

Daniel R Schoenberg

List of Publications by Year in descending order

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88
papers

4,440
citations

117453

34
h-index

106150

65
g-index

92
all docs

92
docs citations

92
times ranked

5618
citing authors

#	ARTICLE	IF	CITATIONS
1	Common SNP in <i>pre-miR-146a</i> decreases mature miR expression and predisposes to papillary thyroid carcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7269-7274.	3.3	792
2	Regulation of cytoplasmic mRNA decay. <i>Nature Reviews Genetics</i> , 2012, 13, 246-259.	7.7	542
3	<i>Mycobacterium tuberculosis</i> lipomannan blocks TNF biosynthesis by regulating macrophage MAPK-activated protein kinase 2 (MK2) and microRNA miR-125b. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17408-17413.	3.3	255
4	A role for the eIF4E-binding protein 4E-T in P-body formation and mRNA decay. <i>Journal of Cell Biology</i> , 2005, 170, 913-924.	2.3	210
5	RNA helicase A is necessary for translation of selected messenger RNAs. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 509-516.	3.6	184
6	Translation from a DMD exon 5 IRES results in a functional dystrophin isoform that attenuates dystrophinopathy in humans and mice. <i>Nature Medicine</i> , 2014, 20, 992-1000.	15.2	113
7	Identification of a Cytoplasmic Complex That Adds a Cap onto 5'-Monophosphate RNA. <i>Molecular and Cellular Biology</i> , 2009, 29, 2155-2167.	1.1	103
8	Re-capping the message. <i>Trends in Biochemical Sciences</i> , 2009, 34, 435-442.	3.7	87
9	Vigilin binding selectively inhibits cleavage of the vitellogenin mRNA 3'-untranslated region by the mRNA endonuclease polysomal ribonuclease 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 12498-12502.	3.3	74
10	Identification of Cytoplasmic Capping Targets Reveals a Role for Cap Homeostasis in Translation and mRNA Stability. <i>Cell Reports</i> , 2012, 2, 674-684.	2.9	71
11	Purification and Characterization of an Estrogen-regulated Xenopus Liver Polysomal Nuclease Involved in the Selective Destabilization of Albumin mRNA. <i>Journal of Biological Chemistry</i> , 1995, 270, 6108-6118.	1.6	62
12	Mechanisms of endonuclease-mediated mRNA decay. <i>Wiley Interdisciplinary Reviews RNA</i> , 2011, 2, 582-600.	3.2	62
13	New Ways of Initiating Translation in Eukaryotes?. <i>Molecular and Cellular Biology</i> , 2001, 21, 8238-8246.	1.1	60
14	Estrogen-induced ribonuclease activity in Xenopus liver. <i>Biochemistry</i> , 1991, 30, 10490-10498.	1.2	59
15	Amphibian albumins as members of the albumin, alpha-fetoprotein, vitamin D-binding protein multigene family. <i>Journal of Molecular Evolution</i> , 1989, 29, 344-354.	0.8	55
16	Identification of a novel member of the pentraxin family in <i>Xenopus laevis</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1993, 253, 263-270.	1.2	54
17	\hat{A} -Globin mRNA decay in erythroid cells: UG site-preferred endonucleolytic cleavage that is augmented by a premature termination codon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12741-12746.	3.3	53
18	A+U-Rich Instability Elements Differentially Activate 5'-3' and 3'-5' mRNA Decay. <i>Molecular and Cellular Biology</i> , 2007, 27, 2791-2799.	1.1	53

