

Wei Yan

List of Publications by Year in Descending Order

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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.

70
papers

3,544
citations

35
h-index

59
g-index

87
ext. papers

4,566
ext. citations

6.8
avg, IF

5.61
L-index

#	Paper	IF	Citations
70	AASRA: an anchor alignment-based small RNA annotation pipeline <i>Biology of Reproduction</i> , 2021 , 105, 267-277	3.9	5
69	Dnmt2-null sperm block maternal transmission of a paramutant phenotype <i>Biology of Reproduction</i> , 2021 , 105, 603-612	3.9	0
68	Oviductal motile cilia are essential for oocyte pickup but dispensable for sperm and embryo transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	10
67	Triptonide is a reversible non-hormonal male contraceptive agent in mice and non-human primates. <i>Nature Communications</i> , 2021 , 12, 1253	17.4	7
66	Beyond Genes: Germline Disruption in the Etiology of Autism Spectrum Disorders. <i>Journal of Autism and Developmental Disorders</i> , 2021 , 1	4.6	1
65	Efficient genome editing by CRISPR-Mb3Cas12a in mice. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	5
64	Elimination of long 3'UTR mRNA isoform by CRISPR-Cas9 gene editing impairs dorsal root ganglion development and hippocampal neuron activation in mice. <i>Rna</i> , 2020 , 26, 1414-1430	5.8	10
63	mA-dependent biogenesis of circular RNAs in male germ cells. <i>Cell Research</i> , 2020 , 30, 211-228	24.7	63
62	Celebrating the Silver Anniversary of the North American Testis Workshop. <i>Andrology</i> , 2020 , 8, 820-824	4.2	
61	X-linked miR-506 family miRNAs promote FMRP expression in mouse spermatogonia. <i>EMBO Reports</i> , 2020 , 21, e49024	6.5	3
60	An interview with Dr Michael Griswold. <i>Biology of Reproduction</i> , 2020 , 103, 681-683	3.9	
59	Both Cauda and Caput Epididymal Sperm Are Capable of Supporting Full-Term Development in FVB and CD-1 Mice. <i>Developmental Cell</i> , 2020 , 55, 675-676	10.2	7
58	Assessment of operant learning and memory in mice born through ICSI. <i>Human Reproduction</i> , 2020 , 35, 2058-2071	5.7	1
57	Epigenetic transgenerational inheritance of testis pathology and Sertoli cell epimutations: generational origins of male infertility. <i>Environmental Epigenetics</i> , 2019 , 5, dvz013	2.4	12
56	MYCT1 represses apoptosis of laryngeal cancerous cells through the MAX/miR-181a/NPM1 pathway. <i>FEBS Journal</i> , 2019 , 286, 3892-3908	5.7	8
55	Inflammation induced by faulty replication during embryonic development causes skewed sex ratio. <i>Biology of Reproduction</i> , 2019 , 101, 259-261	3.9	0
54	Insertion of a chimeric retrotransposon sequence in mouse locus causes metastable kinky tail phenotype. <i>Mobile DNA</i> , 2019 , 10, 17	4.4	3

