Mingxi Liu

List of Publications by Year in Descending Order

40 papers	1,400 citations	16 h-index	37 g-index
48 ext. papers	1,990 ext. citations	8 avg, IF	4.09 L-index

#	Paper	IF	Citations
40	Testis-enriched is not required for spermatogenesis and fertility in mice.. *Translational Andrology and Urology*, **2022**, 11, 168-178	2.3	
39	A homozygous loss-of-function mutation in FBXO43 causes human non-obstructive azoospermia. *Clinical Genetics*, **2022**, 101, 55-64	4	1
38	Bi-allelic variants in human WDR63 cause male infertility via abnormal inner dynein arms assembly. *Cell Discovery*, **2021**, 7, 110	22.3	1
37	Novel bi-allelic variants in ACTL7A are associated with male infertility and total fertilization failure. *Human Reproduction*, **2021**, 36, 3161-3169	5.7	0
36	Sexual Dimorphism in Mouse Meiosis. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 670599	5.7	2
35	is not required for fertility in male mice. *Translational Andrology and Urology*, **2021**, 10, 1988-1999	2.3	4
34	Single-cell RNA-Seq reveals a highly coordinated transcriptional program in mouse germ cells during primordial follicle formation. *Aging Cell*, **2021**, 20, e13424	9.9	4
33	Loss of DRC1 function leads to multiple morphological abnormalities of the sperm flagella and male infertility in human and mouse. *Human Molecular Genetics*, **2021**, 30, 1996-2011	5.6	7
32	Human X chromosome exome sequencing identifies as contributor to spermatogenesis. *Journal of Medical Genetics*, **2021**, 58, 56-65	5.8	4
31	Retinoic Acid Induced Protein 14 () is dispensable for mouse spermatogenesis. *PeerJ*, **2021**, 9, e10847	3.1	6
30	Knockout Gene-Based Evidence for PIWI-Interacting RNA Pathway in Mammals. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 681188	5.7	3
29	LRRC23 is a conserved component of the radial spoke that is necessary for sperm motility and male fertility in mice. *Journal of Cell Science*, **2021**, 134,	5.3	2
28	The 18S rRNA m A methyltransferase METTL5 promotes mouse embryonic stem cell differentiation. *EMBO Reports*, **2020**, 21, e49863	6.5	15
27	The heat shock protein family gene in male mice is dispensable for fertility. *PeerJ*, **2020**, 8, e8702	3.1	7
26	Spermatogenesis is normal in knockout mice. *PeerJ*, **2020**, 8, e9629	3.1	4
25	Biallelic mutations in cause male infertility with multiple morphological abnormalities of the sperm flagella in humans and mice. *Journal of Medical Genetics*, **2020**, 57, 89-95	5.8	30
24	Dual functions for the ssDNA-binding protein RPA in meiotic recombination. *PLoS Genetics*, **2019**, 15, e1007952	6	33

23	ATP synthase is required for male fertility and germ cell maturation in Drosophila testes. *Molecular Medicine Reports*, **2019**, 19, 1561-1570	2.9	4
22	RSBP15 interacts with and stabilizes dRSPH3 during sperm axoneme assembly in Drosophila. *Journal of Genetics and Genomics*, **2019**, 46, 281-290	4	4
21	Precursor RNA processing 3 is required for male fertility, and germline stem cell self-renewal and differentiation via regulating spliceosome function in Drosophila testes. *Scientific Reports*, **2019**, 9, 9988	4.9	2
20	UHRF1 suppresses retrotransposons and cooperates with PRMT5 and PIWI proteins in male germ cells. *Nature Communications*, **2019**, 10, 4705	17.4	25
19	Normal spermatogenesis in (fibronectin type 3 and ankyrin repeat domains 1) mutant mice. *PeerJ*, **2019**, 7, e6827	3.1	7
18	FBXO47 regulates telomere-inner nuclear envelope integration by stabilizing TRF2 during meiosis. *Nucleic Acids Research*, **2019**, 47, 11755-11770	20.1	16
17	A cancer-testis non-coding RNA LIN28B-AS1 activates driver gene LIN28B by interacting with IGF2BP1 in lung adenocarcinoma. *Oncogene*, **2019**, 38, 1611-1624	9.2	45
16	Single-cell RNA-seq uncovers dynamic processes and critical regulators in mouse spermatogenesis. *Cell Research*, **2018**, 28, 879-896	24.7	133
15	MORC2B is essential for meiotic progression and fertility. *PLoS Genetics*, **2018**, 14, e1007175	6	4
14	Cancer-testis gene PIWIL1 promotes cell proliferation, migration, and invasion in lung adenocarcinoma. *Cancer Medicine*, **2018**, 7, 157-166	4.8	34
13	Ythdc2 is an N-methyladenosine binding protein that regulates mammalian spermatogenesis. *Cell Research*, **2017**, 27, 1115-1127	24.7	404
12	TCTE1 is a conserved component of the dynein regulatory complex and is required for motility and metabolism in mouse spermatozoa. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E5370-E5378	11.5	47
11	An essential role for PNLDC1 in piRNA 3Vend trimming and male fertility in mice. *Cell Research*, **2017**, 27, 1392-1396	24.7	44
10	Systematic identification of genes with a cancer-testis expression pattern in 19 cancer types. *Nature Communications*, **2016**, 7, 10499	17.4	80
9	Major spliceosome defects cause male infertility and are associated with nonobstructive azoospermia in humans. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 4134-9	11.5	38
8	Complete Meiosis from Embryonic Stem Cell-Derived Germ Cells In Vitro. *Cell Stem Cell*, **2016**, 18, 330-40	18	250
7	Comparative transcriptome analysis reveals a regulatory network of microRNA-29b during mouse early embryonic development. *Oncotarget*, **2016**, 7, 53772-53782	3.3	6
6	The human sperm proteome 2.0: An integrated resource for studying sperm functions at the level of posttranslational modification. *Proteomics*, **2016**, 16, 2597-2601	4.8	18

5	SHCBP1L, a conserved protein in mammals, is predominantly expressed in male germ cells and maintains spindle stability during meiosis in testis. *Molecular Human Reproduction*, **2014**, 20, 463-75	4.4	24
4	Scanning of novel cancer/testis proteins by human testis proteomic analysis. *Proteomics*, **2013**, 13, 1200-18	4.8	47
3	HORMAD2/CT46.2, a novel cancer/testis gene, is ectopically expressed in lung cancer tissues. *Molecular Human Reproduction*, **2012**, 18, 599-604	4.4	25
2	Transient scrotal hyperthermia induces lipid droplet accumulation and reveals a different ADFP expression pattern between the testes and liver in mice. *PLoS ONE*, **2012**, 7, e45694	3.7	15
1	CFAP61 is required for sperm flagellum formation and male fertility in human and mouse		1