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19	Identification of a novel noncoding RNA gene, NAMA, that is downregulated in papillary thyroid carcinoma with BRAF mutation and associated with growth arrest. <i>International Journal of Cancer</i> , 2007, 121, 767-775.	2.3	53
20	A recap of RNA recapping. <i>Wiley Interdisciplinary Reviews RNA</i> , 2019, 10, e1504.	3.2	52
21	RNA guanine-7 methyltransferase catalyzes the methylation of cytoplasmically recapped RNAs. <i>Nucleic Acids Research</i> , 2017, 45, 10726-10739.	6.5	49
22	Coordinate Estrogen-Regulated Instability of Serum Protein-Coding Messenger RNAs in <i>Xenopus laevis</i> . <i>Molecular Endocrinology</i> , 1991, 5, 461-468.	3.7	47
23	A polysomal ribonuclease involved in the destabilization of albumin mRNA is a novel member of the peroxidase gene family. <i>Rna</i> , 1998, 4, 1537-1548.	1.6	47
24	Extranuclear Estrogen-Regulated Destabilization of <i>Xenopus laevis</i> Serum Albumin mRNA. <i>Molecular Endocrinology</i> , 1989, 3, 805-814.	3.7	45
25	Chapter 24 Assays for Determining Poly(A) Tail Length and the Polarity of mRNA Decay in Mammalian Cells. <i>Methods in Enzymology</i> , 2008, 448, 483-504.	0.4	45
26	<i>Xenopus laevis</i> Serum Albumin: Sequence of the Complementary Deoxyribonucleic Acids Encoding the 68- and 74-Kilodalton Peptides and the Regulation of Albumin Gene Expression by Thyroid Hormone during Development*. <i>Molecular Endocrinology</i> , 1989, 3, 464-473.	3.7	44
27	Transcriptional and post-transcriptional inhibition of albumin gene expression by estrogen in <i>Xenopus</i> liver. <i>Molecular and Cellular Endocrinology</i> , 1986, 44, 201-209.	1.6	39
28	The nucleotide sequence of <i>Xenopus laevis</i> transferrin mRNA. <i>Nucleic Acids Research</i> , 1990, 18, 6135-6135.	6.5	36
29	Endonuclease-Mediated mRNA Decay Involves the Selective Targeting of PMR1 to Polyribosome-Bound Substrate mRNA. <i>Molecular Cell</i> , 2004, 14, 435-445.	4.5	36
30	Cleavage properties of an estrogen-regulated polysomal ribonuclease involved in the destabilization of albumin mRNA. <i>Nucleic Acids Research</i> , 1997, 25, 735-742.	6.5	35
31	The poly(A)-limiting element is a conserved cis-acting sequence that regulates poly(A) tail length on nuclear pre-mRNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 8943-8948.	3.3	35
32	Polysome-Bound Endonuclease PMR1 Is Targeted to Stress Granules via Stress-Specific Binding to TIA-1. <i>Molecular and Cellular Biology</i> , 2006, 26, 8803-8813.	1.1	35
33	RNA processing defects associated with diseases of the motor neuron. <i>Muscle and Nerve</i> , 2010, 41, 5-17.	1.0	35
34	The Cytoplasmic Capping Complex Assembles on Adapter Protein Nck1 Bound to the Proline-Rich C-Terminus of Mammalian Capping Enzyme. <i>PLoS Biology</i> , 2014, 12, e1001933.	2.6	35
35	Microsomal Triglyceride Transfer Protein Promotes the Secretion of <i>Xenopus laevis</i> Vitellogenin A1. <i>Journal of Biological Chemistry</i> , 2005, 280, 13902-13905.	1.6	32
36	mRNA with a <20-nt poly(A) tail imparted by the poly(A)-limiting element is translated as efficiently in vivo as long poly(A) mRNA. <i>Rna</i> , 2005, 11, 1131-1140.	1.6	31