53	Environmental Toxicant Induced Epigenetic Transgenerational Inheritance of Prostate Pathology and Stromal-Epithelial Cell Epigenome and Transcriptome Alterations: Ancestral Origins of Prostate Disease. <i>Scientific Reports</i> , 2019 , 9, 2209	4.9	24
52	Motile cilia of the male reproductive system require miR-34/miR-449 for development and function to generate luminal turbulence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3584-3593	11.5	37
51	Dnmt2 mediates intergenerational transmission of paternally acquired metabolic disorders through sperm small non-coding RNAs. <i>Nature Cell Biology</i> , 2018 , 20, 535-540	23.4	183
50	ALKBH5-dependent m6A demethylation controls splicing and stability of long 3'UTR mRNAs in male germ cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E325-E333	11.5	226
49	Regulation of Spermatogenesis by Noncoding RNAs 2018 , 90-92		
48	Alterations in sperm DNA methylation, non-coding RNA and histone retention associate with DDT-induced epigenetic transgenerational inheritance of disease. <i>Epigenetics and Chromatin</i> , 2018 , 11, 8	5.8	106
47	Alterations in sperm DNA methylation, non-coding RNA expression, and histone retention mediate vinclozolin-induced epigenetic transgenerational inheritance of disease. <i>Environmental Epigenetics</i> , 2018 , 4, dvj010	2.4	100
46	Prps111, a testis-specific gene, is dispensable for mouse spermatogenesis. <i>Molecular Reproduction and Development</i> , 2018 , 85, 802-804	2.6	4
45	Environmental toxicant induced epigenetic transgenerational inheritance of ovarian pathology and granulosa cell epigenome and transcriptome alterations: ancestral origins of polycystic ovarian syndrome and primary ovarian insufficiency. <i>Epigenetics</i> , 2018 , 13, 875-895	5.7	36
44	Next-generation sequencing reveals differentially expressed small noncoding RNAs in uterine leiomyoma. <i>Fertility and Sterility</i> , 2018 , 109, 919-929	4.8	11
43	MicroRNAs control mRNA fate by compartmentalization based on 3'UTR length in male germ cells. <i>Genome Biology</i> , 2017 , 18, 105	18.3	29
42	piRNA-independent PIWI function in spermatogenesis and male fertility. <i>Biology of Reproduction</i> , 2017 , 96, 1121-1123	3.9	4
41	Chemical and physical guidance of fish spermatozoa into the egg through the micropyle. <i>Biology of Reproduction</i> , 2017 , 96, 780-799	3.9	48
40	Mark it for destruction: a novel role of mRNA methylation in maternal-to-zygotic transition. <i>Biology of Reproduction</i> , 2017 , 96, 829-830	3.9	
39	Loss of LMOD1 impairs smooth muscle cytocontractility and causes megacystis microcolon intestinal hypoperistalsis syndrome in humans and mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2739-E2747	11.5	62
38	Microfluidics-based digital quantitative PCR for single-cell small RNA quantification. <i>Biology of Reproduction</i> , 2017 , 97, 490-496	3.9	4
37	An interview with Magdalena Zernicka-Goetz. <i>Biology of Reproduction</i> , 2017 , 96, 503-504	3.9	1
36	SpermBase: A Database for Sperm-Borne RNA Contents. <i>Biology of Reproduction</i> , 2016 , 95, 99	3.9	60

35	Ancestral vinclozolin exposure alters the epigenetic transgenerational inheritance of sperm small noncoding RNAs. <i>Environmental Epigenetics</i> , 2016 , 2,	2.4	62
34	Sperm-borne miRNAs and endo-siRNAs are important for fertilization and preimplantation embryonic development. <i>Development (Cambridge)</i> , 2016 , 143, 635-47	6.6	134
33	UPF2-Dependent Nonsense-Mediated mRNA Decay Pathway Is Essential for Spermatogenesis by Selectively Eliminating Longer 3'UTR Transcripts. <i>PLoS Genetics</i> , 2016 , 12, e1005863	6	49
32	Paternal pachytene piRNAs are not required for fertilization, embryonic development and sperm-mediated epigenetic inheritance in mice. <i>Environmental Epigenetics</i> , 2016 , 2,	2.4	2
31	MicroRNA-34/449 controls mitotic spindle orientation during mammalian cortex development. <i>EMBO Journal</i> , 2016 , 35, 2386-2398	13	41
30	Epigenetic inheritance of acquired traits through sperm RNAs and sperm RNA modifications. <i>Nature Reviews Genetics</i> , 2016 , 17, 733-743	30.1	298
29	mir-34b/c and mir-449a/b/c are required for spermatogenesis, but not for the first cleavage division in mice. <i>Biology Open</i> , 2015 , 4, 212-23	2.2	98
28	Breeding scheme and maternal small RNAs affect the efficiency of transgenerational inheritance of a paramutation in mice. <i>Scientific Reports</i> , 2015 , 5, 9266	4.9	39
27	Escape of X-linked miRNA genes from meiotic sex chromosome inactivation. <i>Development (Cambridge)</i> , 2015 , 142, 3791-800	6.6	19
26	A testis-specific gene, Ubqln1, is dispensable for mouse embryonic development and spermatogenesis. <i>Molecular Reproduction and Development</i> , 2015 , 82, 408-9	2.6	14
25	Spata6 is required for normal assembly of the sperm connecting piece and tight head-tail conjunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E430-9	11.5	77
24	UPF2, a nonsense-mediated mRNA decay factor, is required for prepubertal Sertoli cell development and male fertility by ensuring fidelity of the transcriptome. <i>Development (Cambridge)</i> , 2015 , 142, 352-62	6.6	21
23	shRNA off-target effects in vivo: impaired endogenous siRNA expression and spermatogenic defects. <i>PLoS ONE</i> , 2015 , 10, e0118549	3.7	6
22	Pervasive Genotypic Mosaicism in Founder Mice Derived from Genome Editing through Pronuclear Injection. <i>PLoS ONE</i> , 2015 , 10, e0129457	3.7	40
21	Potential roles of noncoding RNAs in environmental epigenetic transgenerational inheritance. <i>Molecular and Cellular Endocrinology</i> , 2014 , 398, 24-30	4.4	66
20	A novel class of somatic small RNAs similar to germ cell pachytene PIWI-interacting small RNAs. <i>Journal of Biological Chemistry</i> , 2014 , 289, 32824-34	5.4	22
19	Murine follicular development requires oocyte DICER, but not DROSHA. <i>Biology of Reproduction</i> , 2014 , 91, 39	3.9	29
18	Two miRNA clusters, miR-34b/c and miR-449, are essential for normal brain development, motile ciliogenesis, and spermatogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E2851-7	11.5	185

