Anton Wutz

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4491621/publications.pdf

Version: 2024-02-01

55 papers	5,452 citations	236925 25 h-index	197818 49 g-index
59 all docs	59 docs citations	59 times ranked	5810 citing authors

#	Article	IF	Citations
1	Haploid mouse germ cell precursors from embryonic stem cells reveal Xist activation from a single X chromosome. Stem Cell Reports, 2022, 17, 43-52.	4.8	2
2	TMED2 binding restricts SMO to the ER and Golgi compartments. PLoS Biology, 2022, 20, e3001596.	5.6	7
3	Dynamics of transcription-mediated conversion from euchromatin to facultative heterochromatin at the Xist promoter by Tsix. Cell Reports, 2021, 34, 108912.	6.4	9
4	Homologous recombination is reduced in female embryonic stem cells by two active X chromosomes. EMBO Reports, 2021, 22, e52190.	4.5	3
5	Genomic imprinting: An epigenetic regulatory system. PLoS Genetics, 2020, 16, e1008970.	3.5	11
6	Polyploidy of semi-cloned embryos generated from parthenogenetic haploid embryonic stem cells. PLoS ONE, 2020, 15, e0233072.	2.5	3
7	Inhibition of FGF and TGF-Î² Pathways in hESCs Identify STOX2 as a Novel SMAD2/4 Cofactor. Biology, 2020, 9, 470.	2.8	3
8	Cdk8 is required for establishment of H3K27me3 and gene repression by Xist and mouse development. Development (Cambridge), 2020, 147, .	2.5	19
9	The B-side of Xist. F1000Research, 2020, 9, 55.	1.6	18
10	Application of Mouse Parthenogenetic Haploid Embryonic Stem Cells as a Substitute of Sperm. Journal of Visualized Experiments, 2020, , .	0.3	0
11	Polyploidy of semi-cloned embryos generated from parthenogenetic haploid embryonic stem cells. , 2020, 15, e0233072.		0
12	Polyploidy of semi-cloned embryos generated from parthenogenetic haploid embryonic stem cells. , 2020, 15, e0233072.		0
13	Polyploidy of semi-cloned embryos generated from parthenogenetic haploid embryonic stem cells. , 2020, 15, e0233072.		0
14	Polyploidy of semi-cloned embryos generated from parthenogenetic haploid embryonic stem cells. , 2020, 15, e0233072.		0
15	Polyploidy of semi-cloned embryos generated from parthenogenetic haploid embryonic stem cells. , 2020, 15, e0233072.		0
16	Polyploidy of semi-cloned embryos generated from parthenogenetic haploid embryonic stem cells. , 2020, 15, e0233072.		0
17	Gaining Insights into the Function of Post-Translational Protein Modification Using Genome Engineering and Molecular Cell Biology. Journal of Molecular Biology, 2019, 431, 3920-3932.	4.2	3
18	From Mother or Father: Uniparental Embryos Uncover Parent-of-Origin Effects in Humans. Cell Stem Cell, 2019, 25, 587-589.	11.1	1

#	Article	IF	Citations
19	Introducing gene deletions by mouse zygote electroporation of Cas12a/Cpf1. Transgenic Research, 2019, 28, 525-535.	2.4	20
20	Structural basis of sterol recognition by human hedgehog receptor PTCH1. Science Advances, 2019, 5, eaaw6490.	10.3	57
21	Preparation and electroporation of Cas12a/Cpf1-guide RNA complexes for introducing large gene deletions in mouse embryonic stem cells. Methods in Enzymology, 2019, 616, 241-263.	1.0	16
22	Derivation of Haploid Neural Stem Cell Lines by Selection for aPax6-GFPReporter. Stem Cells and Development, 2018, 27, 479-487.	2.1	12
23	Screening for Factors Involved in X Chromosome Inactivation Using Haploid ESCs. Methods in Molecular Biology, 2018, 1861, 1-18.	0.9	2
24	HaSAPPy: A tool for candidate identification in pooled forward genetic screens of haploid mammalian cells. PLoS Computational Biology, 2018, 14, e1005950.	3.2	10
25	3D structures of individual mammalian genomes studied by single-cell Hi-C. Nature, 2017, 544, 59-64.	27.8	691
26	Insights into the Establishment of Chromatin States in Pluripotent Cells from Studies of X Inactivation. Journal of Molecular Biology, 2017, 429, 1521-1531.	4.2	6
27	Progress in understanding the molecular mechanism of Xist RNA function through genetics. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160368.	4.0	16
28	A fast and efficient size separation method for haploid embryonic stem cells. Biomicrofluidics, 2017, 11, 054117.	2.4	9
29	CRISPR/Cas9-mediated reporter knock-in in mouse haploid embryonic stem cells. Scientific Reports, 2015, 5, 10710.	3.3	28
30	Histone H3 Lysine 36 Trimethylation Is Established over the Xist Promoter by Antisense Tsix Transcription and Contributes to Repressing Xist Expression. Molecular and Cellular Biology, 2015, 35, 3909-3920.	2.3	27
31	Identification of Spen as a Crucial Factor for Xist Function through Forward Genetic Screening in Haploid Embryonic Stem Cells. Cell Reports, 2015, 12, 554-561.	6.4	213
32	Establishment and Use of Mouse Haploid ES Cells. Current Protocols in Mouse Biology, 2015, 5, 155-185.	1.2	15
33	Haploid Mouse Embryonic Stem Cells: Rapid Genetic Screening and Germline Transmission. Annual Review of Cell and Developmental Biology, 2014, 30, 705-722.	9.4	32
34	Jarid2 Is Implicated in the Initial Xist-Induced Targeting of PRC2 to the Inactive X Chromosome. Molecular Cell, 2014, 53, 301-316.	9.7	221
35	Noncoding roX RNA Remodeling Triggers Fly Dosage Compensation Complex Assembly. Molecular Cell, 2013, 51, 131-132.	9.7	8
36	Reactivation of the inactive X chromosome in development and reprogramming. Cellular and Molecular Life Sciences, 2013, 70, 2443-2461.	5.4	62

