

# P Jeremy Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

3,773  
citations

186265  
28  
h-index

149698  
56  
g-index

62  
all docs

62  
docs citations

62  
times ranked

4679  
citing authors

#	ARTICLE	IF	CITATIONS
1	An abundance of X-linked genes expressed in spermatogonia. <i>Nature Genetics</i> , 2001, 27, 422-426.	21.4	735
2	Nuclear m6A reader YTHDC1 regulates alternative polyadenylation and splicing during mouse oocyte development. <i>PLoS Genetics</i> , 2018, 14, e1007412.	3.5	386
3	Mouse SYCP2 is required for synaptonemal complex assembly and chromosomal synapsis during male meiosis. <i>Journal of Cell Biology</i> , 2006, 173, 497-507.	5.2	235
4	Hormad1 Mutation Disrupts Synaptonemal Complex Formation, Recombination, and Chromosome Segregation in Mammalian Meiosis. <i>PLoS Genetics</i> , 2010, 6, e1001190.	3.5	179
5	<i>TEX11</i> is mutated in infertile men with azoospermia and regulates genome-wide recombination rates in mouse. <i>EMBO Molecular Medicine</i> , 2015, 7, 1198-1210.	6.9	145
6	The RNA helicase MOV10L1 binds piRNA precursors to initiate piRNA processing. <i>Genes and Development</i> , 2015, 29, 617-629.	5.9	143
7	Differential expression of sex-linked and autosomal germ-cell-specific genes during spermatogenesis in the mouse. <i>Human Molecular Genetics</i> , 2005, 14, 2911-2918.	2.9	131
8	MEIOB exhibits single-stranded DNA-binding and exonuclease activities and is essential for meiotic recombination. <i>Nature Communications</i> , 2013, 4, 2788.	12.8	120
9	RNF17, a component of the mammalian germ cell nuage, is essential for spermiogenesis. <i>Development (Cambridge)</i> , 2005, 132, 4029-4039.	2.5	119
10	Blockade of Pachytene piRNA Biogenesis Reveals a Novel Requirement for Maintaining Post-Meiotic Germline Genome Integrity. <i>PLoS Genetics</i> , 2012, 8, e1003038.	3.5	107
11	X chromosomes, retrogenes and their role in male reproduction. <i>Trends in Endocrinology and Metabolism</i> , 2004, 15, 79-83.	7.1	106
12	Functional substitution for TAFII250 by a retroposed homolog that is expressed in human spermatogenesis. <i>Human Molecular Genetics</i> , 2002, 11, 2341-2346.	2.9	83
13	Mammalian piRNAs. <i>Spermatogenesis</i> , 2014, 4, e27889.	0.8	80
14	RPL10L Is Required for Male Meiotic Division by Compensating for RPL10 during Meiotic Sex Chromosome Inactivation in Mice. <i>Current Biology</i> , 2017, 27, 1498-1505.e6.	3.9	78
15	MNS1 Is Essential for Spermiogenesis and Motile Ciliary Functions in Mice. <i>PLoS Genetics</i> , 2012, 8, e1002516.	3.5	74
16	Multiple LINEs of retrotransposon silencing mechanisms in the mammalian germline. <i>Seminars in Cell and Developmental Biology</i> , 2016, 59, 118-125.	5.0	69
17	<i>Taf7l</i> cooperates with <i>Trf2</i> to regulate spermiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16886-16891.	7.1	62
18	Dual functions for the ssDNA-binding protein RPA in meiotic recombination. <i>PLoS Genetics</i> , 2019, 15, e1007952.	3.5	61

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19	Polycomb Protein SCML2 Associates with USP7 and Counteracts Histone H2A Ubiquitination in the XY Chromatin during Male Meiosis. <i>PLoS Genetics</i> , 2015, 11, e1004954.	3.5	58
20	Type I Interferon Controls Propagation of Long Interspersed Element-1. <i>Journal of Biological Chemistry</i> , 2015, 290, 10191-10199.	3.4	56
21	Inactivation of Nxf2 causes defects in male meiosis and age-dependent depletion of spermatogonia. <i>Developmental Biology</i> , 2009, 330, 167-174.	2.0	53
22	Meiosis-specific proteins MEIOB and SPATA22 cooperatively associate with the single-stranded DNA-binding replication protein A complex and DNA double-strand breaks. <i>Biology of Reproduction</i> , 2017, 96, 1096-1104.	2.7	44
23	SKP1 drives the prophase I to metaphase I transition during male meiosis. <i>Science Advances</i> , 2020, 6, eaaz2129.	10.3	44
24	The BRCA2-MEILB2-BRME1 complex governs meiotic recombination and impairs the mitotic BRCA2-RAD51 function in cancer cells. <i>Nature Communications</i> , 2020, 11, 2055.	12.8	42
25	Regulation of Male Fertility by X-Linked Genes. <i>Journal of Andrology</i> , 2010, 31, 79-85.	2.0	41
26	Dual functions of TAF7L in adipocyte differentiation. <i>ELife</i> , 2013, 2, e00170.	6.0	41
27	The Ubiquitin Ligase Ubr2, a Recognition E3 Component of the N-End Rule Pathway, Stabilizes Tex19.1 during Spermatogenesis. <i>PLoS ONE</i> , 2010, 5, e14017.	2.5	37
28	Non-muscle myosin IIB is essential for cytokinesis during male meiotic cell divisions. <i>Developmental Biology</i> , 2012, 369, 356-361.	2.0	37
29	Functions of cyclins and CDKs in mammalian gametogenesis. <i>Biology of Reproduction</i> , 2019, 101, 591-601.	2.7	36
30	TEX15 associates with MILI and silences transposable elements in male germ cells. <i>Genes and Development</i> , 2020, 34, 745-750.	5.9	33
31	HDAC3 controls male fertility through enzyme-independent transcriptional regulation at the meiotic exit of spermatogenesis. <i>Nucleic Acids Research</i> , 2021, 49, 5106-5123.	14.5	25
32	YTHDC2 is essential for pachytene progression and prevents aberrant microtubule-driven telomere clustering in male meiosis. <i>Cell Reports</i> , 2021, 37, 110110.	6.4	24
33	Mutations in the MOV10L1 ATP Hydrolysis Motif Cause piRNA Biogenesis Failure and Male Sterility in Mice. <i>Biology of Reproduction</i> , 2016, 95, 103-103.	2.7	23
34	Accelerated reproductive aging in females lacking a novel centromere protein SYCP2L. <i>Human Molecular Genetics</i> , 2015, 24, 6505-6514.	2.9	18
35	Ubl4b, an X-derived retrogene, is specifically expressed in post-meiotic germ cells in mammals. <i>Gene Expression Patterns</i> , 2007, 7, 131-136.	0.8	17
36	The role of spermatogonially expressed germ cell-specific genes in mammalian meiosis. <i>Chromosome Research</i> , 2007, 15, 623-632.	2.2	17