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37	An endonuclease activity similar to <i>Xenopus</i> PMR1 catalyzes the degradation of normal and nonsense-containing human \hat{A} -globin mRNA in erythroid cells. <i>Rna</i> , 2003, 9, 1157-1167.	1.6	29
38	Polysomal ribonuclease 1 exists in a latent form on polysomes prior to estrogen activation of mRNA decay. <i>Nucleic Acids Research</i> , 2001, 29, 1156-1162.	6.5	28
39	Sequence of <i>Xenopus Laevis</i> Ferritin mRNA. <i>Nucleic Acids Research</i> , 1990, 18, 2184-2184.	6.5	25
40	KSRP-PMR1-exosome association determines parathyroid hormone mRNA levels and stability in transfected cells. <i>BMC Cell Biology</i> , 2009, 10, 70.	3.0	25
41	Estrogen regulation of <i>Xenopus laevis</i> .gamma.-fibrinogen gene expression. <i>Biochemistry</i> , 1990, 29, 2599-2605.	1.2	24
42	Identification of two cis-acting elements that independently regulate the length of poly(A) on <i>Xenopus</i> albumin pre-mRNA. <i>Rna</i> , 1998, 4, 766-776.	1.6	24
43	The end defines the means in bacterial mRNA decay. <i>Nature Chemical Biology</i> , 2007, 3, 535-536.	3.9	24
44	Cap homeostasis is independent of poly(A) tail length. <i>Nucleic Acids Research</i> , 2016, 44, 304-314.	6.5	24
45	Posttranscriptional Regulation of Albumin Gene Expression in <i>Xenopus</i> Liver: Evidence for an Estrogen Receptor-Dependent Mechanism*. <i>Molecular Endocrinology</i> , 1987, 1, 160-167.	3.7	23
46	The Nuclease That Selectively Degrades Albumin mRNA in Vitro Associates with <i>Xenopus</i> Liver Polysomes through the 80S Ribosome Complex. <i>Archives of Biochemistry and Biophysics</i> , 1993, 305, 313-319.	1.4	22
47	Characterization of mRNA Endonucleases. <i>Methods</i> , 1999, 17, 60-73.	1.9	22
48	Identification of in Vivo mRNA Decay Intermediates Corresponding to Sites of in Vitro Cleavage by Polysomal Ribonuclease 1. <i>Journal of Biological Chemistry</i> , 2001, 276, 12331-12337.	1.6	22
49	Endonuclease-mediated mRNA Decay Requires Tyrosine Phosphorylation of Polysomal Ribonuclease 1 (PMR1) for the Targeting and Degradation of Polyribosome-bound Substrate mRNA. <i>Journal of Biological Chemistry</i> , 2004, 279, 48993-49002.	1.6	22
50	Uncapped 5' ends of mRNAs targeted by cytoplasmic capping map to the vicinity of downstream CAGE tags. <i>FEBS Letters</i> , 2015, 589, 279-284.	1.3	22
51	Impact of FHIT loss on the translation of cancer-associated mRNAs. <i>Molecular Cancer</i> , 2017, 16, 179.	7.9	20
52	Nuclear association states of rat uterine oestrogen receptors as probed by nuclease digestion. <i>Biochemical Journal</i> , 1981, 196, 423-432.	3.2	19
53	Regulated nuclear polyadenylation of <i>Xenopus</i> albumin pre-mRNA. <i>Nucleic Acids Research</i> , 1996, 24, 4078-4083.	6.5	19
54	c-Src Activates Endonuclease-Mediated mRNA Decay. <i>Molecular Cell</i> , 2007, 25, 779-787.	4.5	19

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55	In Vivo and In Vitro Analysis of Poly(A) Length Effects on mRNA Translation. <i>Methods in Molecular Biology</i> , 2008, 419, 215-230.	0.4	19
56	Differential Induction of Hepatic Estrogen Receptor and Vitellogenin Gene Transcription in <i>Xenopus laevis</i> *. <i>Endocrinology</i> , 1987, 120, 1283-1290.	1.4	17
57	SMG6 Cleavage Generates Metastable Decay Intermediates from Nonsense-Containing β -Globin mRNA. <i>PLoS ONE</i> , 2013, 8, e74791.	1.1	16
58	Albumin is encoded by 2 messenger RNAs in <i>Xenopus laevis</i> . <i>Nucleic Acids Research</i> , 1981, 9, 6669-6688.	6.5	14
59	Halocarbon hepatotoxicity is not initiated by Ca ²⁺ -stimulated endonuclease activation. <i>Toxicology and Applied Pharmacology</i> , 1989, 97, 350-359.	1.3	14
60	Differential regulation and polyadenylation of transferrin mRNA in <i>Xenopus</i> liver and oviduct. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1992, 42, 649-657.	1.2	12
61	U2AF modulates poly(A) length control by the poly(A)-limiting element. <i>Nucleic Acids Research</i> , 2003, 31, 6264-6271.	6.5	12
62	The human PMR1 endonuclease stimulates cell motility by down regulating miR-200 family microRNAs. <i>Nucleic Acids Research</i> , 2016, 44, 5811-5819.	6.5	12
63	The estrogen-regulated destabilization of <i>Xenopus</i> albumin mRNA is independent of translation. <i>Biochemical and Biophysical Research Communications</i> , 1991, 174, 825-830.	1.0	11
64	The 90-kDa Heat Shock Protein Stabilizes the Polysomal Ribonuclease 1 mRNA Endonuclease to Degradation by the 26S Proteasome. <i>Molecular Biology of the Cell</i> , 2008, 19, 546-552.	0.9	11
65	Inhibition of cytoplasmic cap methylation identifies 5' TOP mRNAs as recapping targets and reveals recapping sites downstream of native 5' ends. <i>Nucleic Acids Research</i> , 2020, 48, 3806-3815.	6.5	11
66	Effects of antiestrogens on the induction of vitellogenin and its mRNA in <i>Xenopus laevis</i> . <i>The Journal of Steroid Biochemistry</i> , 1986, 24, 1141-1149.	1.3	10
67	Identification of Fhit as a post-transcriptional effector of Thymidine Kinase 1 expression. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 374-382.	0.9	10
68	Position and sequence requirements for poly(A) length regulation by the poly(A) limiting element. <i>Rna</i> , 2001, 7, 1034-1042.	1.6	8
69	The cytoskeleton-associated Ena/VASP proteins are unanticipated partners of the PMR1 mRNA endonuclease. <i>Rna</i> , 2009, 15, 576-587.	1.6	8
70	The poly(A)-limiting element enhances mRNA accumulation by increasing the efficiency of pre-mRNA 3' processing. <i>Rna</i> , 2005, 11, 958-965.	1.6	7
71	Chapter 13 Approaches for Studying PMR1 Endonuclease-mediated mRNA Decay. <i>Methods in Enzymology</i> , 2008, 448, 241-263.	0.4	7
72	Identification of the human PMR1 mRNA endonuclease as an alternatively processed product of the gene for peroxidase-like protein. <i>Rna</i> , 2012, 18, 1186-1196.	1.6	7

