

Xiu-Jie Wang

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

12,374
citations

101384

36
h-index

118652

62
g-index

69
all docs

69
docs citations

69
times ranked

15120
citing authors

#	ARTICLE	IF	CITATIONS
1	ALKBH5 Is a Mammalian RNA Demethylase that Impacts RNA Metabolism and Mouse Fertility. <i>Molecular Cell</i> , 2013, 49, 18-29.	4.5	2,549
2	Nuclear m6A Reader YTHDC1 Regulates mRNA Splicing. <i>Molecular Cell</i> , 2016, 61, 507-519.	4.5	1,432
3	FTO-dependent demethylation of N6-methyladenosine regulates mRNA splicing and is required for adipogenesis. <i>Cell Research</i> , 2014, 24, 1403-1419.	5.7	869
4	GOEAST: a web-based software toolkit for Gene Ontology enrichment analysis. <i>Nucleic Acids Research</i> , 2008, 36, W358-W363.	6.5	569
5	ETCM: an encyclopaedia of traditional Chinese medicine. <i>Nucleic Acids Research</i> , 2019, 47, D976-D982.	6.5	507
6	m6A RNA Methylation Is Regulated by MicroRNAs and Promotes Reprogramming to Pluripotency. <i>Cell Stem Cell</i> , 2015, 16, 289-301.	5.2	483
7	PsRobot: a web-based plant small RNA meta-analysis toolbox. <i>Nucleic Acids Research</i> , 2012, 40, W22-W28.	6.5	448
8	Distinct catalytic and non-catalytic roles of ARGONAUTE4 in RNA-directed DNA methylation. <i>Nature</i> , 2006, 443, 1008-1012.	13.7	416
9	Widespread Long Noncoding RNAs as Endogenous Target Mimics for MicroRNAs in Plants. <i>Plant Physiology</i> , 2013, 161, 1875-1884.	2.3	400
10	N6-Methyl-Adenosine (m6A) in RNA: An Old Modification with A Novel Epigenetic Function. <i>Genomics, Proteomics and Bioinformatics</i> , 2013, 11, 8-17.	3.0	368
11	A complex system of small RNAs in the unicellular green alga <i>Chlamydomonas reinhardtii</i> . <i>Genes and Development</i> , 2007, 21, 1190-1203.	2.7	367
12	Comprehensive comparison of Pacific Biosciences and Oxford Nanopore Technologies and their applications to transcriptome analysis. <i>F1000Research</i> , 2017, 6, 100.	0.8	366
13	Potential inhibitors against 2019-nCoV coronavirus M protease from clinically approved medicines. <i>Journal of Genetics and Genomics</i> , 2020, 47, 119-121.	1.7	331
14	Mettl3-mediated m6A regulates spermatogonial differentiation and meiosis initiation. <i>Cell Research</i> , 2017, 27, 1100-1114.	5.7	306
15	Roles of DCL4 and DCL3b in rice phased small RNA biogenesis. <i>Plant Journal</i> , 2012, 69, 462-474.	2.8	289
16	Activation of the Imprinted Dlk1-Dio3 Region Correlates with Pluripotency Levels of Mouse Stem Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 19483-19490.	1.6	253
17	Genome-wide prediction and identification of cis-natural antisense transcripts in <i>Arabidopsis thaliana</i> . <i>Genome Biology</i> , 2005, 6, R30.	13.9	240
18	METTL3-mediated m6A modification is required for cerebellar development. <i>PLoS Biology</i> , 2018, 16, e2004880.	2.6	216

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19	Combining metabolomics and transcriptomics to characterize tanshinone biosynthesis in <i>Salvia miltiorrhiza</i> . <i>BMC Genomics</i> , 2014, 15, 73.	1.2	165
20	METTL3-mediated N6-methyladenosine mRNA modification enhances long-term memory consolidation. <i>Cell Research</i> , 2018, 28, 1050-1061.	5.7	146
21	Direct reprogramming of Sertoli cells into multipotent neural stem cells by defined factors. <i>Cell Research</i> , 2012, 22, 208-218.	5.7	135
22	Deep sequencing of small RNAs specifically associated with Arabidopsis AGO1 and AGO4 uncovers new AGO functions. <i>Plant Journal</i> , 2011, 67, 292-304.	2.8	114
23	Small RNA Profiling in Two <i>Brassica napus</i> Cultivars Identifies MicroRNAs with Oil Production- and Development-Related Expression and New Small RNA Classes. <i>Plant Physiology</i> , 2012, 158, 813-823.	2.3	111
24	Geminivirus-encoded TrAP suppressor inhibits the histone methyltransferase SUVH4/KYP to counter host defense. <i>ELife</i> , 2015, 4, e06671.	2.8	92
25	Mir-24 Regulates Junctophilin-2 Expression in Cardiomyocytes. <i>Circulation Research</i> , 2012, 111, 837-841.	2.0	87
26	Genetic Modification and Screening in Rat Using Haploid Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2014, 14, 404-414.	5.2	85
27	In Vivo Suppression of MicroRNA-24 Prevents the Transition Toward Decompensated Hypertrophy in Aortic-Constricted Mice. <i>Circulation Research</i> , 2013, 112, 601-605.	2.0	84
28	MED25 connects enhancer-promoter looping and MYC2-dependent activation of jasmonate signalling. <i>Nature Plants</i> , 2019, 5, 616-625.	4.7	82
29	Conserved miRNA analysis in <i>Gossypium hirsutum</i> through small RNA sequencing. <i>Genomics</i> , 2009, 94, 263-268.	1.3	79
30	Prediction of trans-antisense transcripts in <i>Arabidopsis thaliana</i> . <i>Genome Biology</i> , 2006, 7, R92.	13.9	72
31	<i>Arabidopsis</i> AGO3 predominantly recruits 24-nt small RNAs to regulate epigenetic silencing. <i>Nature Plants</i> , 2016, 2, 16049.	4.7	64
32	Differentiated regulation of immune-response related genes between LUAD and LUSC subtypes of lung cancers. <i>Oncotarget</i> , 2017, 8, 133-144.	0.8	54
33	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-E1271.	3.3	46
34	Generation and Application of Mouse-Rat Allodiploid Embryonic Stem Cells. <i>Cell</i> , 2016, 164, 279-292.	13.5	46
35	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-e32.	6.5	42
36	Birth of fertile bimaternal offspring following intracytoplasmic injection of parthenogenetic haploid embryonic stem cells. <i>Cell Research</i> , 2016, 26, 135-138.	5.7	40

