David L Spector

List of Publications by Year
in descending order

93 papers	24,268 citations	18887 64 h-index	51423 90 g-index
103 all docs	103 docs citations	103 times ranked	29612 citing authors

#	Article	IF	Citations
1	Patient-Derived Triple-Negative Breast Cancer Organoids Provide Robust Model Systems That Recapitulate Tumor Intrinsic Characteristics. Cancer Research, 2022, 82, 1174-1192.	0.4	21
2	<i>MaTAR25</i>: a long non-coding RNA involved in breast cancer progression. Molecular and Cellular Oncology, 2021, 8, 1882286.	0.3	0
3	PHAROH lncRNA regulates Myc translation in hepatocellular carcinoma via sequestering TIAR. ELife, 2021, 10, .	2.8	18
4	Noncoding RNAs: biology and applicationsâ€"a Keystone Symposia report. Annals of the New York Academy of Sciences, 2021, 1506, 118-141.	1.8	13
5	Comprehensive analysis of structural variants in breast cancer genomes using single-molecule sequencing. Genome Research, 2020, 30, 1258-1273.	2.4	72
6	MALAT1 Long Non-Coding RNA: Functional Implications. Non-coding RNA, 2020, 6, 22.	1.3	115
7	MaTAR25 lncRNA regulates the Tensin1 gene to impact breast cancer progression. Nature Communications, 2020, 11, 6438.	5.8	63
8	<i>MALAT1</i> long non-coding RNA and breast cancer. RNA Biology, 2019, 16, 860-863.	1.5	83
9	Therapeutic Targeting of Long Non-Coding RNAs in Cancer. Trends in Molecular Medicine, 2018, 24, 257-277.	3.5	453
10	POU2F3 is a master regulator of a tuft cell-like variant of small cell lung cancer. Genes and Development, 2018, 32, 915-928.	2.7	267
11	Identification and Characterization of a Class of MALAT1-like Genomic Loci. Cell Reports, 2017, 19, 1723-1738.	2.9	55
12	Antisense Oligonucleotide-mediated Knockdown in Mammary Tumor Organoids. Bio-protocol, 2017, 7, .	0.2	9
13	Mammary Tumor-Associated RNAs Impact Tumor Cell Proliferation, Invasion, and Migration. Cell Reports, 2016, 17, 261-274.	2.9	51
14	Differentiation of mammary tumors and reduction in metastasis upon <i>Malat1</i> lncRNA loss. Genes and Development, 2016, 30, 34-51.	2.7	488
15	Quantitative analysis of chromatin interaction changes upon a 4.3 Mb deletion at mouse 4E2. BMC Genomics, 2015, 16, 982.	1.2	2
16	Regulation of the ESC transcriptome by nuclear long noncoding RNAs. Genome Research, 2015, 25, 1336-1346.	2.4	80
17	Transient Pairing of Homologous Oct4 Alleles Accompanies the Onset of Embryonic Stem Cell Differentiation. Cell Stem Cell, 2015, 16, 275-288.	5.2	44
18	Non-rigid multi-frame registration of cell nuclei in live cell fluorescence microscopy image data. Medical Image Analysis, 2015, 19, 1-14.	7.0	15

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19	Long non-coding RNAs: modulators of nuclear structure and function. Current Opinion in Cell Biology, 2014, 26, 10-18.	2.6	219
20	Random Monoallelic Gene Expression Increases upon Embryonic Stem Cell Differentiation. Developmental Cell, 2014, 28, 351-365.	3.1	143
21	Identification and Initial Functional Characterization of a Human Vascular Cellâ€"Enriched Long Noncoding RNA. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1249-1259.	1.1	247
22	Random monoallelic expression: regulating gene expression one allele at a time. Trends in Genetics, 2014, 30, 237-244.	2.9	112
23	Chromatin organization and transcriptional regulation. Current Opinion in Genetics and Development, 2013, 23, 89-95.	1.5	156
24	Multiple Structural Maintenance of Chromosome Complexes at Transcriptional Regulatory Elements. Stem Cell Reports, 2013, 1, 371-378.	2.3	113
25	Chromatin Meets Its Organizers. Cell, 2013, 153, 1187-1189.	13.5	5
26	The Noncoding RNA <i>MALAT1</i> Is a Critical Regulator of the Metastasis Phenotype of Lung Cancer Cells. Cancer Research, 2013, 73, 1180-1189.	0.4	1,413
27	Role of SWI/SNF in acute leukemia maintenance and enhancer-mediated <i>Myc</i> regulation. Genes and Development, 2013, 27, 2648-2662.	2.7	394
28	Receptor-mediated delivery of engineered nucleases for genome modification. Nucleic Acids Research, 2013, 41, e182-e182.	6.5	38
29	Lamin A/C is Expressed in Pluripotent Mouse Embryonic Stem Cells. Nucleus, 2013, 4, 53-60.	0.6	93
30	The lncRNA Malat1 Is Dispensable for Mouse Development but Its Transcription Plays a cis-Regulatory Role in the Adult. Cell Reports, 2012, 2, 111-123.	2.9	542
31	Gene bookmarking accelerates the kinetics of post-mitotic transcriptional re-activation. Nature Cell Biology, 2011, 13, 1295-1304.	4.6	238
32	Nuclear Speckles. Cold Spring Harbor Perspectives in Biology, 2011, 3, a000646-a000646.	2.3	664
33	Direct visualization of the co-transcriptional assembly of a nuclear body by noncoding RNAs. Nature Cell Biology, 2011, 13, 95-101.	4.6	420
34	Biogenesis and function of nuclear bodies. Trends in Genetics, 2011, 27, 295-306.	2.9	585
35	Four amino acids guide the assembly or disassembly of <i>Arabidopsis</i> histone H3.3-containing nucleosomes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10574-10578.	3.3	62
36	A Biological Delivery Platform for Zinc Finger Nucleases Using Transferrin-Mediated Endocytosis. Blood, 2011, 118, 1071-1071.	0.6	0

