Jeanne Bentley Lawrence

List of Publications by Year
in descending order

96 papers	11,834 citations	47006 47 h-index	39675 94 g-index
102 all docs	102 docs citations	102 times ranked	12033 citing authors

#	Article	IF	Citations
1	An Architectural Role for a Nuclear Noncoding RNA: NEAT1 RNA Is Essential for the Structure of Paraspeckles. Molecular Cell, 2009, 33, 717-726.	9.7	1,224
2	The human XIST gene: Analysis of a 17 kb inactive X-specific RNA that contains conserved repeats and is highly localized within the nucleus. Cell, 1992, 71, 527-542.	28.9	1,211
3	A Long Noncoding RNA Mediates Both Activation and Repression of Immune Response Genes. Science, 2013, 341, 789-792.	12.6	925
4	A screen for nuclear transcripts identifies two linked noncoding RNAs associated with SC35 splicing domains. BMC Genomics, 2007, 8, 39.	2.8	836
5	Molecular cloning, chromosomal mapping, and expression of the cDNA for p107, a retinoblastoma gene product-related protein. Cell, 1991, 66, 1155-1164.	28.9	478
6	Highly localized tracks of specific transcripts within interphase nuclei visualized by in situ hybridization. Cell, 1989, 57, 493-502.	28.9	452
7	Homologous ribosomal protein genes on the human X and Y chromosomes: Escape from X inactivation and possible implications for turner syndrome. Cell, 1990, 63, 1205-1218.	28.9	414
8	Quantitative analysis ofin situhybridization methods for the detection of actin gene expression. Nucleic Acids Research, 1985, 13, 1777-1799.	14.5	393
9	Localization of the human Î±-globin structural gene to chromosome 16 in somatic cell hybrids by molecular hybridization assay. Cell, 1977, 12, 205-218.	28.9	288
10	Translating dosage compensation to trisomy 21. Nature, 2013, 500, 296-300.	27.8	282
11	The three-dimensional folding of the Î±-globin gene domain reveals formation of chromatin globules. Nature Structural and Molecular Biology, 2011, 18, 107-114.	8.2	274
12	Higher-order unfolding of satellite heterochromatin is a consistent and early event in cell senescence. Journal of Cell Biology, 2013, 203, 929-942.	5.2	215
13	Molecular anatomy of a speckle. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2006, 288A, 664-675.	2.0	197
14	The X chromosome is organized into a gene-rich outer rim and an internal core containing silenced nongenic sequences. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7688-7693.	7.1	192
15	Clustering of multiple specific genes and gene-rich R-bands around SC-35 domains. Journal of Cell Biology, 2003, 162, 981-990.	5.2	186
16	Processing of Endogenous Pre-mRNAs in Association with SC-35 Domains Is Gene Specific. Journal of Cell Biology, 1999, 144, 617-629.	5.2	171
17	Stable C0T-1 Repeat RNA Is Abundant and Is Associated with Euchromatic Interphase Chromosomes. Cell, 2014, 156, 907-919.	28.9	167
18	Loss of miRNA biogenesis induces p19Arf-p53 signaling and senescence in primary cells. Journal of Cell Biology, 2008, 181, 1055-1063.	5.2	163