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37	STK31/TDRD8, a Germ Cell-Specific Factor, Is Dispensable for Reproduction in Mice. <i>PLoS ONE</i> , 2014, 9, e89471.	2.5	17
38	The ssDNA-binding protein MEIOB acts as a dosage-sensitive regulator of meiotic recombination. <i>Nucleic Acids Research</i> , 2020, 48, 12219-12233.	14.5	17
39	Histone methyltransferase DOT1L is essential for self-renewal of germline stem cells. <i>Genes and Development</i> , 2022, 36, 752-763.	5.9	17
40	A 1.1-Mb Segmental Deletion on the X Chromosome Causes Meiotic Failure in Male Mice. <i>Biology of Reproduction</i> , 2013, 88, 159-159.	2.7	16
41	C2CD6 regulates targeting and organization of the CatSper calcium channel complex in sperm flagella. <i>Development (Cambridge)</i> , 2022, 149, .	2.5	15
42	MORC2B is essential for meiotic progression and fertility. <i>PLoS Genetics</i> , 2018, 14, e1007175.	3.5	14
43	<i>Nxf3</i> is expressed in Sertoli cells, but is dispensable for spermatogenesis. <i>Molecular Reproduction and Development</i> , 2011, 78, 241-249.	2.0	13
44	Disruption of <i>Chtf18</i> Causes Defective Meiotic Recombination in Male Mice. <i>PLoS Genetics</i> , 2012, 8, e1002996.	3.5	13
45	Respiratory failure, cleft palate and epilepsy in the mouse model of human Xq22.1 deletion syndrome. <i>Human Molecular Genetics</i> , 2014, 23, 3823-3829.	2.9	12
46	The novel male meiosis recombination regulator coordinates the progression of meiosis prophase I. <i>Journal of Genetics and Genomics</i> , 2020, 47, 451-465.	3.9	11
47	mRBPome capture identifies the RNA binding protein TRIM71, an essential regulator of spermatogonial differentiation. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	11
48	SCF ubiquitin E3 ligase regulates DNA double-strand breaks in early meiotic recombination. <i>Nucleic Acids Research</i> , 2022, 50, 5129-5144.	14.5	11
49	Embryonic lethality and defective male germ cell development in mice lacking UTF1. <i>Scientific Reports</i> , 2017, 7, 17259.	3.3	10
50	yama, a mutant allele of <i>Mov10l1</i> , disrupts retrotransposon silencing and piRNA biogenesis. <i>PLoS Genetics</i> , 2021, 17, e1009265.	3.5	8
51	Tracking LINE1 retrotransposition in the germline. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7194-7196.	7.1	7
52	Recurrent pregnancy loss in mice lacking the X-linked <i>Ccnb3</i> gene. <i>Biology of Reproduction</i> , 2022, 106, 382-384.	2.7	5
53	FLACC1 is testis-specific but dispensable for fertility in mice. <i>Molecular Reproduction and Development</i> , 2020, 87, 1199-1201.	2.0	4
54	Genetic characterization of a missense mutation in the X-linked <i>TAF7L</i> gene identified in an oligozoospermic man. <i>Biology of Reproduction</i> , 2022, 107, 157-167.	2.7	4

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55	A cell-based high-content screen identifies isocotoin as a small molecule inhibitor of the meiosis-specific MEIOBâ€“SPATA22 complexâ€. <i>Biology of Reproduction</i> , 2020, 103, 333-342.	2.7	3
56	Golden opportunity for piRNA in female fertility. <i>Nature Cell Biology</i> , 2021, 23, 936-938.	10.3	3
57	Genetics of mammalian meiosis. , 2018, , 106-115.		2
58	Sex Chromosomes and Sex-Linked Genes in Spermatogenesis. , 2018, , 114-119.		0
59	A rat H1tâ€“GFP transgene recapitulates endogenous H1t expression pattern in mouse. <i>Genesis</i> , 2020, 58, e23355.	1.6	0