#	Article	IF	Citations
37	Germline potential of parthenogenetic haploid mouse embryonic stem cells. Development (Cambridge), 2012, 139, 3301-3305.	2.5	70
38	Establishment of epigenetic patterns in development. Chromosoma, 2012, 121, 251-262.	2.2	37
39	Derivation of haploid embryonic stem cells from mouse embryos. Nature, 2011, 479, 131-134.	27.8	221
40	Lineage-specific function of the noncoding Tsix RNA for Xist repression and Xi reactivation in mice. Genes and Development, 2011, 25, 1702-1715.	5.9	42
41	A system for imaging the regulatory noncoding Xist RNA in living mouse embryonic stem cells. Molecular Biology of the Cell, 2011, 22, 2634-2645.	2.1	45
42	Polycomb complexes act redundantly to repress genomic repeats and genes. Genes and Development, 2010, 24, 265-276.	5.9	298
43	The Trithorax group protein Ash2l and Saf-A are recruited to the inactive X chromosome at the onset of stable X inactivation. Development (Cambridge), 2010, 137, 935-943.	2.5	107
44	The A-repeat links ASF/SF2-dependent Xist RNA processing with random choice during X inactivation. Nature Structural and Molecular Biology, 2010, 17, 948-954.	8.2	84
45	SATB1 Defines the Developmental Context for Gene Silencing by Xist in Lymphoma and Embryonic Cells. Developmental Cell, 2009, 16, 507-516.	7.0	183
46	Synergy of Eed and Tsix in the repression of Xist gene and X-chromosome inactivation. EMBO Journal, 2008, 27, 1816-1826.	7.8	33
47	Ring1B is crucial for the regulation of developmental control genes and PRC1 proteins but not X inactivation in embryonic cells. Journal of Cell Biology, 2007, 178, 219-229.	5.2	169
48	RNA FISH on Cultured Cells in Interphase. Cold Spring Harbor Protocols, 2007, 2007, pdb.prot4763-pdb.prot4763.	0.3	3
49	Recruitment of PRC1 function at the initiation of X inactivation independent of PRC2 and silencing. EMBO Journal, 2006, 25, 3110-3122.	7.8	353
50	Hematopoietic Precursor Cells Transiently Reestablish Permissiveness for XInactivation. Molecular and Cellular Biology, 2006, 26, 7167-7177.	2.3	112
51	A novel role for Xist RNA in the formation of a repressive nuclear compartment into which genes are recruited when silenced. Genes and Development, 2006, 20, 2223-2237.	5.9	442
52	A Chromosomal Memory Triggered by Xist Regulates Histone Methylation in X Inactivation. PLoS Biology, 2004, 2, e171.	5.6	336
53	Chromosomal silencing and localization are mediated by different domains of Xist RNA. Nature Genetics, 2002, 30, 167-174.	21.4	682
54	Antisense Transcription through the Xist Locus Mediates Tsix Function in Embryonic Stem Cells. Molecular and Cellular Biology, 2001, 21, 8512-8520.	2.3	185

#	Article	IF	Citations
55	A Shift from Reversible to Irreversible X Inactivation Is Triggered during ES Cell Differentiation. Molecular Cell, 2000, 5, 695-705.	9.7	521