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19	Maternal Rnf12/RLIM is required for imprinted X-chromosome inactivation in mice. Nature, 2010, 467, 977-981.	27.8	159
20	Tracking Col1a1 RNA in Osteogenesis Imperfecta. Journal of Cell Biology, 2000, 150, 417-432.	5.2	142
21	An ectopic human XIST gene can induce chromosome inactivation in postdifferentiation human HT-1080 cells. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8677-8682.	7.1	129
22	X-Inactivation Status Varies in Human Embryonic Stem Cell Lines. Stem Cells, 2005, 23, 1468-1478.	3.2	122
23	Chapter 3 Fluorescent Detection of Nuclear RNA and DNA: Implications for Genome Organization. Methods in Cell Biology, 1991, 35, 73-99.	1.1	115
24	The disappearing Barr body in breast and ovarian cancers. Nature Reviews Cancer, 2007, 7, 628-633.	28.4	112
25	Xâ€inactivation reveals epigenetic anomalies in most hESC but identifies sublines that initiate as expected. Journal of Cellular Physiology, 2008, 216, 445-452.	4.1	110
26	U2 and U1 snRNA gene loci associate with coiled bodies. Journal of Cellular Biochemistry, 1995, 59, 473-485.	2.6	100
27	Chromosomal Assignment of Human Nuclear Envelope Protein Genes LMNA, LMNB1, and LBR by Fluorescencein SituHybridization. Genomics, 1996, 32, 474-478.	2.9	96
28	Stabilization and Localization of Xist RNA are Controlled by Separate Mechanisms and are Not Sufficient for X Inactivation. Journal of Cell Biology, 1998, 142, 13-23.	5.2	94
29	Heterochromatin instability in cancer: From the Barr body to satellites and the nuclear periphery. Seminars in Cancer Biology, 2013, 23, 99-108.	9.6	94
30	The 4q subtelomere harboring the FSHD locus is specifically anchored with peripheral heterochromatin unlike most human telomeres. Journal of Cell Biology, 2004, 167, 269-279.	5.2	87
31	Repositioning of Muscle-specific Genes Relative to the Periphery of SC-35 Domains during Skeletal Myogenesis. Molecular Biology of the Cell, 2004, 15, 197-206.	2.1	81
32	Demethylated HSATII DNA and HSATII RNA Foci Sequester PRC1 and MeCP2 into Cancer-Specific Nuclear Bodies. Cell Reports, 2017, 18, 2943-2956.	6.4	76
33	Genomic Analysis of a New Mammalian Distal-less Gene: Dlx7. Genomics, 1996, 38, 314-324.	2.9	74
34	Replication-dependent Histone Gene Expression Is Related to Cajal Body (CB) Association but Does Not Require Sustained CB Contact. Molecular Biology of the Cell, 2001, 12, 565-576.	2.1	74
35	Inducible XIST-dependent X-chromosome inactivation in human somatic cells is reversible. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10104-10109.	7.1	73
36	Changing nuclear landscape and unique PML structures during early epigenetic transitions of human embryonic stem cells. Journal of Cellular Biochemistry, 2009, 107, 609-621.	2.6	64

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37	Nuclear RNA tracks: structural basis for transcription and splicing?. Trends in Cell Biology, 1993, 3, 346-353.	7.9	63
38	Nascent RNA scaffolds contribute to chromosome territory architecture and counter chromatin compaction. Molecular Cell, 2021, 81, 3509-3525.e5.	9.7	63
39	Ubiquitinated proteins including uH2A on the human and mouse inactive X chromosome: enrichment in gene rich bands. Chromosoma, 2004, 113, 324-335.	2.2	61
40	Defining early steps in mRNA transport: mutant mRNA in myotonic dystrophy type I is blocked at entry into SC-35 domains. Journal of Cell Biology, 2007, 178, 951-964.	5.2	60
41	BRCA1 does not paint the inactive X to localize XIST RNA but may contribute to broad changes in cancer that impact XIST and Xi heterochromatin. Journal of Cellular Biochemistry, 2007, 100, 835-850.	2.6	59
42	Interactions of U2 Gene Loci and Their Nuclear Transcripts with Cajal (Coiled) Bodies: Evidence for PreU2 within Cajal Bodies. Molecular Biology of the Cell, 2000, 11, 2987-2998.	2.1	57
43	Evidence that all SC-35 domains contain mRNAs and that transcripts can be structurally constrained within these domains. Journal of Structural Biology, 2002, 140, 131-139.	2.8	57
44	RLIM is dispensable for X-chromosome inactivation in the mouse embryonic epiblast. Nature, 2014, 511, 86-89.	27.8	56
45	Localizing DNA and RNA within nuclei and chromosomes by fluorescence in situ hybridization. Genetic Analysis, Techniques and Applications, 1991, 8, 41-58.	1.5	53
46	Unbalanced X;autosome translocations provide evidence for sequence specificity in the association of XIST RNA with chromatin. Human Molecular Genetics, 2002, 11, 3157-3165.	2.9	51
47	Temporal resolution and sequential expression of muscle-specific genes revealed by in situ hybridization. Developmental Biology, 1989, 133, 235-246.	2.0	50
48	Archvillin, a muscle-specific isoform of supervillin, is an early expressed component of the costameric membrane skeleton. Journal of Cell Science, 2003, 116, 2261-2275.	2.0	50
49	Characterization of expression at the human XIST locus in somatic, embryonal carcinoma, and transgenic cell lines. Genomics, 2003, 82, 309-322.	2.9	48
50	BRCA1 foci in normal S-phase nuclei are linked to interphase centromeres and replication of pericentric heterochromatin. Journal of Cell Biology, 2006, 175, 693-701.	5.2	48
51	Cloning, Characterization, and Chromosomal Localization of Human Supervillin (SVIL). Genomics, 1998, 52, 342-351.	2.9	47
52	AURKB-mediated effects on chromatin regulate binding versus release of XIST RNA to the inactive chromosome. Journal of Cell Biology, 2009, 186, 491-507.	5.2	47
53	Regulation of X-linked gene expression during early mouse development by Rlim. ELife, 2016, 5, .	6.0	46
54	Distribution of myosin heavy chain mRNA in embryonic muscle tissue visualized by ultrastructural in situ hybridization. Developmental Biology, 1991, 143, 58-67.	2.0	45

