

Jeannie T Lee

List of Publications by Citations

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101
papers

13,679
citations

47
h-index

111
g-index

111
ext. papers

15,809
ext. citations

19.6
avg, IF

7.1
L-index

#	Paper	IF	Citations
101	Polycomb proteins targeted by a short repeat RNA to the mouse X chromosome. <i>Science</i> , 2008 , 322, 750-6	33.3	1288
100	Long noncoding RNAs: past, present, and future. <i>Genetics</i> , 2013 , 193, 651-69	4	1251
99	Epigenetic regulation by long noncoding RNAs. <i>Science</i> , 2012 , 338, 1435-9	33.3	965
98	Genome-wide identification of polycomb-associated RNAs by RIP-seq. <i>Molecular Cell</i> , 2010 , 40, 939-53	17.6	798
97	Tsix, a gene antisense to Xist at the X-inactivation centre. <i>Nature Genetics</i> , 1999 , 21, 400-4	36.3	665
96	X-inactivation, imprinting, and long noncoding RNAs in health and disease. <i>Cell</i> , 2013 , 152, 1308-23	56.2	524
95	Targeted mutagenesis of Tsix leads to nonrandom X inactivation. <i>Cell</i> , 1999 , 99, 47-57	56.2	422
94	The long noncoding RNA, Jpx, is a molecular switch for X chromosome inactivation. <i>Cell</i> , 2010 , 143, 390-403	56.2	387
93	YY1 tethers Xist RNA to the inactive X nucleation center. <i>Cell</i> , 2011 , 146, 119-33	56.2	385
92	Transient homologous chromosome pairing marks the onset of X inactivation. <i>Science</i> , 2006 , 311, 1149-52	33.3	333
91	LincRNA-p21 activates p21 in cis to promote Polycomb target gene expression and to enforce the G1/S checkpoint. <i>Molecular Cell</i> , 2014 , 54, 777-90	17.6	319
90	Chromosomes. A comprehensive Xist interactome reveals cohesin repulsion and an RNA-directed chromosome conformation. <i>Science</i> , 2015 , 349,	33.3	316
89	High-resolution Xist binding maps reveal two-step spreading during X-chromosome inactivation. <i>Nature</i> , 2013 , 504, 465-469	50.4	289
88	Lessons from X-chromosome inactivation: long ncRNA as guides and tethers to the epigenome. <i>Genes and Development</i> , 2009 , 23, 1831-42	12.6	279
87	Long noncoding RNAs: fresh perspectives into the RNA world. <i>Trends in Biochemical Sciences</i> , 2014 , 39, 35-43	10.3	271
86	A transient heterochromatic state in Xist preempts X inactivation choice without RNA stabilization. <i>Molecular Cell</i> , 2006 , 21, 617-28	17.6	265
85	Perinucleolar targeting of the inactive X during S phase: evidence for a role in the maintenance of silencing. <i>Cell</i> , 2007 , 129, 693-706	56.2	264

