in trypanosomes. <i>Rna</i> , 2020, 26, 1862-1881.	3.5	9
32	Genome-Wide Investigation of the Role of MicroRNAs in Desiccation Tolerance in the Resurrection Grass <i>Tripogon loliiformis</i> . <i>Plants</i> , 2018, 7, 68.	3.5	8
33	scInTime: A Computational Method Leveraging Single-Cell Trajectory and Gene Regulatory Networks to Identify Master Regulators of Cellular Differentiation. <i>Genes</i> , 2022, 13, 371.	2.4	4
34	The R-loop influences miRNA birth place. <i>Nature Plants</i> , 2022, 8, 320-321.	9.3	4
35	Tough GC beats transgene silencing. <i>Nature Plants</i> , 2017, 3, 850-851.	9.3	3
36	Transactivator: A New Face of <i>Arabidopsis</i> AGO1. <i>Developmental Cell</i> , 2018, 44, 277-279.	7.0	2

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37	HASTY moves to chromatin for miRNA production. <i>Molecular Plant</i> , 2021, 14, 364-365.	8.3	2
38	Identification and Quantification of Small RNAs. <i>Methods in Molecular Biology</i> , 2021, 2200, 225-254.	0.9	2
39	In vitro Reconstitution Assay of miRNA Biogenesis by Arabidopsis DCL1. <i>Bio-protocol</i> , 2015, 5, .	0.4	2
40	Lack of endoplasmic reticulum quality control (ERQC) promotes tonoplast (TP) targeting of KORRIGAN 1 (KOR1). <i>Plant Signaling and Behavior</i> , 2020, 15, 1744348.	2.4	0
41	In vitro Reconstitution Assays of Arabidopsis 20S Proteasome. <i>Bio-protocol</i> , 2021, 11, e3967.	0.4	0