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55	Word frequency analysis reveals enrichment of dinucleotide repeats on the human X chromosome and [GATA]n in the X escape region. Genome Research, 2006, 16, 477-484.	5.5	41
56	Silencing Trisomy 21 with XIST in Neural Stem Cells Promotes Neuronal Differentiation. Developmental Cell, 2020, 52, 294-308.e3.	7.0	41
57	SAF-A Requirement in Anchoring XIST RNA to Chromatin Varies in Transformed and Primary Cells. Developmental Cell, 2016, 39, 9-10.	7.0	39
58	XISTRNA: a window into the broader role of RNA in nuclear chromosome architecture. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160360.	4.0	39
59	Nuclear hubs built on RNAs and clustered organization of the genome. Current Opinion in Cell Biology, 2020, 64, 67-76.	5.4	39
60	Seeking Common Ground in Nuclear Complexity. Journal of Cell Biology, 2000, 150, F1-F4.	5.2	38
61	Trisomy silencing by XIST normalizes Down syndrome cell pathogenesis demonstrated for hematopoietic defects in vitro. Nature Communications, 2018, 9, 5180.	12.8	38
62	A simple, rapid technique for precise mapping of multiple sequences in two colors using a single optical filter set. Genetic Analysis, Techniques and Applications, 1991, 8, 75-76.	1.5	37
63	Multifunctional compartments in the nucleus: Insights from DNA and RNA localization. Journal of Cellular Biochemistry, 1996, 62, 181-190.	2.6	37
64	Extending the capabilities of interphase chromatin mapping. Nature Genetics, 1992, 2, 171-172.	21.4	36
65	Human type II collagen gene (COL2A1) assigned to chromosome 12q13.1-q13.2 byin situ hybridization with biotinylated DNA probe. Japanese Journal of Human Genetics, 1989, 34, 307-311.	0.8	34
66	Opportunities, barriers, and recommendations in Down syndrome research. Translational Science of Rare Diseases, 2021, 5, 99-129.	1.5	33
67	Aberrant Silencing of Cancer-Related Genes by CpG Hypermethylation Occurs Independently of Their Spatial Organization in the Nucleus. Cancer Research, 2010, 70, 8015-8024.	0.9	32
68	Spatial re-organization of myogenic regulatory sequences temporally controls gene expression. Nucleic Acids Research, 2015, 43, 2008-2021.	14.5	31
69	The cell biology of a novel chromosomal RNA: chromosome painting by XIST/Xist RNA initiates a remodeling cascade. Seminars in Cell and Developmental Biology, 2003, 14, 369-378.	5.0	30
70	Paternal RLIM/Rnf12 Is a Survival Factor for Milk-Producing Alveolar Cells. Cell, 2012, 149, 630-641.	28.9	30
71	RNA as a fundamental component of interphase chromosomes: could repeats prove key?. Current Opinion in Genetics and Development, 2016, 37, 137-147.	3.3	30
72	DNA and RNA within the nucleus: How much sequence-specific spatial organization?. Journal of Cellular Biochemistry, 1991, 47, 124-129.	2.6	29