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37	Chromatin Dynamics. Annual Review of Biophysics, 2010, 39, 471-489.	4.5	159
38	A long nuclear-retained non-coding RNA regulates synaptogenesis by modulating gene expression. EMBO Journal, 2010, 29, 3082-3093.	3.5	646
39	An unexpected ending: Noncanonical 3â€² end processing mechanisms. Rna, 2010, 16, 259-266.	1.6	54
40	The life of an mRNA in space and time. Journal of Cell Science, 2010, 123, 1761-1774.	1.2	112
41	Regulation of the Histone H4 Monomethylase PR-Set7 by CRL4Cdt2-Mediated PCNA-Dependent Degradation during DNA Damage. Molecular Cell, 2010, 40, 364-376.	4.5	213
42	<i>MEN Îµ/Î²</i> nuclear-retained non-coding RNAs are up-regulated upon muscle differentiation and are essential components of paraspeckles. Genome Research, 2009, 19, 347-359.	2.4	570
43	Nuclear neighborhoods and gene expression. Current Opinion in Genetics and Development, 2009, 19, 172-179.	1.5	159
44	Long noncoding RNAs: functional surprises from the RNA world. Genes and Development, 2009, 23, 1494-1504.	2.7	2,032
45	53BP1 promotes non-homologous end joining of telomeres by increasing chromatin mobility. Nature, 2008, 456, 524-528.	13.7	511
46	Genomeâ€wide transposon tagging reveals locationâ€dependent effects on transcription and chromatin organization in Arabidopsis. Plant Journal, 2008, 55, 514-525.	2.8	80
47	Chromatin Dynamics and Gene Positioning. Cell, 2008, 132, 929-934.	13.5	139
48	3â€² End Processing of a Long Nuclear-Retained Noncoding RNA Yields a tRNA-like Cytoplasmic RNA. Cell, 2008, 135, 919-932.	13.5	597
49	A genetic locus targeted to the nuclear periphery in living cells maintains its transcriptional competence. Journal of Cell Biology, 2008, 180, 51-65.	2.3	353
50	Eukaryotic regulatory RNAs: an answer to the 'genome complexity' conundrum. Genes and Development, 2007, 21, 11-42.	2.7	356
51	Identification of Nuclear Dicing Bodies Containing Proteins for MicroRNA Biogenesis in Living Arabidopsis Plants. Current Biology, 2007, 17, 818-823.	1.8	425
52	SnapShot: Cellular Bodies. Cell, 2006, 127, 1071.e1-1071.e2.	13.5	135
53	PIAS1 confers DNA-binding specificity on the Msx1 homeoprotein. Genes and Development, 2006, 20, 784-794.	2.7	88
54	Human Orc2 localizes to centrosomes, centromeres and heterochromatin during chromosome inheritance. EMBO Journal, 2005, 24, 1094-1094.	3.5	1

