

# David L Spector

## List of Publications by Year in descending order

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93  
papers

24,268  
citations

16411

64  
h-index

45213

90  
g-index

103  
all docs

103  
docs citations

103  
times ranked

26813  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long noncoding RNAs: functional surprises from the RNA world. <i>Genes and Development</i> , 2009, 23, 1494-1504.	2.7	2,032
2	Rb-Mediated Heterochromatin Formation and Silencing of E2F Target Genes during Cellular Senescence. <i>Cell</i> , 2003, 113, 703-716.	13.5	1,991
3	The Noncoding RNA <i>MALAT1</i> Is a Critical Regulator of the Metastasis Phenotype of Lung Cancer Cells. <i>Cancer Research</i> , 2013, 73, 1180-1189.	0.4	1,413
4	Nuclear speckles: a model for nuclear organelles. <i>Nature Reviews Molecular Cell Biology</i> , 2003, 4, 605-612.	16.1	870
5	Nuclear Speckles. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a000646-a000646.	2.3	664
6	From Silencing to Gene Expression. <i>Cell</i> , 2004, 116, 683-698.	13.5	658
7	A long nuclear-retained non-coding RNA regulates synaptogenesis by modulating gene expression. <i>EMBO Journal</i> , 2010, 29, 3082-3093.	3.5	646
8	Regulating Gene Expression through RNA Nuclear Retention. <i>Cell</i> , 2005, 123, 249-263.	13.5	636
9	3' End Processing of a Long Nuclear-Retained Noncoding RNA Yields a tRNA-like Cytoplasmic RNA. <i>Cell</i> , 2008, 135, 919-932.	13.5	597
10	Biogenesis and function of nuclear bodies. <i>Trends in Genetics</i> , 2011, 27, 295-306.	2.9	585
11	<i>MEN1</i> nuclear-retained non-coding RNAs are up-regulated upon muscle differentiation and are essential components of paraspeckles. <i>Genome Research</i> , 2009, 19, 347-359.	2.4	570
12	The dynamics of a pre-mRNA splicing factor in living cells. <i>Nature</i> , 1997, 387, 523-527.	13.7	563
13	The lncRNA Malat1 Is Dispensable for Mouse Development but Its Transcription Plays a cis-Regulatory Role in the Adult. <i>Cell Reports</i> , 2012, 2, 111-123.	2.9	542
14	53BP1 promotes non-homologous end joining of telomeres by increasing chromatin mobility. <i>Nature</i> , 2008, 456, 524-528.	13.7	511
15	Differentiation of mammary tumors and reduction in metastasis upon <i>Malat1</i> lncRNA loss. <i>Genes and Development</i> , 2016, 30, 34-51.	2.7	488
16	Dynamics of Single mRNPs in Nuclei of Living Cells. <i>Science</i> , 2004, 304, 1797-1800.	6.0	476
17	Methylation of Histone H3 at Lys-9 Is an Early Mark on the X Chromosome during X Inactivation. <i>Cell</i> , 2001, 107, 727-738.	13.5	471
18	Therapeutic Targeting of Long Non-Coding RNAs in Cancer. <i>Trends in Molecular Medicine</i> , 2018, 24, 257-277.	3.5	453

