Daniel R Schoenberg

List of Publications by Year
in descending order

88 papers	4,440 citations	117625 34 h-index	106344 65 g-index
92 all docs	92 docs citations	92 times ranked	5618 citing authors

#	Article	IF	Citations
1	Common SNP in pre-miR-146a decreases mature miR expression and predisposes to papillary thyroid carcinoma. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7269-7274.	7.1	792
2	Regulation of cytoplasmic mRNA decay. Nature Reviews Genetics, 2012, 13, 246-259.	16.3	542
3	Mycobacterium tuberculosislipomannan blocks TNF biosynthesis by regulating macrophage MAPK-activated protein kinase 2 (MK2) and microRNA miR-125b. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17408-17413.	7.1	255
4	A role for the eIF4E-binding protein 4E-T in P-body formation and mRNA decay. Journal of Cell Biology, 2005, 170, 913-924.	5.2	210
5	RNA helicase A is necessary for translation of selected messenger RNAs. Nature Structural and Molecular Biology, 2006, 13, 509-516.	8.2	184
6	Translation from a DMD exon 5 IRES results in a functional dystrophin isoform that attenuates dystrophinopathy in humans and mice. Nature Medicine, 2014, 20, 992-1000.	30.7	113
7	Identification of a Cytoplasmic Complex That Adds a Cap onto 5â€²-Monophosphate RNA. Molecular and Cellular Biology, 2009, 29, 2155-2167.	2.3	103
8	Re-capping the message. Trends in Biochemical Sciences, 2009, 34, 435-442.	7.5	87
9	Vigilin binding selectively inhibits cleavage of the vitellogenin mRNA 3'-untranslated region by the mRNA endonuclease polysomal ribonuclease 1. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 12498-12502.	7.1	74
10	Identification of Cytoplasmic Capping Targets Reveals a Role for Cap Homeostasis in Translation and mRNA Stability. Cell Reports, 2012, 2, 674-684.	6.4	71
11	Purification and Characterization of an Estrogen-regulated Xenopus Liver Polysomal Nuclease Involved in the Selective Destabilization of Albumin mRNA. Journal of Biological Chemistry, 1995, 270, 6108-6118.	3.4	62
12	Mechanisms of endonucleaseâ€mediated mRNA decay. Wiley Interdisciplinary Reviews RNA, 2011, 2, 582-600.	6.4	62
13	New Ways of Initiating Translation in Eukaryotes?. Molecular and Cellular Biology, 2001, 21, 8238-8246.	2.3	60
14	Estrogen-induced ribonuclease activity in Xenopus liver. Biochemistry, 1991, 30, 10490-10498.	2.5	59
15	Amphibian albumins as members of the albumin, alpha-fetoprotein, vitamin D-binding protein multigene family. Journal of Molecular Evolution, 1989, 29, 344-354.	1.8	55
16	Identification of a novel member of the pentrax in family in Xenopus laevis. Proceedings of the Royal Society B: Biological Sciences, 1993, 253, 263-270.	2.6	54
17	Â-Globin mRNA decay in erythroid cells: UG site-preferred endonucleolytic cleavage that is augmented by a premature termination codon. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12741-12746.	7.1	53
18	A+U-Rich Instability Elements Differentially Activate 5â€²-3â€² and 3â€²-5â€² mRNA Decay. Molecular and Cellular Biology, 2007, 27, 2791-2799.	2.3	53

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19	Identification of a novel noncoding RNA gene,NAMA, that is downregulated in papillary thyroid carcinoma withBRAFmutation and associated with growth arrest. International Journal of Cancer, 2007, 121, 767-775.	5.1	53
20	A recap of RNA recapping. Wiley Interdisciplinary Reviews RNA, 2019, 10, e1504.	6.4	52
21	RNA guanine-7 methyltransferase catalyzes the methylation of cytoplasmically recapped RNAs. Nucleic Acids Research, 2017, 45, 10726-10739.	14.5	49
22	Coordinate Estrogen-Regulated Instability of Serum Protein-Coding Messenger RNAs inXenopus laevis. Molecular Endocrinology, 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. Rna, 1998, 4, 1537-1548.	3.5	47
24	Extranuclear Estrogen-Regulated Destabilization ofXenopus laevisSerum Albumin mRNA. Molecular Endocrinology, 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. Methods in Enzymology, 2008, 448, 483-504.	1.0	45
26	XenopuslaevisSerum 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*. Molecular Endocrinology, 1989, 3, 464-473.	3.7	44
27	Transcriptional and post-transcriptional inhibition of albumin gene expression by estrogen in Xenopus liver. Molecular and Cellular Endocrinology, 1986, 44, 201-209.	3.2	39
28	The nucleotide sequence ofXenopus laevistransferrin mRNA. Nucleic Acids Research, 1990, 18, 6135-6135.	14.5	36
29	Endonuclease-Mediated mRNA Decay Involves the Selective Targeting of PMR1 to Polyribosome-Bound Substrate mRNA. Molecular Cell, 2004, 14, 435-445.	9.7	36
30	Cleavage properties of an estrogen-regulated polysomal ribonuclease involved in the destabilization of albumin mRNA. Nucleic Acids Research, 1997, 25, 735-742.	14.5	35
31	The poly(A)-limiting element is a conserved cis-acting sequence that regulates poly(A) tail length on nuclear pre-mRNAs. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 8943-8948.	7.1	35
32	Polysome-Bound Endonuclease PMR1 Is Targeted to Stress Granules via Stress-Specific Binding to TIA-1. Molecular and Cellular Biology, 2006, 26, 8803-8813.	2.3	35
33	RNA processing defects associated with diseases of the motor neuron. Muscle and Nerve, 2010, 41, 5-17.	2.2	35
34	The Cytoplasmic Capping Complex Assembles on Adapter Protein Nck1 Bound to the Proline-Rich C-Terminus of Mammalian Capping Enzyme. PLoS Biology, 2014, 12, e1001933.	5.6	35
35	Microsomal Triglyceride Transfer Protein Promotes the Secretion of Xenopus laevis Vitellogenin A1. Journal of Biological Chemistry, 2005, 280, 13902-13905.	3.4	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. Rna, 2005, 11, 1131-1140.	3.5	31