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55	Differential Regulation of Strand-Specific Transcripts from Arabidopsis Centromeric Satellite Repeats. PLoS Genetics, 2005, 1, e79.	1.5	162
56	Regulating Gene Expression through RNA Nuclear Retention. Cell, 2005, 123, 249-263.	13.5	636
57	Dynamics of Single mRNPs in Nuclei of Living Cells. Science, 2004, 304, 1797-1800.	6.0	476
58	Hypophosphorylated SR splicing factors transiently localize around active nucleolar organizing regions in telophase daughter nuclei. Journal of Cell Biology, 2004, 167, 51-63.	2.3	51
59	â€œOn the moveâ€ments of nuclear components in living cells. Experimental Cell Research, 2004, 296, 4-11.	1.2	31
60	Stopping for FISH and Chips along the Chromatin Fiber Superhighway. Molecular Cell, 2004, 15, 844-846.	4.5	5
61	From Silencing to Gene Expression. Cell, 2004, 116, 683-698.	13.5	658
62	Human Orc2 localizes to centrosomes, centromeres and heterochromatin during chromosome inheritance. EMBO Journal, 2004, 23, 2651-2663.	3.5	235
63	Proteomic Analysis of Interchromatin Granule Clusters. Molecular Biology of the Cell, 2004, 15, 3876-3890.	0.9	253
64	The Dynamics of Chromosome Organization and Gene Regulation. Annual Review of Biochemistry, 2003, 72, 573-608.	5.0	316
65	Nuclear choreography: interpretations from living cells. Current Opinion in Cell Biology, 2003, 15, 149-157.	2.6	41
66	Nuclear speckles: a model for nuclear organelles. Nature Reviews Molecular Cell Biology, 2003, 4, 605-612.	16.1	870
67	Rb-Mediated Heterochromatin Formation and Silencing of E2F Target Genes during Cellular Senescence. Cell, 2003, 113, 703-716.	13.5	1,991
68	Sequential Entry of Components of Gene Expression Machinery into Daughter Nuclei. Molecular Biology of the Cell, 2003, 14, 1043-1057.	0.9	125
69	Disassembly of interchromatin granule clusters alters the coordination of transcription and pre-mRNA splicing. Journal of Cell Biology, 2002, 156, 425-436.	2.3	133
70	PML Nuclear Body Identification and Ultrastructure in Rodent Tissues and Cultured Cells by Post-Embedding Immunogold Labeling. Microscopy and Microanalysis, 2002, 8, 728-729.	0.2	0
71	Metabolic-energy-dependent movement of PML bodies within the mammalian cell nucleus. Nature Cell Biology, 2002, 4, 106-110.	4.6	153
72	Differentially methylated forms of histone H3 show unique association patterns with inactive human X chromosomes. Nature Genetics, 2002, 30, 73-76.	9.4	343

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73	Methylation of Histone H3 at Lys-9 Is an Early Mark on the X Chromosome during X Inactivation. Cell, 2001, 107, 727-738.	13.5	471
74	Visualization of gene activity in living cells. Nature Cell Biology, 2000, 2, 871-878.	4.6	289
75	Studying Subnuclear Dynamics in Living Cells. Microscopy and Microanalysis, 2000, 6, 836-837.	0.2	0
76	RNA Polymerase II Targets Pre-mRNA Splicing Factors to Transcription Sites In Vivo. Molecular Cell, 1999, 3, 697-705.	4.5	297
77	The cellular organization of gene expression. Current Opinion in Cell Biology, 1998, 10, 323-331.	2.6	219
78	The Perinucleolar Compartment and Transcription. Journal of Cell Biology, 1998, 143, 35-47.	2.3	85
79	Serine Phosphorylation of SR Proteins Is Required for Their Recruitment to Sites of Transcription In Vivo. Journal of Cell Biology, 1998, 143, 297-307.	2.3	236
80	A Covalent Fluorescentâ€"Gold Immunoprobe: Simultaneous Detection of a Pre-mRNA Splicing Factor by Light and Electron Microscopy. Journal of Histochemistry and Cytochemistry, 1997, 45, 947-956.	1.3	77
81	The Dynamic Organization of the Perinucleolar Compartment in the Cell Nucleus. Journal of Cell Biology, 1997, 137, 965-974.	2.3	116
82	Role of the Modular Domains of SR Proteins in Subnuclear Localization and Alternative Splicing Specificity. Journal of Cell Biology, 1997, 138, 225-238.	2.3	360
83	Applications of the green fluorescent protein in cell biology and biotechnology. Nature Biotechnology, 1997, 15, 961-964.	9.4	335
84	The dynamics of a pre-mRNA splicing factor in living cells. Nature, 1997, 387, 523-527.	13.7	563
85	Protein phosphorylation and the nuclear organization of pre-mRNA splicing. Trends in Cell Biology, 1997, 7, 135-138.	3.6	99
86	Nuclear Organization and Gene Expression. Experimental Cell Research, 1996, 229, 189-197.	1.2	114
87	Cycling splicing factors. Nature, 1994, 369, 604-604.	13.7	9
88	Nuclear organization of pre-mRNA processing. Current Opinion in Cell Biology, 1993, 5, 442-447.	2.6	111
89	Organization of RNA polymerase II transcription and pre-mRNA splicing within the mammalian cell nucleus. Biochemical Society Transactions, 1993, 21, 918-920.	1.6	13
90	Will the real splicing sites please light up?. Current Biology, 1992, 2, 188-190.	1.8	19

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91	Redistribution of U-snRNPs during mitosis. Experimental Cell Research, 1986, 163, 87-94.	1.2	99
92	Silver staining, immunofluorescence, and immunoelectron microscopic localization of nucleolar phosphoproteins B23 and C23. Chromosoma, 1984, 90, 139-148.	1.0	278
93	Chromosome structure and mitosis in the dinoflagellates: An ultrastructural approach to an evolutionary problem. BioSystems, 1981, 14, 289-298.	0.9	40