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19	Identification of Nuclear Dicing Bodies Containing Proteins for MicroRNA Biogenesis in Living Arabidopsis Plants. <i>Current Biology</i> , 2007, 17, 818-823.	1.8	425
20	Direct visualization of the co-transcriptional assembly of a nuclear body by noncoding RNAs. <i>Nature Cell Biology</i> , 2011, 13, 95-101.	4.6	420
21	Role of SWI/SNF in acute leukemia maintenance and enhancer-mediated <i>Myc</i> regulation. <i>Genes and Development</i> , 2013, 27, 2648-2662.	2.7	394
22	Role of the Modular Domains of SR Proteins in Subnuclear Localization and Alternative Splicing Specificity. <i>Journal of Cell Biology</i> , 1997, 138, 225-238.	2.3	360
23	Eukaryotic regulatory RNAs: an answer to the 'genome complexity' conundrum. <i>Genes and Development</i> , 2007, 21, 11-42.	2.7	356
24	A genetic locus targeted to the nuclear periphery in living cells maintains its transcriptional competence. <i>Journal of Cell Biology</i> , 2008, 180, 51-65.	2.3	353
25	Differentially methylated forms of histone H3 show unique association patterns with inactive human X chromosomes. <i>Nature Genetics</i> , 2002, 30, 73-76.	9.4	343
26	Applications of the green fluorescent protein in cell biology and biotechnology. <i>Nature Biotechnology</i> , 1997, 15, 961-964.	9.4	335
27	The Dynamics of Chromosome Organization and Gene Regulation. <i>Annual Review of Biochemistry</i> , 2003, 72, 573-608.	5.0	316
28	RNA Polymerase II Targets Pre-mRNA Splicing Factors to Transcription Sites In Vivo. <i>Molecular Cell</i> , 1999, 3, 697-705.	4.5	297
29	Visualization of gene activity in living cells. <i>Nature Cell Biology</i> , 2000, 2, 871-878.	4.6	289
30	Silver staining, immunofluorescence, and immunoelectron microscopic localization of nucleolar phosphoproteins B23 and C23. <i>Chromosoma</i> , 1984, 90, 139-148.	1.0	278
31	POU2F3 is a master regulator of a tuft cell-like variant of small cell lung cancer. <i>Genes and Development</i> , 2018, 32, 915-928.	2.7	267
32	Proteomic Analysis of Interchromatin Granule Clusters. <i>Molecular Biology of the Cell</i> , 2004, 15, 3876-3890.	0.9	253
33	Identification and Initial Functional Characterization of a Human Vascular Cell-Enriched Long Noncoding RNA. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1249-1259.	1.1	247
34	Gene bookmarking accelerates the kinetics of post-mitotic transcriptional re-activation. <i>Nature Cell Biology</i> , 2011, 13, 1295-1304.	4.6	238
35	Serine Phosphorylation of SR Proteins Is Required for Their Recruitment to Sites of Transcription In Vivo. <i>Journal of Cell Biology</i> , 1998, 143, 297-307.	2.3	236
36	Human Orc2 localizes to centrosomes, centromeres and heterochromatin during chromosome inheritance. <i>EMBO Journal</i> , 2004, 23, 2651-2663.	3.5	235

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37	The cellular organization of gene expression. <i>Current Opinion in Cell Biology</i> , 1998, 10, 323-331.	2.6	219
38	Long non-coding RNAs: modulators of nuclear structure and function. <i>Current Opinion in Cell Biology</i> , 2014, 26, 10-18.	2.6	219
39	Regulation of the Histone H4 Monomethylase PR-Set7 by CRL4Cdt2-Mediated PCNA-Dependent Degradation during DNA Damage. <i>Molecular Cell</i> , 2010, 40, 364-376.	4.5	213
40	Differential Regulation of Strand-Specific Transcripts from Arabidopsis Centromeric Satellite Repeats. <i>PLoS Genetics</i> , 2005, 1, e79.	1.5	162
41	Nuclear neighborhoods and gene expression. <i>Current Opinion in Genetics and Development</i> , 2009, 19, 172-179.	1.5	159
42	Chromatin Dynamics. <i>Annual Review of Biophysics</i> , 2010, 39, 471-489.	4.5	159
43	Chromatin organization and transcriptional regulation. <i>Current Opinion in Genetics and Development</i> , 2013, 23, 89-95.	1.5	156
44	Metabolic-energy-dependent movement of PML bodies within the mammalian cell nucleus. <i>Nature Cell Biology</i> , 2002, 4, 106-110.	4.6	153
45	Random Monoallelic Gene Expression Increases upon Embryonic Stem Cell Differentiation. <i>Developmental Cell</i> , 2014, 28, 351-365.	3.1	143
46	Chromatin Dynamics and Gene Positioning. <i>Cell</i> , 2008, 132, 929-934.	13.5	139
47	SnapShot: Cellular Bodies. <i>Cell</i> , 2006, 127, 1071.e1-1071.e2.	13.5	135
48	Disassembly of interchromatin granule clusters alters the coordination of transcription and pre-mRNA splicing. <i>Journal of Cell Biology</i> , 2002, 156, 425-436.	2.3	133
49	Sequential Entry of Components of Gene Expression Machinery into Daughter Nuclei. <i>Molecular Biology of the Cell</i> , 2003, 14, 1043-1057.	0.9	125
50	The Dynamic Organization of the Perinucleolar Compartment in the Cell Nucleus. <i>Journal of Cell Biology</i> , 1997, 137, 965-974.	2.3	116
51	MALAT1 Long Non-Coding RNA: Functional Implications. <i>Non-coding RNA</i> , 2020, 6, 22.	1.3	115
52	Nuclear Organization and Gene Expression. <i>Experimental Cell Research</i> , 1996, 229, 189-197.	1.2	114
53	Multiple Structural Maintenance of Chromosome Complexes at Transcriptional Regulatory Elements. <i>Stem Cell Reports</i> , 2013, 1, 371-378.	2.3	113
54	The life of an mRNA in space and time. <i>Journal of Cell Science</i> , 2010, 123, 1761-1774.	1.2	112