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73	RNA-binding proteins and heat-shock protein 90 are constituents of the cytoplasmic capping enzyme interactome. <i>Journal of Biological Chemistry</i> , 2018, 293, 16596-16607.	1.6	7
74	A Simple Modification of the Estrogen Receptor Exchange Assay: Validation in Nuclei from the Rat Uterus and a Mouse Mammary Tumor*. <i>Endocrinology</i> , 1980, 106, 56-60.	1.4	6
75	Cytoplasmic mRNA recapping has limited impact on proteome complexity. <i>Open Biology</i> , 2020, 10, 200313.	1.5	5
76	The <i>Xenopus laevis</i> homologue of the 64-kDa subunit of cleavage stimulation factor. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1996, 114, 313-315.	0.7	4
77	Polysomal Ribonuclease 1. <i>Methods in Enzymology</i> , 2001, 342, 28-44.	0.4	4
78	Loss of fragile histidine triad (Fhit) protein expression alters the translation of cancer-associated mRNAs. <i>BMC Research Notes</i> , 2018, 11, 178.	0.6	4
79	Analyzing (Re)Capping of mRNA Using Transcript Specific 5' End Sequencing. <i>Bio-protocol</i> , 2020, 10, e3791.	0.2	4
80	S-Adenosyl-L-Homocysteine Hydrolase from <i>Xenopus laevis</i> - Identification, Developmental Expression, and Evolution. <i>Biochemical and Biophysical Research Communications</i> , 1994, 205, 1539-1546.	1.0	3
81	Application of Ligation-Mediated Reverse Transcription Polymerase Chain Reaction to the Identification of In Vivo Endonuclease-Generated Messenger RNA Decay Intermediates. , 2004, 257, 213-222.		3
82	RNA Cap Methyltransferase Activity Assay. <i>Bio-protocol</i> , 2018, 8, .	0.2	3
83	Application of the Invader® RNA Assay to the Polarity of Vertebrate mRNA Decay. <i>Methods in Molecular Biology</i> , 2008, 419, 259-276.	0.4	3
84	Interference with the screening of genomic libraries by rearrangements of λ 1059. <i>Gene Analysis Techniques</i> , 1984, 1, 8-12.	1.1	1
85	Identification and characterization of a cDNA encoding ribosomal protein S12 from <i>Xenopus laevis</i> . <i>Gene</i> , 1994, 150, 331-333.	1.0	1
86	Cytoplasmic mRNA Recapping: An Unexpected Form of RNA Repair. , 2021, , 109-130.		1
87	Correction: A role for the eIF4E-binding protein 4E-T in P-body formation and mRNA decay. <i>Journal of Cell Biology</i> , 2005, 171, 175-175.	2.3	0
88	Quantitative Analysis of Deadenylation-Independent mRNA Decay by a Modified MBRACE Assay. <i>Methods in Molecular Biology</i> , 2014, 1125, 353-371.	0.4	0