Anton Wutz

List of Publications by Year
in descending order

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	3D structures of individual mammalian genomes studied by single-cell Hi-C. Nature, 2017, 544, 59-64.	27.8	691
2	Chromosomal silencing and localization are mediated by different domains of Xist RNA. Nature Genetics, 2002, 30, 167-174.	21.4	682
3	A Shift from Reversible to Irreversible X Inactivation Is Triggered during ES Cell Differentiation. Molecular Cell, 2000, 5, 695-705.	9.7	521
4	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
5	Recruitment of PRC1 function at the initiation of X inactivation independent of PRC2 and silencing. EMBO Journal, 2006, 25, 3110-3122.	7.8	353
6	A Chromosomal Memory Triggered by Xist Regulates Histone Methylation in X Inactivation. PLoS Biology, 2004, 2, e171.	5.6	336
7	Polycomb complexes act redundantly to repress genomic repeats and genes. Genes and Development, 2010, 24, 265-276.	5.9	298
8	Derivation of haploid embryonic stem cells from mouse embryos. Nature, 2011, 479, 131-134.	27.8	221
9	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
10	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
11	Antisense Transcription through the Xist Locus Mediates Tsix Function in Embryonic Stem Cells. Molecular and Cellular Biology, 2001, 21, 8512-8520.	2.3	185
12	SATB1 Defines the Developmental Context for Gene Silencing by Xist in Lymphoma and Embryonic Cells. Developmental Cell, 2009, 16, 507-516.	7.0	183
13	<i>Ring1B</i> 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
14	Hematopoietic Precursor Cells Transiently Reestablish Permissiveness for XInactivation. Molecular and Cellular Biology, 2006, 26, 7167-7177.	2.3	112
15	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
16	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
17	Germline potential of parthenogenetic haploid mouse embryonic stem cells. Development (Cambridge), 2012, 139, 3301-3305.	2.5	70
18	Reactivation of the inactive X chromosome in development and reprogramming. Cellular and Molecular Life Sciences, 2013, 70, 2443-2461.	5.4	62

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19	Structural basis of sterol recognition by human hedgehog receptor PTCH1. Science Advances, 2019, 5, eaaw6490.	10.3	57
20	A system for imaging the regulatory noncoding <i>Xist</i> RNA in living mouse embryonic stem cells. Molecular Biology of the Cell, 2011, 22, 2634-2645.	2.1	45
21	Lineage-specific function of the noncoding <i>Tsix</i> RNA for <i>Xist</i> repression and Xi reactivation in mice. Genes and Development, 2011, 25, 1702-1715.	5.9	42
22	Establishment of epigenetic patterns in development. Chromosoma, 2012, 121, 251-262.	2.2	37
23	Synergy of Eed and Tsix in the repression of Xist gene and X-chromosome inactivation. EMBO Journal, 2008, 27, 1816-1826.	7.8	33
24	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
25	CRISPR/Cas9-mediated reporter knock-in in mouse haploid embryonic stem cells. Scientific Reports, 2015, 5, 10710.	3.3	28
26	Histone H3 Lysine 36 Trimethylation Is Established over the <i>Xist</i> Promoter by Antisense <i>Tsix</i> Transcription and Contributes to Repressing <i>Xist</i> Expression. Molecular and Cellular Biology, 2015, 35, 3909-3920.	2.3	27
27	Introducing gene deletions by mouse zygote electroporation of Cas12a/Cpf1. Transgenic Research, 2019, 28, 525-535.	2.4	20
28	<i>Cdk8</i> is required for establishment of H3K27me3 and gene repression by <i>Xist</i> and mouse development. Development (Cambridge), 2020, 147, .	2.5	19
29	The B-side of Xist. F1000Research, 2020, 9, 55.	1.6	18
30	Progress in understanding the molecular mechanism of <i>Xist</i> RNA function through genetics. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160368.	4.0	16
31	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
32	Establishment and Use of Mouse Haploid ES Cells. Current Protocols in Mouse Biology, 2015, 5, 155-185.	1.2	15
33	Derivation of Haploid Neural Stem Cell Lines by Selection for a<i>Pax6-GFP</i>Reporter. Stem Cells and Development, 2018, 27, 479-487.	2.1	12
34	Genomic imprinting: An epigenetic regulatory system. PLoS Genetics, 2020, 16, e1008970.	3.5	11
35	HaSAPPy: A tool for candidate identification in pooled forward genetic screens of haploid mammalian cells. PLoS Computational Biology, 2018, 14, e1005950.	3.2	10
36	A fast and efficient size separation method for haploid embryonic stem cells. Biomicrofluidics, 2017, 11, 054117.	2.4	9

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37	Dynamics of transcription-mediated conversion from euchromatin to facultative heterochromatin at the Xist promoter by Tsix. Cell Reports, 2021, 34, 108912.	6.4	9
38	Noncoding roX RNA Remodeling Triggers Fly Dosage Compensation Complex Assembly. Molecular Cell, 2013, 51, 131-132.	9.7	8
39	TMED2 binding restricts SMO to the ER and Golgi compartments. PLoS Biology, 2022, 20, e3001596.	5.6	7
40	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
41	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
42	Polyploidy of semi-cloned embryos generated from parthenogenetic haploid embryonic stem cells. PLoS ONE, 2020, 15, e0233072.	2.5	3
43	Inhibition of FGF and TGF-Î² Pathways in hESCs Identify STOX2 as a Novel SMAD2/4 Cofactor. Biology, 2020, 9, 470.	2.8	3
44	Homologous recombination is reduced in female embryonic stem cells by two active X chromosomes. EMBO Reports, 2021, 22, e52190.	4.5	3
45	RNA FISH on Cultured Cells in Interphase. Cold Spring Harbor Protocols, 2007, 2007, pdb.prot4763-pdb.prot4763.	0.3	3
46	Screening for Factors Involved in X Chromosome Inactivation Using Haploid ESCs. Methods in Molecular Biology, 2018, 1861, 1-18.	0.9	2
47	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
48	From Mother or Father: Uniparental Embryos Uncover Parent-of-Origin Effects in Humans. Cell Stem Cell, 2019, 25, 587-589.	11.1	1
49	Application of Mouse Parthenogenetic Haploid Embryonic Stem Cells as a Substitute of Sperm. Journal of Visualized Experiments, 2020, , .	0.3	0
50	Polyploidy of semi-cloned embryos generated from parthenogenetic haploid embryonic stem cells. , 2020, 15, e0233072.		0
51	Polyploidy of semi-cloned embryos generated from parthenogenetic haploid embryonic stem cells. , 2020, 15, e0233072.		0
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