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55	Random monoallelic expression: regulating gene expression one allele at a time. <i>Trends in Genetics</i> , 2014, 30, 237-244.	2.9	112
56	Nuclear organization of pre-mRNA processing. <i>Current Opinion in Cell Biology</i> , 1993, 5, 442-447.	2.6	111
57	Redistribution of U-snRNPs during mitosis. <i>Experimental Cell Research</i> , 1986, 163, 87-94.	1.2	99
58	Protein phosphorylation and the nuclear organization of pre-mRNA splicing. <i>Trends in Cell Biology</i> , 1997, 7, 135-138.	3.6	99
59	Lamin A/C is Expressed in Pluripotent Mouse Embryonic Stem Cells. <i>Nucleus</i> , 2013, 4, 53-60.	0.6	93
60	PIAS1 confers DNA-binding specificity on the Msx1 homeoprotein. <i>Genes and Development</i> , 2006, 20, 784-794.	2.7	88
61	The Perinucleolar Compartment and Transcription. <i>Journal of Cell Biology</i> , 1998, 143, 35-47.	2.3	85
62	<i>MALAT1</i> long non-coding RNA and breast cancer. <i>RNA Biology</i> , 2019, 16, 860-863.	1.5	83
63	Genome-wide transposon tagging reveals location-dependent effects on transcription and chromatin organization in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2008, 55, 514-525.	2.8	80
64	Regulation of the ESC transcriptome by nuclear long noncoding RNAs. <i>Genome Research</i> , 2015, 25, 1336-1346.	2.4	80
65	A Covalent Fluorescent "Gold Immunoprobe: Simultaneous Detection of a Pre-mRNA Splicing Factor by Light and Electron Microscopy. <i>Journal of Histochemistry and Cytochemistry</i> , 1997, 45, 947-956.	1.3	77
66	Comprehensive analysis of structural variants in breast cancer genomes using single-molecule sequencing. <i>Genome Research</i> , 2020, 30, 1258-1273.	2.4	72
67	MaTAR25 lncRNA regulates the Tensin1 gene to impact breast cancer progression. <i>Nature Communications</i> , 2020, 11, 6438.	5.8	63
68	Four amino acids guide the assembly or disassembly of <i>Arabidopsis</i> histone H3.3-containing nucleosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10574-10578.	3.3	62
69	Identification and Characterization of a Class of MALAT1-like Genomic Loci. <i>Cell Reports</i> , 2017, 19, 1723-1738.	2.9	55
70	An unexpected ending: Noncanonical 3' end processing mechanisms. <i>Rna</i> , 2010, 16, 259-266.	1.6	54
71	Hypophosphorylated SR splicing factors transiently localize around active nucleolar organizing regions in telophase daughter nuclei. <i>Journal of Cell Biology</i> , 2004, 167, 51-63.	2.3	51
72	Mammary Tumor-Associated RNAs Impact Tumor Cell Proliferation, Invasion, and Migration. <i>Cell Reports</i> , 2016, 17, 261-274.	2.9	51

