James M A Turner

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8005629/publications.pdf

Version: 2024-02-01

40 papers	5,460 citations	172457 29 h-index	289244 40 g-index
45 all docs	45 docs citations	45 times ranked	5681 citing authors

#	Article	IF	Citations
1	Enhancer Evolution across 20 Mammalian Species. Cell, 2015, 160, 554-566.	28.9	671
2	Meiotic sex chromosome inactivation. Development (Cambridge), 2007, 134, 1823-1831.	2.5	591
3	Silencing of unsynapsed meiotic chromosomes in the mouse. Nature Genetics, 2005, 37, 41-47.	21.4	500
4	BRCA1, Histone H2AX Phosphorylation, and Male Meiotic Sex Chromosome Inactivation. Current Biology, 2004, 14, 2135-2142.	3.9	368
5	The consequences of asynapsis for mammalian meiosis. Nature Reviews Genetics, 2009, 10, 207-216.	16.3	330
6	Genome editing reveals a role for OCT4 in human embryogenesis. Nature, 2017, 550, 67-73.	27.8	315
7	The mouse X chromosome is enriched for multicopy testis genes showing postmeiotic expression. Nature Genetics, 2008, 40, 794-799.	21.4	289
8	Pachytene Asynapsis Drives Meiotic Sex Chromosome Inactivation and Leads to Substantial Postmeiotic Repression in Spermatids. Developmental Cell, 2006, 10, 521-529.	7.0	258
9	Evidence that Meiotic Sex Chromosome Inactivation Is Essential for Male Fertility. Current Biology, 2010, 20, 2117-2123.	3.9	220
10	Meiotic Silencing in Mammals. Annual Review of Genetics, 2015, 49, 395-412.	7.6	184
11	Extensive meiotic asynapsis in mice antagonises meiotic silencing of unsynapsed chromatin and consequently disrupts meiotic sex chromosome inactivation. Journal of Cell Biology, 2008, 182, 263-276.	5.2	167
12	Rsx is a metatherian RNA with Xist-like properties in X-chromosome inactivation. Nature, 2012, 487, 254-258.	27.8	136
13	Meiotic DNA double-strand breaks and chromosome asynapsis in mice are monitored by distinct HORMAD2-independent and -dependent mechanisms. Genes and Development, 2012, 26, 958-973.	5.9	128
14	ATR acts stage specifically to regulate multiple aspects of mammalian meiotic silencing. Genes and Development, 2013, 27, 1484-1494.	5.9	127
15	Frequent loss of heterozygosity in CRISPR-Cas9â€“edited early human embryos. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	123
16	Meiotic sex chromosome inactivation in male mice with targeted disruptions of Xist. Journal of Cell Science, 2002, 115, 4097-4105.	2.0	119
17	Deletions on mouse Yq lead to upregulation of multiple X- and Y-linked transcripts in spermatids. Human Molecular Genetics, 2005, 14, 2705-2715.	2.9	91
18	Sex Chromosome Effects on Maleâ€“Female Differences in Mammals. Current Biology, 2018, 28, R1313-R1324.	3.9	75

#	Article	IF	Citations
19	Non-Canonical and Sexually Dimorphic X Dosage Compensation States in the Mouse and Human Germline. Developmental Cell, 2017, 40, 289-301.e3.	7.0	74
20	Phosphorylation of Chromosome Core Components May Serve as Axis Marks for the Status of Chromosomal Events during Mammalian Meiosis. PLoS Genetics, 2012, 8, e1002485.	3.5	68
21	SETDB1 Links the Meiotic DNA Damage Response to Sex Chromosome Silencing in Mice. Developmental Cell, 2018, 47, 645-659.e6.	7.0	68
22	ATR is a multifunctional regulator of male mouse meiosis. Nature Communications, 2018, 9, 2621.	12.8	66
23	Key Features of the X Inactivation Process Are Conserved between Marsupials and Eutherians. Current Biology, 2009, 19, 1478-1484.	3.9	65
24	Function of the Sex Chromosomes in Mammalian Fertility. Cold Spring Harbor Perspectives in Biology, 2011, 3, a002675-a002675.	5.5	60
25	Histone H2AFX Links Meiotic Chromosome Asynapsis to Prophase I Oocyte Loss in Mammals. PLoS Genetics, 2015, 11, e1005462.	3.5	55
26	Fertile offspring from sterile sex chromosome trisomic mice. Science, 2017, 357, 932-935.	12.6	45
27	DNA damage response protein TOPBP1 regulates X chromosome silencing in the mammalian germ line. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12536-12541.	7.1	43
28	Using RNA FISH to Study Gene Expression During Mammalian Meiosis. Methods in Molecular Biology, 2009, 558, 433-444.	0.9	39
29	Human Embryogenesis: A Comparative Perspective. Annual Review of Cell and Developmental Biology, 2020, 36, 411-440.	9.4	39
30	A single-cell transcriptome atlas of marsupial embryogenesis and XÂinactivation. Nature, 2020, 586, 612-617.	27.8	34
31	Mammalian meiotic silencing exhibits sexually dimorphic features. Chromosoma, 2016, 125, 215-226.	2.2	30
32	Y chromosome functions in mammalian spermatogenesis. ELife, 2021, 10, .	6.0	16
33	Epigenetics drive the evolution of sex chromosomes in animals and plants. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200124.	4.0	15
34	CRISPR-Cas9 effectors facilitate generation of single-sex litters and sex-specific phenotypes. Nature Communications, 2021, 12, 6926.	12.8	15
35	Advances and challenges in genetic technologies to produce single-sex litters. PLoS Genetics, 2020, 16, e1008898.	3.5	13
36	Meiosis 2007 â€“ Where have we got to and where are we going?. Chromosome Research, 2007, 15, 517-521.	2.2	8

#	Article	IF	Citations
37	Multiple 9-1-1 complexes promote homolog synapsis, DSB repair, and ATR signaling during mammalian meiosis. ELife, 2022, 11, .	6.0	7
38	X-Inactivation: Close Encounters of the X Kind. Current Biology, 2006, 16, R259-R261.	3.9	2
39	Paul S. Burgoyne (1946-2020). Development (Cambridge), 2020, 147, .	2.5	1
40	MALE MEIOTIC SEX CHROMOSOME INACTIVATION AND MEIOTIC SILENCING. , 2007, , 27-45.		1