Yu-Chan Zhang

List of Publications by Year
in descending order

19	1,937	471509 17	794594 19
papers	citations	h-index	g-index

19	19	19	2482
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genome-wide screening and functional analysis identify a large number of long noncoding RNAs involved in the sexual reproduction of rice. Genome Biology, 2014, 15, 512.	8.8	475
2	Overexpression of microRNA OsmiR397 improves rice yield by increasing grain size and promoting panicle branching. Nature Biotechnology, 2013, 31, 848-852.	17.5	401
3	Plant Noncoding RNAs: Hidden Players in Development and Stress Responses. Annual Review of Cell and Developmental Biology, 2019, 35, 407-431.	9.4	228
4	Long noncoding RNAs: New regulators in plant development. Biochemical and Biophysical Research Communications, 2013, 436, 111-114.	2.1	160
5	MiR408 Regulates Grain Yield and Photosynthesis via a Phytocyanin Protein. Plant Physiology, 2017, 175, 1175-1185.	4.8	121
6	The subunit of RNA N6-methyladenosine methyltransferase OsFIP regulates early degeneration of microspores in rice. PLoS Genetics, 2019, 15, e1008120.	3.5	103
7	Transcriptional landscape of pathogenâ€responsive lnc<scp>RNA</scp>s in rice unveils the role of <scp>ALEX</scp>1 in jasmonate pathway and disease resistance. Plant Biotechnology Journal, 2020, 18, 679-690.	8.3	87
8	OsmiR528 regulates rice-pollen intine formation by targeting an uclacyanin to influence flavonoid metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 727-732.	7.1	58
9	Reproductive phasiRNAs regulate reprogramming of gene expression and meiotic progression in rice. Nature Communications, 2020, 11, 6031.	12.8	53
10	The parent-of-origin lncRNA MISSEN regulates rice endosperm development. Nature Communications, 2021, 12, 6525.	12.8	40
11	Both endo-siRNAs and tRNA-derived small RNAs are involved in the differentiation of primitive eukaryote Giardia lamblia. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14159-14164.	7.1	37
12	miRNAs and lncRNAs in reproductive development. Plant Science, 2015, 238, 46-52.	3.6	31
13	Circular RNAs roll into the regulatory network of plants. Biochemical and Biophysical Research Communications, 2017, 488, 382-386.	2.1	29
14	A Natural Variant of miR397 Mediates a Feedback Loop in Circadian Rhythm. Plant Physiology, 2020, 182, 204-214.	4.8	29
15	Grass phasiRNAs and male fertility. Science China Life Sciences, 2018, 61, 148-154.	4.9	24
16	Deep sequencing reveals a global reprogramming of lncRNA transcriptome during EMT. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 1703-1713.	4.1	18
17	Rice UCL8, a plantacyanin gene targeted by miR408, regulates fertility by controlling pollen tube germination and growth. Rice, 2018, 11, 60.	4.0	18
18	Genome-wide analysis and functional annotation of chromatin-enriched noncoding RNAs in rice during somatic cell regeneration. Genome Biology, 2022, 23, 28.	8.8	13

#	Article	IF	Citations
19	Ubiquitin-dependent Argonauteprotein MEL1 degradation is essential for rice sporogenesis and phasiRNA target regulation. Plant Cell, 2021, 33, 2685-2700.	6.6	12