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73	The WFDC1 gene encoding ps20 localizes to 16q24, a region of LOH in multiple cancers. Mammalian Genome, 2000, 11, 767-773.	2.2	29
74	A Multifaceted FISH Approach to Study Endogenous RNAs and DNAs in Native Nuclear and Cell Structures. Current Protocols in Human Genetics, 2013, 76, Unit 4.15.	3.5	28
75	Unfolding the story of chromatin organization in senescent cells. Nucleus, 2015, 6, 254-260.	2.2	28
76	Extinction of muscle-specific properties in somatic cell heterokaryons. Developmental Biology, 1984, 101, 463-476.	2.0	25
77	c-Myc localization within the nucleus: Evidence for association with the PML nuclear body. Journal of Cellular Biochemistry, 2004, 93, 1282-1296.	2.6	25
78	Gene associations: true romance or chance meeting in a nuclear neighborhood?. Journal of Cell Biology, 2008, 182, 1035-1038.	5.2	24
79	Cytogenetic and fluorescence in situ hybridization studies on sporadic and hereditary tumors associated with von Hippel-Lindau syndrome (VHL). Cancer Genetics and Cytogenetics, 1994, 77, 1-13.	1.0	22
80	Structure and partial genomic sequence of the human E2F1 gene. Gene, 1996, 173, 163-169.	2.2	22
81	Rlim -Dependent and -Independent Pathways for X Chromosome Inactivation in Female ESCs. Cell Reports, 2017, 21, 3691-3699.	6.4	20
82	Multifunctional compartments in the nucleus: insights from DNA and RNA localization. Journal of Cellular Biochemistry, 1996, 62, 181-90.	2.6	20
83	Isolation and Mapping of Human T-Cell Protein Tyrosine Phosphatase Sequences: Localization of Genes and Pseudogenes Discriminated Using Fluorescence Hybridization with Genomic versus cDNA Probes. Genomics, 1993, 16, 619-629.	2.9	19
84	Assignment of the Nuclear Mitotic Apparatus Protein NuMA Gene to Human Chromosome 11q13. Genomics, 1993, 17, 222-224.	2.9	18
85	Induction by Butyrate of Differentiated Properties in Cloned Murine Rhabdomyosarcoma Cells. Differentiation, 1981, 18, 115-122.	1.9	17
86	Gene expression at single cell resolution associated with development of the bone cell phenotype: Ultrastructural and in situ hybridization analysis. Bone, 1993, 14, 347-352.	2.9	16
87	Progress Toward Ultrastructural Identification of Individual mRNAs in Thin Section: Myosin heavy-chain mRNA in Developing Myotubes. , 1989, , 147-165.		12
88	Localization of Three Genes in the Hook-Shaped Hamster Sperm Nucleus by Fluorescent in Situ Hybridization1. Biology of Reproduction, 1996, 54, 1271-1278.	2.7	11
89	Analysis of myogenesis by somatic cell hybridization. Experimental Cell Research, 1982, 142, 261-272.	2.6	7
90	Analysis of myogenesis by somatic cell hybridization. II. Retention of myogenic competence and suppression of transformed properties in hybrids between differentiation competent and incompetent rat L6 myoblasts. Journal of Cellular Physiology, 1983, 114, 99-110.	4.1	7

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91	In situ hybridization to chromosomes stabilized in gel microdrops. Cytometry, 1995, 21, 111-119.	1.8	7
92	SAF-A mutants disrupt chromatin structure through dominant negative effects on RNAs associated with chromatin. Mammalian Genome, 2022, 33, 366-381.	2.2	5
93	ZNF146/OZF and ZNF507 target LINE-1 sequences. G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	3
94	Quantitative analysis ofin situhybridization methods for the detection of actin gene expression. Nucleic Acids Research, 1985, 13, 3406-3406.	14.5	0
95	Nucleus | Nuclear Compartmentalization. , 2021, , 379-387.		0
96	Repeat RNAs in Chromosome Regulation and Misâ€Regulation in Cancer. FASEB Journal, 2012, 26, 203.4.	0.5	0