

# Xiuren Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

4,846  
citations

279487

23  
h-index

301761

39  
g-index

43  
all docs

43  
docs citations

43  
times ranked

5994  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.0	4
2	PRP4KA phosphorylates SERRATE for degradation via 20S proteasome to fine-tune miRNA production in <i>Arabidopsis</i> . <i>Science Advances</i> , 2022, 8, eabm8435.	4.7	16
3	The R-loop influences miRNA birth place. <i>Nature Plants</i> , 2022, 8, 320-321.	4.7	4
4	RNA architecture influences plant biology. <i>Journal of Experimental Botany</i> , 2021, 72, 4144-4160.	2.4	12
5	HASTY moves to chromatin for miRNA production. <i>Molecular Plant</i> , 2021, 14, 364-365.	3.9	2
6	The epigenetic factor FVE orchestrates cytoplasmic SGS3-DRB4-DCL4 activities to promote transgene silencing in <i>Arabidopsis</i> . <i>Science Advances</i> , 2021, 7, .	4.7	11
7	In vitro Reconstitution Assays of Arabidopsis 20S Proteasome. <i>Bio-protocol</i> , 2021, 11, e3967.	0.2	0
8	Identification and Quantification of Small RNAs. <i>Methods in Molecular Biology</i> , 2021, 2200, 225-254.	0.4	2
9	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.	3.1	21
10	Degradation of SERRATE via ubiquitin-independent 20S proteasome to survey RNA metabolism. <i>Nature Plants</i> , 2020, 6, 970-982.	4.7	32
11	Site-specific and substrate-specific control of accurate mRNA editing by a helicase complex in trypanosomes. <i>Rna</i> , 2020, 26, 1862-1881.	1.6	9
12	Lack of endoplasmic reticulum quality control (ERQC) promotes tonoplast (TP) targeting of KORRIGAN 1 (KOR1). <i>Plant Signaling and Behavior</i> , 2020, 15, 1744348.	1.2	0
13	Î²C1 protein encoded in geminivirus satellite concertedly targets MKK2 and MPK4 to counter host defense. <i>PLoS Pathogens</i> , 2019, 15, e1007728.	2.1	49
14	Genome-wide probing RNA structure with the modified DMS-MaPseq in Arabidopsis. <i>Methods</i> , 2019, 155, 30-40.	1.9	17
15	Transactivator: A New Face of Arabidopsis AGO1. <i>Developmental Cell</i> , 2018, 44, 277-279.	3.1	2
16	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.	1.6	8
17	SWI2/SNF2 ATPase CHR2 remodels pri-miRNAs via Serrate to impede miRNA production. <i>Nature</i> , 2018, 557, 516-521.	13.7	106
18	Actions of plant Argonautes: predictable or unpredictable?. <i>Current Opinion in Plant Biology</i> , 2018, 45, 59-67.	3.5	46

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19	The Trojan Horse of the Plant Kingdom. <i>Cell Host and Microbe</i> , 2018, 24, 1-3.	5.1	24
20	Tomato leaf curl Yunnan virus-encoded C4 induces cell division through enhancing stability of Cyclin D 1.1 via impairing NbSK1-mediated phosphorylation in <i>Nicotiana benthamiana</i> . <i>PLoS Pathogens</i> , 2018, 14, e1006789.	2.1	93
21	<i>Arabidopsis</i> Serrate Coordinates Histone Methyltransferases ATXR5/6 and RNA Processing Factor RDR6 to Regulate Transposon Expression. <i>Developmental Cell</i> , 2018, 45, 769-784.e6.	3.1	50
22	KETCH1 imports HYL1 to nucleus for miRNA biogenesis in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4011-4016.	3.3	70
23	The functions of plant small RNA <sup>s</sup> in development and in stress responses. <i>Plant Journal</i> , 2017, 90, 654-670.	2.8	198
24	Tough GC beats transgene silencing. <i>Nature Plants</i> , 2017, 3, 850-851.	4.7	3
25	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.	3.1	13
26	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.	1.7	27
27	RISC-interacting clearing 3'5' exoribonucleases (RICEs) degrade uridylylated cleavage fragments to maintain functional RISC in <i>Arabidopsis thaliana</i> . <i>ELife</i> , 2017, 6, .	2.8	48
28	<i>Arabidopsis</i> AGO3 predominantly recruits 24-nt small RNAs to regulate epigenetic silencing. <i>Nature Plants</i> , 2016, 2, 16049.	4.7	64
29	Trehalose Accumulation Triggers Autophagy during Plant Desiccation. <i>PLoS Genetics</i> , 2015, 11, e1005705.	1.5	94
30	Spatiotemporal Sequestration of miR165/166 by <i>Arabidopsis</i> Argonaute10 Promotes Shoot Apical Meristem Maintenance. <i>Cell Reports</i> , 2015, 10, 1819-1827.	2.9	106
31	In vitro Reconstitution Assay of miRNA Biogenesis by <i>Arabidopsis</i> DCL1. <i>Bio-protocol</i> , 2015, 5, .	0.2	2
32	Geminivirus-encoded TrAP suppressor inhibits the histone methyltransferase SUVH4/KYP to counter host defense. <i>ELife</i> , 2015, 4, e06671.	2.8	92
33	Bidirectional processing of pri-miRNAs with branched terminal loops by <i>Arabidopsis</i> Dicer-like1. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 1106-1115.	3.6	133
34	Argonautes compete for miR165/166 to regulate shoot apical meristem development. <i>Current Opinion in Plant Biology</i> , 2012, 15, 652-658.	3.5	59
35	<i>Arabidopsis</i> Argonaute10 Specifically Sequesters miR166/165 to Regulate Shoot Apical Meristem Development. <i>Cell</i> , 2011, 145, 242-256.	13.5	420
36	Deep sequencing of small RNAs specifically associated with <i>Arabidopsis</i> AGO1 and AGO4 uncovers new AGO functions. <i>Plant Journal</i> , 2011, 67, 292-304.	2.8	114

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37	Cucumber mosaic virus-encoded 2b suppressor inhibits Arabidopsis Argonaute1 cleavage activity to counter plant defense. <i>Genes and Development</i> , 2006, 20, 3255-3268.	2.7	589
38	Tomato is a highly effective vehicle for expression and oral immunization with Norwalk virus capsid protein. <i>Plant Biotechnology Journal</i> , 2006, 4, 419-432.	4.1	113
39	Agrobacterium-mediated transformation of Arabidopsis thaliana using the floral dip method. <i>Nature Protocols</i> , 2006, 1, 641-646.	5.5	1,758
40	Bean Yellow Dwarf Virus replicons for high-level transgene expression in transgenic plants and cell cultures. <i>Biotechnology and Bioengineering</i> , 2006, 93, 271-279.	1.7	66
41	The AIP2 E3 ligase acts as a novel negative regulator of ABA signaling by promoting ABI3 degradation. <i>Genes and Development</i> , 2005, 19, 1532-1543.	2.7	369