17	Incomplete cre-mediated excision leads to phenotypic differences between Stra8-iCre; Mov10l1(lox/lox) and Stra8-iCre; Mov10l1(lox/Δ) mice. <i>Genesis</i> , 2013 , 51, 481-90	1.9	40
16	The mitochondrial genome encodes abundant small noncoding RNAs. <i>Cell Research</i> , 2013 , 23, 759-74	24.7	125
15	Proteomic analyses reveal a role of cytoplasmic droplets as an energy source during epididymal sperm maturation. <i>PLoS ONE</i> , 2013 , 8, e77466	3.7	43
14	The RNase III enzyme DROSHA is essential for microRNA production and spermatogenesis. <i>Journal of Biological Chemistry</i> , 2012 , 287, 25173-90	5.4	142
13	Male germline control of transposable elements. <i>Biology of Reproduction</i> , 2012 , 86, 162, 1-14	3.9	40
12	Control of messenger RNA fate by RNA-binding proteins: an emphasis on mammalian spermatogenesis. <i>Journal of Andrology</i> , 2012 , 33, 309-37		65
11	Male germ cells express abundant endogenous siRNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 13159-64	11.5	117
10	Zmynd15 encodes a histone deacetylase-dependent transcriptional repressor essential for spermiogenesis and male fertility. <i>Journal of Biological Chemistry</i> , 2010 , 285, 31418-26	5.4	39
9	Detection and quantitative analysis of small RNAs by PCR. <i>Methods in Molecular Biology</i> , 2010 , 629, 295-305		8
8	Sex chromosome inactivation in the male. <i>Epigenetics</i> , 2009 , 4, 452-6	5.7	50
7	Many X-linked microRNAs escape meiotic sex chromosome inactivation. <i>Nature Genetics</i> , 2009 , 41, 488-93	36.3	163
6	Male infertility caused by spermiogenic defects: lessons from gene knockouts. <i>Molecular and Cellular Endocrinology</i> , 2009 , 306, 24-32	4.4	143
5	Spermiogenic Defects and Male Infertility. Wei Yan, M.D., Ph.D.. <i>Biology of Reproduction</i> , 2009 , 81, 54-54	3.9	
4	Birth of mice after intracytoplasmic injection of single purified sperm nuclei and detection of messenger RNAs and MicroRNAs in the sperm nuclei. <i>Biology of Reproduction</i> , 2008 , 78, 896-902	3.9	63
3	Transgenic Rescue of Male Infertility Caused by Haploinsufficiency of Klhl10 in Mice.. <i>Biology of Reproduction</i> , 2008 , 78, 196-196	3.9	
2	Catsper3 and Catsper4 are essential for sperm hyperactivated motility and male fertility in the mouse. <i>Biology of Reproduction</i> , 2007 , 77, 37-44	3.9	124
1	Lack of Spem1 causes aberrant cytoplasm removal, sperm deformation, and male infertility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 6852-7	11.5	105