Mo-Fang Liu

List of Publications by Citations

37 papers	2,171 citations	20 h-index	40 g-index
40 ext. papers	2,666 ext. citations	18.8 avg, IF	4.44 L-index

#	Paper	IF	Citations
37	MicroRNA-155 functions as an OncomiR in breast cancer by targeting the suppressor of cytokine signaling 1 gene. *Cancer Research*, **2010**, 70, 3119-27	10.1	531
36	A novel miR-155/miR-143 cascade controls glycolysis by regulating hexokinase 2 in breast cancer cells. *EMBO Journal*, **2012**, 31, 1985-98	13	249
35	Pachytene piRNAs instruct massive mRNA elimination during late spermiogenesis. *Cell Research*, **2014**, 24, 680-700	24.7	238
34	MIWI and piRNA-mediated cleavage of messenger RNAs in mouse testes. *Cell Research*, **2015**, 25, 193-207	24.7	185
33	Ubiquitination-Deficient Mutations in Human Piwi Cause Male Infertility by Impairing Histone-to-Protamine Exchange during Spermiogenesis. *Cell*, **2017**, 169, 1090-1104.e13	56.2	116
32	IL-1β-mediated repression of microRNA-101 is crucial for inflammation-promoted lung tumorigenesis. *Cancer Research*, **2014**, 74, 4720-30	10.1	81
31	piRNA-triggered MIWI ubiquitination and removal by APC/C in late spermatogenesis. *Developmental Cell*, **2013**, 24, 13-25	10.2	80
30	KRAS/NF-κB/YY1/miR-489 Signaling Axis Controls Pancreatic Cancer Metastasis. *Cancer Research*, **2017**, 77, 100-111	10.1	70
29	Hepatic miR-378 targets p110α and controls glucose and lipid homeostasis by modulating hepatic insulin signalling. *Nature Communications*, **2014**, 5, 5684	17.4	70
28	Thyroid hormone regulates muscle fiber type conversion via miR-133a1. *Journal of Cell Biology*, **2014**, 207, 753-66	7.3	65
27	Suppression of miR-199a maturation by HuR is crucial for hypoxia-induced glycolytic switch in hepatocellular carcinoma. *EMBO Journal*, **2015**, 34, 2671-85	13	63
26	A Translation-Activating Function of MIWI/piRNA during Mouse Spermiogenesis. *Cell*, **2019**, 179, 1566-1581.e16	36.2	61
25	Novel function of PIWIL1 in neuronal polarization and migration via regulation of microtubule-associated proteins. *Molecular Brain*, **2015**, 8, 39	4.5	31
24	A sequence of 28S rRNA-derived small RNAs is enriched in mature sperm and various somatic tissues and possibly associates with inflammation. *Journal of Molecular Cell Biology*, **2017**, 9, 256-259	6.3	30
23	LARP7-Mediated U6 snRNA Modification Ensures Splicing Fidelity and Spermatogenesis in Mice. *Molecular Cell*, **2020**, 77, 999-1013.e6	17.6	27
22	(18)F-FDG PET/CT for Monitoring the Response of Breast Cancer to miR-143-Based Therapeutics by Targeting Tumor Glycolysis. *Molecular Therapy - Nucleic Acids*, **2016**, 5, e357	10.7	27
21	The Alazami Syndrome-Associated Protein LARP7 Guides U6 Small Nuclear RNA Modification and Contributes to Splicing Robustness. *Molecular Cell*, **2020**, 77, 1014-1031.e13	17.6	26

20	MicroRNA regulation and analytical methods in cancer cell metabolism. *Cellular and Molecular Life Sciences*, **2017**, 74, 2929-2941	10.3	25
19	Onconase downregulates microRNA expression through targeting microRNA precursors. *Cell Research*, **2012**, 22, 1199-202	24.7	25
18	piRNA-independent function of PIWIL1 as a co-activator for anaphase promoting complex/cyclosome to drive pancreatic cancer metastasis. *Nature Cell Biology*, **2020**, 22, 425-438	23.4	23
17	Initiation of Parental Genome Reprogramming in Fertilized Oocyte by Splicing Kinase SRPK1-Catalyzed Protamine Phosphorylation. *Cell*, **2020**, 180, 1212-1227.e14	56.2	20
16	The histone modification reader ZCWPW1 is required for meiosis prophase I in male but not in female mice. *Science Advances*, **2019**, 5, eaax1101	14.3	20
15	PHF7 is a novel histone H2A E3 ligase prior to histone-to-protamine exchange during spermiogenesis. *Development (Cambridge)*, **2019**, 146,	6.6	16
14	hENT1 reverses chemoresistance by regulating glycolysis in pancreatic cancer. *Cancer Letters*, **2020**, 479, 112-122	9.9	15
13	MicroRNA-155 broadly orchestrates inflammation-induced changes of microRNA expression in breast cancer. *Cell Research*, **2014**, 24, 254-7	24.7	15
12	Small noncoding RNAs and male infertility. *Wiley Interdisciplinary Reviews RNA*, **2014**, 5, 733-45	9.3	14
11	A dual role of the PIWI/piRNA machinery in regulating mRNAs during mouse spermiogenesis. *Science China Life Sciences*, **2020**, 63, 447-449	8.5	10
10	PHB regulates meiotic recombination via JAK2-mediated histone modifications in spermatogenesis. *Nucleic Acids Research*, **2020**, 48, 4780-4796	20.1	8
9	Arginyl-tRNA synthetase with signature sequence KMSK from Bacillus stearothermophilus. *Biochemical Journal*, **2003**, 376, 773-9	3.8	8
8	Potential transmission chains of variant B.1.1.7 and co-mutations of SARS-CoV-2. *Cell Discovery*, **2021**, 7, 44	22.3	8
7	Therapeutic Delivery of miR-143 Targeting Tumor Metabolism in Poorly Differentiated Thyroid Cancer Xenografts and Efficacy Evaluation Using F-FDG MicroPET-CT. *Human Gene Therapy*, **2019**, 30, 882-892	4.8	5
6	Knockout of glutathione peroxidase 5 down-regulates the piRNAs in the caput epididymidis of aged mice. *Asian Journal of Andrology*, **2020**, 22, 590-601	2.8	3
5	Deficiency of X-linked TENT5D causes male infertility by disrupting the mRNA stability during spermatogenesis.. *Cell Discovery*, **2022**, 8, 23	22.3	1
4	Defective piRNA Processing and Azoospermia.. *New England Journal of Medicine*, **2022**, 386, 1674-1675	59.2	1
3	Reply to Lack of evidence for a role of PIWIL1 variants in human male infertility. *Cell*, **2021**, 184, 1943-1946	56.2	0

2	piRNA 3′uridylation facilitates the assembly of MIWI/piRNA complex for efficient target regulation in mouse male germ cells.. *Cell Research*, **2022**,	24.7	0
1	A Strong Promoter Provided with the Gene Encoding Arginyl-tRNA Synthetase(argS) from Escherichia coli. *Sheng Wu Hua Xue Yu Sheng Wu Wu Li Xue Bao Acta Biochimica Et Biophysica Sinica*, **2000**, 32, 435-440		