

Xiu-Jie Wang

List of Publications by Citations

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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.

62

papers

8,613

citations

34

h-index

69

g-index

69

ext. papers

10,835

ext. citations

11.4

avg, IF

6.12

L-index

#	Paper	IF	Citations
62	ALKBH5 is a mammalian RNA demethylase that impacts RNA metabolism and mouse fertility. <i>Molecular Cell</i> , 2013 , 49, 18-29	17.6	1627
61	Nuclear m(6)A Reader YTHDC1 Regulates mRNA Splicing. <i>Molecular Cell</i> , 2016 , 61, 507-519	17.6	847
60	FTO-dependent demethylation of N6-methyladenosine regulates mRNA splicing and is required for adipogenesis. <i>Cell Research</i> , 2014 , 24, 1403-19	24.7	612
59	GOEAST: a web-based software toolkit for Gene Ontology enrichment analysis. <i>Nucleic Acids Research</i> , 2008 , 36, W358-63	20.1	510
58	Distinct catalytic and non-catalytic roles of ARGONAUTE4 in RNA-directed DNA methylation. <i>Nature</i> , 2006 , 443, 1008-12	50.4	368
57	m(6)A RNA methylation is regulated by microRNAs and promotes reprogramming to pluripotency. <i>Cell Stem Cell</i> , 2015 , 16, 289-301	18	367
56	A complex system of small RNAs in the unicellular green alga <i>Chlamydomonas reinhardtii</i> . <i>Genes and Development</i> , 2007 , 21, 1190-203	12.6	323
55	PsRobot: a web-based plant small RNA meta-analysis toolbox. <i>Nucleic Acids Research</i> , 2012 , 40, W22-8	20.1	289
54	Widespread long noncoding RNAs as endogenous target mimics for microRNAs in plants. <i>Plant Physiology</i> , 2013 , 161, 1875-84	6.6	269
53	N6-methyl-adenosine (m6A) in RNA: an old modification with a novel epigenetic function. <i>Genomics, Proteomics and Bioinformatics</i> , 2013 , 11, 8-17	6.5	254
52	Potential inhibitors against 2019-nCoV coronavirus M protease from clinically approved medicines. <i>Journal of Genetics and Genomics</i> , 2020 , 47, 119-121	4	252
51	Comprehensive comparison of Pacific Biosciences and Oxford Nanopore Technologies and their applications to transcriptome analysis. <i>F1000Research</i> , 2017 , 6, 100	3.6	236
50	ETCM: an encyclopaedia of traditional Chinese medicine. <i>Nucleic Acids Research</i> , 2019 , 47, D976-D982	20.1	232
49	Roles of DCL4 and DCL3b in rice phased small RNA biogenesis. <i>Plant Journal</i> , 2012 , 69, 462-74	6.9	224
48	Activation of the imprinted <i>Dlk1-Dio3</i> region correlates with pluripotency levels of mouse stem cells. <i>Journal of Biological Chemistry</i> , 2010 , 285, 19483-90	5.4	218
47	Genome-wide prediction and identification of cis-natural antisense transcripts in <i>Arabidopsis thaliana</i> . <i>Genome Biology</i> , 2005 , 6, R30	18.3	214
46	Mettl3-mediated mA regulates spermatogonial differentiation and meiosis initiation. <i>Cell Research</i> , 2017 , 27, 1100-1114	24.7	186

45	Combining metabolomics and transcriptomics to characterize tanshinone biosynthesis in <i>Salvia miltiorrhiza</i> . <i>BMC Genomics</i> , 2014 , 15, 73	4.5	131
44	METTL3-mediated m6A modification is required for cerebellar development. <i>PLoS Biology</i> , 2018 , 16, e2004880	9.7	128
43	Direct reprogramming of Sertoli cells into multipotent neural stem cells by defined factors. <i>Cell Research</i> , 2012 , 22, 208-18	24.7	123
42	Small RNA profiling in two <i>Brassica napus</i> cultivars identifies microRNAs with oil production- and development-correlated expression and new small RNA classes. <i>Plant Physiology</i> , 2012 , 158, 813-23	6.6	99
41	Deep sequencing of small RNAs specifically associated with Arabidopsis AGO1 and AGO4 uncovers new AGO functions. <i>Plant Journal</i> , 2011 , 67, 292-304	6.9	93
40	METTL3-mediated N-methyladenosine mRNA modification enhances long-term memory consolidation. <i>Cell Research</i> , 2018 , 28, 1050-1061	24.7	80
39	Mir-24 regulates junctophilin-2 expression in cardiomyocytes. <i>Circulation Research</i> , 2012 , 111, 837-41	15.7	74
38	Conserved miRNA analysis in <i>Gossypium hirsutum</i> through small RNA sequencing. <i>Genomics</i> , 2009 , 94, 263-8	4.3	73
37	Geminivirus-encoded TrAP suppressor inhibits the histone methyltransferase SUVH4/KYP to counter host defense. <i>ELife</i> , 2015 , 4, e06671	8.9	72
36	Genetic modification and screening in rat using haploid embryonic stem cells. <i>Cell Stem Cell</i> , 2014 , 14, 404-14	18	71
35	In vivo suppression of microRNA-24 prevents the transition toward decompensated hypertrophy in aortic-constricted mice. <i>Circulation Research</i> , 2013 , 112, 601-5	15.7	71
34	Prediction of trans-antisense transcripts in <i>Arabidopsis thaliana</i> . <i>Genome Biology</i> , 2006 , 7, R92	18.3	64
33	MED25 connects enhancer-promoter looping and MYC2-dependent activation of jasmonate signalling. <i>Nature Plants</i> , 2019 , 5, 616-625	11.5	45
32	<i>Arabidopsis</i> AGO3 predominantly recruits 24-nt small RNAs to regulate epigenetic silencing. <i>Nature Plants</i> , 2016 , 2, 16049	11.5	41
31	Mice generated from tetraploid complementation competent iPS cells show similar developmental features as those from ES cells but are prone to tumorigenesis. <i>Cell Research</i> , 2011 , 21, 1634-7	24.7	36
30	Sequential de novo centromere formation and inactivation on a chromosomal fragment in maize. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E1263-71	11.5	35
29	Genome-wide annotation and analysis of zebra finch microRNA repertoire reveal sex-biased expression. <i>BMC Genomics</i> , 2012 , 13, 727	4.5	35
28	Differentiated regulation of immune-response related genes between LUAD and LUSC subtypes of lung cancers. <i>Oncotarget</i> , 2017 , 8, 133-144	3.3	34