84	Intersection of the RNA interference and X-inactivation pathways. <i>Science</i> , 2008 , 320, 1336-41	33.3	239
83	CTCF, a candidate trans-acting factor for X-inactivation choice. <i>Science</i> , 2002 , 295, 345-7	33.3	236
82	Single-molecule super-resolution imaging of chromosomes and in situ haplotype visualization using Oligopaint FISH probes. <i>Nature Communications</i> , 2015 , 6, 7147	17.4	230
81	The pluripotency factor Oct4 interacts with Ctfc and also controls X-chromosome pairing and counting. <i>Nature</i> , 2009 , 460, 128-32	50.4	230
80	Jpx RNA activates Xist by evicting CTCF. <i>Cell</i> , 2013 , 153, 1537-51	56.2	226
79	Regulatory interactions between RNA and polycomb repressive complex 2. <i>Molecular Cell</i> , 2014 , 55, 171-856	17.6	201
78	Polycomb Repressive Complex 1 Generates Discrete Compacted Domains that Change during Differentiation. <i>Molecular Cell</i> , 2017 , 65, 432-446.e5	17.6	180
77	Evidence that homologous X-chromosome pairing requires transcription and Ctfc protein. <i>Nature Genetics</i> , 2007 , 39, 1390-6	36.3	169
76	Gracefully ageing at 50, X-chromosome inactivation becomes a paradigm for RNA and chromatin control. <i>Nature Reviews Molecular Cell Biology</i> , 2011 , 12, 815-26	48.7	158
75	Toward a consensus on the binding specificity and promiscuity of PRC2 for RNA. <i>Molecular Cell</i> , 2015 , 57, 552-8	17.6	156
74	ATRX directs binding of PRC2 to Xist RNA and Polycomb targets. <i>Cell</i> , 2014 , 159, 869-83	56.2	152
73	TERRA RNA Antagonizes ATRX and Protects Telomeres. <i>Cell</i> , 2017 , 170, 86-101.e16	56.2	131
72	Spreading of X chromosome inactivation via a hierarchy of defined Polycomb stations. <i>Genome Research</i> , 2012 , 22, 1864-76	9.7	127
71	Regulation of X-chromosome counting by Tsix and Xite sequences. <i>Science</i> , 2005 , 309, 768-71	33.3	124
70	Locus-specific targeting to the X chromosome revealed by the RNA interactome of CTCF. <i>Molecular Cell</i> , 2015 , 57, 361-75	17.6	116
69	Molecular links between X-inactivation and autosomal imprinting: X-inactivation as a driving force for the evolution of imprinting?. <i>Current Biology</i> , 2003 , 13, R242-54	6.3	91
68	Practical murine hematopathology: a comparative review and implications for research. <i>Comparative Medicine</i> , 2015 , 65, 96-113	1.6	90
67	Xist Deletional Analysis Reveals an Interdependency between Xist RNA and Polycomb Complexes for Spreading along the Inactive X. <i>Molecular Cell</i> , 2019 , 74, 101-117.e10	17.6	82

66	The X chromosome in space. <i>Nature Reviews Genetics</i> , 2017 , 18, 377-389	30.1	81
65	SMCHD1 Merges Chromosome Compartments and Assists Formation of Super-Structures on the Inactive X. <i>Cell</i> , 2018 , 174, 406-421.e25	56.2	80
64	Tsix RNA and the germline factor, PRDM14, link X reactivation and stem cell reprogramming. <i>Molecular Cell</i> , 2013 , 52, 805-18	17.6	79
63	The DXPas34 repeat regulates random and imprinted X inactivation. <i>Developmental Cell</i> , 2007 , 12, 57-71	10.2	75
62	Tsix transcription- versus RNA-based mechanisms in Xist repression and epigenetic choice. <i>Current Biology</i> , 2004 , 14, 1747-54	6.3	73
61	Homozygous Tsix mutant mice reveal a sex-ratio distortion and revert to random X-inactivation. <i>Nature Genetics</i> , 2002 , 32, 195-200	36.3	72
60	The Xist RNA-PRC2 complex at 20-nm resolution reveals a low Xist stoichiometry and suggests a hit-and-run mechanism in mouse cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E4216-25	11.5	68
59	The X as model for RNA ³ niche in epigenomic regulation. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010 , 2, a003749	10.2	68
58	X-chromosome hyperactivation in mammals via nonlinear relationships between chromatin states and transcription. <i>Nature Structural and Molecular Biology</i> , 2011 , 19, 56-61	17.6	67
57	Loss of H3K27me3 Imprinting in Somatic Cell Nuclear Transfer Embryos Disrupts Post-Implantation Development. <i>Cell Stem Cell</i> , 2018 , 23, 343-354.e5	18	65
56	Repeat E anchors Xist RNA to the inactive X chromosomal compartment through CDKN1A-interacting protein (CIZ1). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 10654-10659	11.5	63
55	Characterization and quantitation of differential Tsix transcripts: implications for Tsix function. <i>Human Molecular Genetics</i> , 2003 , 12, 125-36	5.6	59
54	Destabilization of B2 RNA by EZH2 Activates the Stress Response. <i>Cell</i> , 2016 , 167, 1788-1802.e13	56.2	46
53	BRCA1 establishes DNA damage signaling and pericentric heterochromatin of the X chromosome in male meiosis. <i>Journal of Cell Biology</i> , 2014 , 205, 663-75	7.3	44
52	Female mice lacking Xist RNA show partial dosage compensation and survive to term. <i>Genes and Development</i> , 2016 , 30, 1747-60	12.6	42
51	A mixed modality approach towards Xi reactivation for Rett syndrome and other X-linked disorders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E668-E675	11.5	41
50	Building the Connectivity Map of epigenetics: chromatin profiling by quantitative targeted mass spectrometry. <i>Methods</i> , 2015 , 72, 57-64	4.6	40
49	Screen for reactivation of MeCP2 on the inactive X chromosome identifies the BMP/TGF- β superfamily as a regulator of XIST expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 1619-1624	11.5	38