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37	An endonuclease activity similar to Xenopus PMR1 catalyzes the degradation of normal and nonsense-containing human Â-globin mRNA in erythroid cells. Rna, 2003, 9, 1157-1167.	3.5	29
38	Polysomal ribonuclease 1 exists in a latent form on polysomes prior to estrogen activation of mRNA decay. Nucleic Acids Research, 2001, 29, 1156-1162.	14.5	28
39	Sequence ofXenopus LaevisFerritin mRNA. Nucleic Acids Research, 1990, 18, 2184-2184.	14.5	25
40	KSRP-PMR1-exosome association determines parathyroid hormone mRNA levels and stability in transfected cells. BMC Cell Biology, 2009, 10, 70.	3.0	25
41	Estrogen regulation of Xenopus laevis .gamma.-fibrinogen gene expression. Biochemistry, 1990, 29, 2599-2605.	2.5	24
42	Identification of two cis-acting elements that independently regulate the length of poly(A) on Xenopus albumin pre-mRNA. Rna, 1998, 4, 766-776.	3.5	24
43	The end defines the means in bacterial mRNA decay. Nature Chemical Biology, 2007, 3, 535-536.	8.0	24
44	Cap homeostasis is independent of poly(A) tail length. Nucleic Acids Research, 2016, 44, 304-314.	14.5	24
45	Posttranscriptional Regulation of Albumin Gene Expression inXenopusLiver: Evidence for an Estrogen Receptor-Dependent Mechanism*. Molecular Endocrinology, 1987, 1, 160-167.	3.7	23
46	The Nuclease That Selectively Degrades Albumin mRNA in Vitro Associates with Xenopus Liver Polysomes through the 80S Ribosome Complex. Archives of Biochemistry and Biophysics, 1993, 305, 313-319.	3.0	22
47	Characterization of mRNA Endonucleases. Methods, 1999, 17, 60-73.	3.8	22
48	Identification of in Vivo mRNA Decay Intermediates Corresponding to Sites of in Vitro Cleavage by Polysomal Ribonuclease 1. Journal of Biological Chemistry, 2001, 276, 12331-12337.	3.4	22
49	Endonuclease-mediated mRNA Decay Requires Tyrosine Phosphorylation of Polysomal Ribonuclease 1 (PMR1) for the Targeting and Degradation of Polyribosome-bound Substrate mRNA. Journal of Biological Chemistry, 2004, 279, 48993-49002.	3.4	22
50	Uncapped 5â€² ends of mRNAs targeted by cytoplasmic capping map to the vicinity of downstream CAGE tags. FEBS Letters, 2015, 589, 279-284.	2.8	22
51	Impact of FHIT loss on the translation of cancer-associated mRNAs. Molecular Cancer, 2017, 16, 179.	19.2	20
52	Nuclear association states of rat uterine oestrogen receptors as probed by nuclease digestion. Biochemical Journal, 1981, 196, 423-432.	3.1	19
53	Regulated nuclear polyadenylation of Xenopus albumin pre-mRNA. Nucleic Acids Research, 1996, 24, 4078-4083.	14.5	19
54	c-Src Activates Endonuclease-Mediated mRNA Decay. Molecular Cell, 2007, 25, 779-787.	9.7	19