27	Generation and Application of Mouse-Rat Allodiploid Embryonic Stem Cells. <i>Cell</i> , 2016 , 164, 279-292	56.2	32
26	IDP-ASE: haplotyping and quantifying allele-specific expression at the gene and gene isoform level by hybrid sequencing. <i>Nucleic Acids Research</i> , 2017 , 45, e32	20.1	30
25	Perivascular adipose tissue-derived stromal cells contribute to vascular remodeling during aging. <i>Aging Cell</i> , 2019 , 18, e12969	9.9	25
24	Birth of fertile bimaternal offspring following intracytoplasmic injection of parthenogenetic haploid embryonic stem cells. <i>Cell Research</i> , 2016 , 26, 135-8	24.7	25
23	Endogenous small RNA clusters in plants. <i>Genomics, Proteomics and Bioinformatics</i> , 2014 , 12, 64-71	6.5	20
22	Durable pluripotency and haploidy in epiblast stem cells derived from haploid embryonic stem cells in vitro. <i>Journal of Molecular Cell Biology</i> , 2015 , 7, 326-37	6.3	16
21	Inhibition of endoplasmic reticulum stress by intermedin1-53 attenuates angiotensin II-induced abdominal aortic aneurysm in ApoE KO Mice. <i>Endocrine</i> , 2018 , 62, 90-106	4	16
20	Dynamic chromatin changes associated with de novo centromere formation in maize euchromatin. <i>Plant Journal</i> , 2016 , 88, 854-866	6.9	15
19	Identification and characterization of small RNAs in the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> . <i>PLoS ONE</i> , 2012 , 7, e35306	3.7	14
18	Ubiquitously expressed genes participate in cell-specific functions via alternative promoter usage. <i>EMBO Reports</i> , 2016 , 17, 1304-13	6.5	14
17	Bioinformatic analysis of microRNA biogenesis and function related proteins in eleven animal genomes. <i>Journal of Genetics and Genomics</i> , 2009 , 36, 591-601	4	13
16	Dynamic and Coordinated Expression Changes of Rice Small RNAs in Response to <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> . <i>Journal of Genetics and Genomics</i> , 2015 , 42, 625-637	4	12
15	An Integrative Analysis of the Effects of Auxin on Jasmonic Acid Biosynthesis in <i>Arabidopsis thaliana</i> . <i>Journal of Integrative Plant Biology</i> , 2006 , 48, 99-103	8.3	9
14	A non-invasive method to determine the pluripotent status of stem cells by culture medium microRNA expression detection. <i>Scientific Reports</i> , 2016 , 6, 22380	4.9	9
13	ISRNA: an integrative online toolkit for short reads from high-throughput sequencing data. <i>Bioinformatics</i> , 2014 , 30, 434-6	7.2	8
12	Evolutionary and functional analysis of the key pluripotency factor Oct4 and its family proteins. <i>Journal of Genetics and Genomics</i> , 2013 , 40, 399-412	4	5
11	Long noncoding RNA sponges mmu-miR-139-5p to modulate functions in mouse ESCs and embryos. <i>RNA Biology</i> , 2021 , 18, 875-887	4.8	4
10	A multi-axis robot-based bioprinting system supporting natural cell function preservation and cardiac tissue fabrication.. <i>Bioactive Materials</i> , 2022 , 18, 138-150	16.7	4

9	Novel roles of an intragenic G-quadruplex in controlling microRNA expression and cardiac function. <i>Nucleic Acids Research</i> , 2021 , 49, 2522-2536	20.1	3
8	Influence of feeder cells on transcriptomic analysis of pluripotent stem cells.. <i>Cell Proliferation</i> , 2022 , e13189	7.9	2
7	Early transcriptomic profiling variation caused by cluster allergen immunotherapy. <i>Chinese Medical Journal</i> , 2020 , 133, 1366-1368	2.9	1
6	Stinging Insect Allergens. <i>Current Protein and Peptide Science</i> , 2020 , 21, 142-152	2.8	0
5	Dynamic transcriptome landscape in the song nucleus HVC between juvenile and adult zebra finches. <i>Genetics & Genomics Next</i> , 2021 , 2, e10035	1.2	0
4	Regulation beyond genome sequences: DNA and histone methylation in embryonic stem cells. <i>Frontiers in Biology</i> , 2010 , 5, 41-47		
3	Bayesian networks: a powerful tool for systems biology study. <i>Frontiers in Biology</i> , 2010 , 5, 95-96		
2	Identification of dysregulated microRNAs involved in arachidonic acid metabolism regulation in dilated cardiomyopathy-mediated heart failure patients. <i>Acta Physiologica Sinica</i> , 2021 , 73, 584-596	1.3	
1	Intermedin Inhibits NLRP3 Inflammasome Activation by Targeting IRE1α in Cardiac Fibrosis.. <i>Inflammation</i> , 2022 , 1	5.1	