48	A boundary element between Tsix and Xist binds the chromatin insulator Ctfc and contributes to initiation of X-chromosome inactivation. <i>Genetics</i> , 2011 , 189, 441-54	4	38
47	Telomeric RNAs mark sex chromosomes in stem cells. <i>Genetics</i> , 2009 , 182, 685-98	4	38
46	Xist RNA antagonizes the SWI/SNF chromatin remodeler BRG1 on the inactive X chromosome. <i>Nature Structural and Molecular Biology</i> , 2019 , 26, 96-109	17.6	33
45	Megadomains and superloops form dynamically but are dispensable for X-chromosome inactivation and gene escape. <i>Nature Communications</i> , 2018 , 9, 5004	17.4	32
44	PAR-TERRA directs homologous sex chromosome pairing. <i>Nature Structural and Molecular Biology</i> , 2017 , 24, 620-631	17.6	30
43	The Firre locus produces a trans-acting RNA molecule that functions in hematopoiesis. <i>Nature Communications</i> , 2019 , 10, 5137	17.4	28
42	Allelic Imbalance Is a Prevalent and Tissue-Specific Feature of the Mouse Transcriptome. <i>Genetics</i> , 2015 , 200, 537-49	4	27
41	Functional Proteomic Analysis of Repressive Histone Methyltransferase Complexes Reveals ZNF518B as a G9A Regulator. <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 1435-46	7.6	27
40	PRC1 collaborates with SMCHD1 to fold the X-chromosome and spread Xist RNA between chromosome compartments. <i>Nature Communications</i> , 2019 , 10, 2950	17.4	26
39	Targeting RNA with Small Molecules: Identification of Selective, RNA-Binding Small Molecules Occupying Drug-Like Chemical Space. <i>SLAS Discovery</i> , 2020 , 25, 384-396	3.4	26
38	Coupling of X-chromosome reactivation with the pluripotent stem cell state. <i>RNA Biology</i> , 2014 , 11, 798-807	4.87	21
37	Sex chromosome inactivation: the importance of pairing. <i>Current Biology</i> , 2005 , 15, R249-52	6.3	19
36	Denaturing CLIP, dCLIP, Pipeline Identifies Discrete RNA Footprints on Chromatin-Associated Proteins and Reveals that CBX7 Targets 3RUTRs to Regulate mRNA Expression. <i>Cell Systems</i> , 2017 , 5, 368-385.e15	10.6	18
35	Xist imprinting is promoted by the hemizygous (unpaired) state in the male germ line. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 14415-22	11.5	18
34	A high-throughput small molecule screen identifies synergism between DNA methylation and Aurora kinase pathways for X reactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 14366-14371	11.5	17
33	Tsix-Mecp2 female mouse model for Rett syndrome reveals that low-level MECP2 expression extends life and improves neuromotor function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8185-8190	11.5	17
32	B2 and ALU retrotransposons are self-cleaving ribozymes whose activity is enhanced by EZH2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 415-425	11.5	17
31	Xist Repeats A and B Account for Two Distinct Phases of X Inactivation Establishment. <i>Developmental Cell</i> , 2020 , 54, 21-32.e5	10.2	16