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73	Transient Pairing of Homologous Oct4 Alleles Accompanies the Onset of Embryonic Stem Cell Differentiation. <i>Cell Stem Cell</i> , 2015, 16, 275-288.	5.2	44
74	Nuclear choreography: interpretations from living cells. <i>Current Opinion in Cell Biology</i> , 2003, 15, 149-157.	2.6	41
75	Chromosome structure and mitosis in the dinoflagellates: An ultrastructural approach to an evolutionary problem. <i>BioSystems</i> , 1981, 14, 289-298.	0.9	40
76	Receptor-mediated delivery of engineered nucleases for genome modification. <i>Nucleic Acids Research</i> , 2013, 41, e182-e182.	6.5	38
77	“On the movements of nuclear components in living cells. <i>Experimental Cell Research</i> , 2004, 296, 4-11.	1.2	31
78	Patient-Derived Triple-Negative Breast Cancer Organoids Provide Robust Model Systems That Recapitulate Tumor Intrinsic Characteristics. <i>Cancer Research</i> , 2022, 82, 1174-1192.	0.4	21
79	Will the real splicing sites please light up?. <i>Current Biology</i> , 1992, 2, 188-190.	1.8	19
80	PHAROH lncRNA regulates Myc translation in hepatocellular carcinoma via sequestering TIAR. <i>ELife</i> , 2021, 10, .	2.8	18
81	Non-rigid multi-frame registration of cell nuclei in live cell fluorescence microscopy image data. <i>Medical Image Analysis</i> , 2015, 19, 1-14.	7.0	15
82	Organization of RNA polymerase II transcription and pre-mRNA splicing within the mammalian cell nucleus. <i>Biochemical Society Transactions</i> , 1993, 21, 918-920.	1.6	13
83	Noncoding RNAs: biology and applications” a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2021, 1506, 118-141.	1.8	13
84	Cycling splicing factors. <i>Nature</i> , 1994, 369, 604-604.	13.7	9
85	Antisense Oligonucleotide-mediated Knockdown in Mammary Tumor Organoids. <i>Bio-protocol</i> , 2017, 7, .	0.2	9
86	Stopping for FISH and Chips along the Chromatin Fiber Superhighway. <i>Molecular Cell</i> , 2004, 15, 844-846.	4.5	5
87	Chromatin Meets Its Organizers. <i>Cell</i> , 2013, 153, 1187-1189.	13.5	5
88	Quantitative analysis of chromatin interaction changes upon a 4.3 Mb deletion at mouse 4E2. <i>BMC Genomics</i> , 2015, 16, 982.	1.2	2
89	Human Orc2 localizes to centrosomes, centromeres and heterochromatin during chromosome inheritance. <i>EMBO Journal</i> , 2005, 24, 1094-1094.	3.5	1
90	Studying Subnuclear Dynamics in Living Cells. <i>Microscopy and Microanalysis</i> , 2000, 6, 836-837.	0.2	0

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91	PML Nuclear Body Identification and Ultrastructure in Rodent Tissues and Cultured Cells by Post-Embedding Immunogold Labeling. <i>Microscopy and Microanalysis</i> , 2002, 8, 728-729.	0.2	0
92	<i>MaTAR25</i> : a long non-coding RNA involved in breast cancer progression. <i>Molecular and Cellular Oncology</i> , 2021, 8, 1882286.	0.3	0
93	A Biological Delivery Platform for Zinc Finger Nucleases Using Transferrin-Mediated Endocytosis. <i>Blood</i> , 2011, 118, 1071-1071.	0.6	0