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55	In Vivo and In Vitro Analysis of Poly(A) Length Effects on mRNA Translation. Methods in Molecular Biology, 2008, 419, 215-230.	0.9	19
56	Differential Induction of Hepatic Estrogen Receptor and Vitellogenin Gene Transcription inXenopus laevis*. Endocrinology, 1987, 120, 1283-1290.	2.8	17
57	SMG6 Cleavage Generates Metastable Decay Intermediates from Nonsense-Containing Î²-Globin mRNA. PLoS ONE, 2013, 8, e74791.	2.5	16
58	Albumin is encoded by 2 messenger RNAs in Xenopus laevis. Nucleic Acids Research, 1981, 9, 6669-6688.	14.5	14
59	Halocarbon hepatotoxicity is not initiated by Ca2+-stimulated endonuclease activation. Toxicology and Applied Pharmacology, 1989, 97, 350-359.	2.8	14
60	Differential regulation and polyadenylation of transferrin mRNA in Xenopus liver and oviduct. Journal of Steroid Biochemistry and Molecular Biology, 1992, 42, 649-657.	2.5	12
61	U2AF modulates poly(A) length control by the poly(A)-limiting element. Nucleic Acids Research, 2003, 31, 6264-6271.	14.5	12
62	The human PMR1 endonuclease stimulates cell motility by down regulating miR-200 family microRNAs. Nucleic Acids Research, 2016, 44, 5811-5819.	14.5	12
63	The estrogen-regulated destabilization of Xenopus albumin mRNA is independent of translation. Biochemical and Biophysical Research Communications, 1991, 174, 825-830.	2.1	11
64	The 90-kDa Heat Shock Protein Stabilizes the Polysomal Ribonuclease 1 mRNA Endonuclease to Degradation by the 26S Proteasome. Molecular Biology of the Cell, 2008, 19, 546-552.	2.1	11
65	Inhibition of cytoplasmic cap methylation identifies 5â€² TOP mRNAs as recapping targets and reveals recapping sites downstream of native 5â€² ends. Nucleic Acids Research, 2020, 48, 3806-3815.	14.5	11
66	Effects of antiestrogens on the induction of vitellogenin and its mRNA in Xenopus laevis. The Journal of Steroid Biochemistry, 1986, 24, 1141-1149.	1.1	10
67	Identification of Fhit as a post-transcriptional effector of Thymidine Kinase 1 expression. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2017, 1860, 374-382.	1.9	10
68	Position and sequence requirements for poly(A) length regulation by the poly(A) limiting element. Rna, 2001, 7, 1034-1042.	3.5	8
69	The cytoskeleton-associated Ena/VASP proteins are unanticipated partners of the PMR1 mRNA endonuclease. Rna, 2009, 15, 576-587.	3.5	8
70	The poly(A)-limiting element enhances mRNA accumulation by increasing the efficiency of pre-mRNA 3' processing. Rna, 2005, 11, 958-965.	3.5	7
71	Chapter 13 Approaches for Studying PMR1 Endonucleaseâ€“mediated mRNA Decay. Methods in Enzymology, 2008, 448, 241-263.	1.0	7
72	Identification of the human PMR1 mRNA endonuclease as an alternatively processed product of the gene for peroxidasin-like protein. Rna, 2012, 18, 1186-1196.	3.5	7

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73	RNA-binding proteins and heat-shock protein 90 are constituents of the cytoplasmic capping enzyme interactome. Journal of Biological Chemistry, 2018, 293, 16596-16607.	3.4	7
74	A Simple Modification of the Estrogen Receptor Exchange Assay: Validation in Nuclei from the Rat Uterus and a Mouse Mammary Tumor*. Endocrinology, 1980, 106, 56-60.	2.8	6
75	Cytoplasmic mRNA recapping has limited impact on proteome complexity. Open Biology, 2020, 10, 200313.	3.6	5
76	The Xenopus laevis homologue of the 64-kDa subunit of cleavage stimulation factor. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1996, 114, 313-315.	1.6	4
77	Polysomal Ribonuclease 1. Methods in Enzymology, 2001, 342, 28-44.	1.0	4
78	Loss of fragile histidine triad (Fhit) protein expression alters the translation of cancer-associated mRNAs. BMC Research Notes, 2018, 11, 178.	1.4	4
79	Analyzing (Re)Capping of mRNA Using Transcript Specific 5' End Sequencing. Bio-protocol, 2020, 10, e3791.	0.4	4
80	S-Adenosyl-L-Homocysteine Hydrolase from Xenopus laevis - Identification, Developmental Expression, and Evolution. Biochemical and Biophysical Research Communications, 1994, 205, 1539-1546.	2.1	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. Bio-protocol, 2018, 8, .	0.4	3
83	Application of the InvaderÂ® RNA Assay to the Polarity of Vertebrate mRNA Decay. Methods in Molecular Biology, 2008, 419, 259-276.	0.9	3
84	Interference with the screening of genomic libraries by rearrangements of Î»1059. Gene Analysis Techniques, 1984, 1, 8-12.	1.0	1
85	Identification and characterization of a cDNA encoding ribosomal protein S12 from Xenopus laevis. Gene, 1994, 150, 331-333.	2.2	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. Journal of Cell Biology, 2005, 171, 175-175.	5.2	0
88	Quantitative Analysis of Deadenylation-Independent mRNA Decay by a Modified MBRACE Assay. Methods in Molecular Biology, 2014, 1125, 353-371.	0.9	0