30	En bloc and segmental deletions of human XIST reveal X chromosome inactivation-involving RNA elements. <i>Nucleic Acids Research</i> , 2019 , 47, 3875-3887	20.1	15
29	Nucleoporin 153 links nuclear pore complex to chromatin architecture by mediating CTCF and cohesin binding. <i>Nature Communications</i> , 2020 , 11, 2606	17.4	12
28	Widespread organ tolerance to Xist loss and X reactivation except under chronic stress in the gut. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4262-4272	11.5	12
27	Decapping enzyme 1A breaks X-chromosome symmetry by controlling Tsix elongation and RNA turnover. <i>Nature Cell Biology</i> , 2020 , 22, 1116-1129	23.4	12
26	Aberrant mitochondrial function in patient-derived neural cells from CDKL5 deficiency disorder and Rett syndrome. <i>Human Molecular Genetics</i> , 2019 , 28, 3625-3636	5.6	11
25	Reply to "Is Tsix repression of Xist specific to mouse?". <i>Nature Genetics</i> , 2003 , 33, 337-338	36.3	11
24	Exploration of CTCF post-translation modifications uncovers Serine-224 phosphorylation by PLK1 at pericentric regions during the G2/M transition. <i>ELife</i> , 2019 , 8,	8.9	10
23	Genetic Intersection of Tsix and Hedgehog Signaling during the Initiation of X-Chromosome Inactivation. <i>Developmental Cell</i> , 2017 , 43, 359-371.e6	10.2	9
22	Balancing cohesin eviction and retention prevents aberrant chromosomal interactions, Polycomb-mediated repression, and X-inactivation. <i>Molecular Cell</i> , 2021 , 81, 1970-1987.e9	17.6	7
21	Multiple Histone Methyl-Lysine Readers Ensure Robust Development and Germline Immortality in. <i>Genetics</i> , 2018 , 210, 907-923	4	7
20	Functional intergenic transcription: a case study of the X-inactivation centre. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2003 , 358, 1417-23; discussion 1423	5.8	6
19	Motif-driven interactions between RNA and PRC2 are rheostats that regulate transcription elongation. <i>Nature Structural and Molecular Biology</i> , 2021 , 28, 103-117	17.6	6
18	Comment on "Xist recruits the X chromosome to the nuclear lamina to enable chromosome-wide silencing". <i>Science</i> , 2017 , 356,	33.3	5
17	Is X-chromosome inactivation a homology effect?. <i>Advances in Genetics</i> , 2002 , 46, 25-48	3.3	5
16	Jpx RNA regulates CTCF anchor site selection and formation of chromosome loops. <i>Cell</i> , 2021 , 184, 6157-6173.e24	6.173	24
15	Genome-wide identification of autosomal genes with allelic imbalance of chromatin state. <i>PLoS ONE</i> , 2017 , 12, e0182568	3.7	4
14	iDRiP for the systematic discovery of proteins bound directly to noncoding RNA. <i>Nature Protocols</i> , 2021 , 16, 3672-3694	18.8	4
13	The combined action of CTCF and its testis-specific paralog BORIS is essential for spermatogenesis. <i>Nature Communications</i> , 2021 , 12, 3846	17.4	4

12	Revisiting the consequences of deleting the X inactivation center. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
11	Role of the Chromosome Architectural Factor SMCHD1 in X-Chromosome Inactivation, Gene Regulation, and Disease in Humans. <i>Genetics</i> , 2019 , 213, 685-703	4	2
10	Two- and three-color STORM analysis reveals higher-order assembly of leukotriene synthetic complexes on the nuclear envelope of murine neutrophils. <i>Journal of Biological Chemistry</i> , 2020 , 295, 5761-5770	5.4	2
9	Four-dimensional chromosome reconstruction elucidates the spatiotemporal reorganization of the mammalian X chromosome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
8	Long Noncoding RNA Functionality Beyond Sequence: The Jpx Model: Commentary on "Functional Conservation of lncRNA JPX Despite Sequence and Structural Divergence" by Karner et al. (2019). <i>Journal of Molecular Biology</i> , 2020 , 432, 301-304	6.5	2
7	Xist Repeat A contributes to early recruitment of Polycomb complexes during X-chromosome inactivation. <i>Developmental Cell</i> , 2021 , 56, 1236-1237	10.2	1
6	A disproportionate impact of G9a methyltransferase deficiency on the X chromosome. <i>Genes and Development</i> , 2021 , 35, 1035-1054	12.6	1
5	Revealing RCOR2 as a regulatory component of nuclear speckles. <i>Epigenetics and Chromatin</i> , 2021 , 14, 51	5.8	0
4	Denaturing cross-linking immunoprecipitation to identify footprints for RNA-binding proteins. <i>STAR Protocols</i> , 2021 , 2, 100819	1.4	0
3	Unveiling RCOR1 as a rheostat at transcriptionally permissive chromatin.. <i>Nature Communications</i> , 2022 , 13, 1550	17.4	0
2	X-chromosome inactivation: Sex, heterochromatin, pairing, and noncoding RNA. <i>FASEB Journal</i> , 2008 , 22, 396.2	0.9	
1	ATRX Promotes Binding of PRC2 to Xist RNA and Polycomb Targets. <i>FASEB Journal</i> , 2015 , 29, 361.3	0.9	