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37	Perivascular adipose tissue-derived stromal cells contribute to vascular remodeling during aging. <i>Aging Cell</i> , 2019, 18, e12969.	3.0	40
38	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, 1634-1637.	5.7	39
39	Genome-wide annotation and analysis of zebra finch microRNA repertoire reveal sex-biased expression. <i>BMC Genomics</i> , 2012, 13, 727.	1.2	39
40	Accurate and fast cell marker gene identification with COSG. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	39
41	Ubiquitously expressed genes participate in cell-specific functions via alternative promoter usage. <i>EMBO Reports</i> , 2016, 17, 1304-1313.	2.0	26
42	Endogenous Small RNA Clusters in Plants. <i>Genomics, Proteomics and Bioinformatics</i> , 2014, 12, 64-71.	3.0	24
43	Dynamic chromatin changes associated with <i>de novo</i> centromere formation in maize euchromatin. <i>Plant Journal</i> , 2016, 88, 854-866.	2.8	23
44	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.	1.1	22
45	A multi-axis robot-based bioprinting system supporting natural cell function preservation and cardiac tissue fabrication. <i>Bioactive Materials</i> , 2022, 18, 138-150.	8.6	21
46	Durable pluripotency and haploidy in epiblast stem cells derived from haploid embryonic stem cells <i>in vitro</i> . <i>Journal of Molecular Cell Biology</i> , 2015, 7, 326-337.	1.5	19
47	Bioinformatic analysis of microRNA biogenesis and function related proteins in eleven animal genomes. <i>Journal of Genetics and Genomics</i> , 2009, 36, 591-601.	1.7	16
48	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.	1.7	16
49	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.	4.1	14
50	Identification and Characterization of Small RNAs in the Hyperthermophilic Archaeon <i>Sulfolobus solfataricus</i> . <i>PLoS ONE</i> , 2012, 7, e35306.	1.1	14
51	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.	1.6	14
52	Novel roles of an intragenic G-quadruplex in controlling microRNA expression and cardiac function. <i>Nucleic Acids Research</i> , 2021, 49, 2522-2536.	6.5	14
53	ISRNA: an integrative online toolkit for short reads from high-throughput sequencing data. <i>Bioinformatics</i> , 2014, 30, 434-436.	1.8	9
54	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.	1.7	7

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55	Long noncoding RNA <i>lnc-NAP</i> sponges mmu-miR-139-5p to modulate <i>Nanog</i> functions in mouse ESCs and embryos. <i>RNA Biology</i> , 2021, 18, 875-887.	1.5	6
56	Influence of feeder cells on transcriptomic analysis of pluripotent stem cells. <i>Cell Proliferation</i> , 2022, 55, e13189.	2.4	6
57	Rising from Ashes: Non-Coding RNAs Come of Age. <i>Journal of Genetics and Genomics</i> , 2013, 40, 141-142.	1.7	3
58	Dynamic transcriptome landscape in the song nucleus HVC between juvenile and adult zebra finches. <i>Genetics & Genomics Next</i> , 2021, 2, e10035.	0.8	3
59	Intermedin ¹⁻⁵³ Inhibits NLRP3 Inflammasome Activation by Targeting IRE1 β in Cardiac Fibrosis. <i>Inflammation</i> , 2022, 45, 1568-1584.	1.7	3
60	Bioinformaticians wrestling with the big biomedical data. <i>Journal of Genetics and Genomics</i> , 2017, 44, 223-225.	1.7	2
61	Early transcriptomic profiling variation caused by cluster allergen immunotherapy. <i>Chinese Medical Journal</i> , 2020, 133, 1366-1368.	0.9	1
62	Stinging Insect Allergens. <i>Current Protein and Peptide Science</i> , 2020, 21, 142-152.	0.7	1
63	Regulation beyond genome sequences: DNA and histone methylation in embryonic stem cells. <i>Frontiers in Biology</i> , 2010, 5, 41-47.	0.7	0
64	Bayesian networks: a powerful tool for systems biology study. <i>Frontiers in Biology</i> , 2010, 5, 95-96.	0.7	0
65	Omics tools for the needle out of haystack?. <i>Journal of Genetics and Genomics</i> , 2018, 45, 343-344.	1.7	0
66	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.	0.5	0