Jeffrey Wilusz

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1693928/publications.pdf

Version: 2024-02-01

57 papers	3,144 citations	201385 27 h-index	161609 54 g-index
58 all docs	58 docs citations	58 times ranked	3220 citing authors

#	Article	IF	Citations
1	The mammalian exosome mediates the efficient degradation of mRNAs that contain AU-rich elements. EMBO Journal, 2002, 21, 165-174.	3.5	326
2	The Structural Basis of Pathogenic Subgenomic Flavivirus RNA (sfRNA) Production. Science, 2014, 344, 307-310.	6.0	223
3	A 64 kd nuclear protein binds to RNA segments that include the AAUAAA polyadenylation motif. Cell, 1988, 52, 221-228.	13.5	188
4	A noncoding RNA produced by arthropod-borne flaviviruses inhibits the cellular exoribonuclease XRN1 and alters host mRNA stability. Rna, 2012, 18, 2029-2040.	1.6	177
5	Interaction between a Poly(A)-Specific Ribonuclease and the 5â€² Cap Influences mRNA Deadenylation Rates In Vitro. Molecular Cell, 2000, 5, 479-488.	4.5	167
6	RNA structures that resist degradation by Xrn1 produce a pathogenic Dengue virus RNA. ELife, 2014, 3, e01892.	2.8	165
7	CUG-BP binds to RNA substrates and recruits PARN deadenylase. Rna, 2006, 12, 1084-1091.	1.6	159
8	Noncoding Subgenomic Flavivirus RNA: Multiple Functions in West Nile Virus Pathogenesis and Modulation of Host Responses. Viruses, 2014, 6, 404-427.	1.5	148
9	Flavivirus sfRNA suppresses antiviral RNA interference in cultured cells and mosquitoes and directly interacts with the RNAi machinery. Virology, 2015, 485, 322-329.	1.1	129
10	Determinants and implications of mRNA poly(A) tail size â€“ Does this protein make my tail look big?. Seminars in Cell and Developmental Biology, 2014, 34, 24-32.	2.3	109
11	Sindbis Virus Usurps the Cellular HuR Protein to Stabilize Its Transcripts and Promote Productive Infections in Mammalian and Mosquito Cells. Cell Host and Microbe, 2010, 8, 196-207.	5.1	93
12	The 5â€² and 3â€² ends of alphavirus RNAs â€“ Non-coding is not non-functional. Virus Research, 2015, 206, 99-107.	1.1	70
13	The 3â€² Untranslated Region of Sindbis Virus Represses Deadenylation of Viral Transcripts in Mosquito and Mammalian Cells. Journal of Virology, 2008, 82, 880-892.	1.5	67
14	XRN1 Stalling in the 5â€™ UTR of Hepatitis C Virus and Bovine Viral Diarrhea Virus Is Associated with Dysregulated Host mRNA Stability. PLoS Pathogens, 2015, 11, e1004708.	2.1	67
15	Changes in Cellular mRNA Stability, Splicing, and Polyadenylation through HuR Protein Sequestration by a Cytoplasmic RNA Virus. Cell Reports, 2013, 5, 909-917.	2.9	65
16	Anin VitroSystem Using HeLa Cytoplasmic Extracts That Reproduces Regulated mRNA Stability. Methods, 1999, 17, 21-27.	1.9	60
17	Metabolic labeling and recovery of nascent RNA to accurately quantify mRNA stability. Methods, 2017, 120, 39-48.	1.9	58
18	Picornavirus Modification of a Host mRNA Decay Protein. MBio, 2012, 3, e00431-12.	1.8	56

#	Article	IF	Citations
19	The Interplay between the RNA Decay and Translation Machinery in Eukaryotes. Cold Spring Harbor Perspectives in Biology, 2018, 10, a032839.	2.3	53
20	Zika virus noncoding sfRNAs sequester multiple host-derived RNA-binding proteins and modulate mRNA decay and splicing during infection. Journal of Biological Chemistry, 2019, 294, 16282-16296.	1.6	53
21	Dephosphorylation of HuR Protein during Alphavirus Infection Is Associated with HuR Relocalization to the Cytoplasm*. Journal of Biological Chemistry, 2012, 287, 36229-36238.	1.6	50
22	The PARN Deadenylase Targets a Discrete Set of mRNAs for Decay and Regulates Cell Motility in Mouse Myoblasts. PLoS Genetics, 2012, 8, e1002901.	1.5	47
23	Cytoplasmic Viruses: Rage against the (Cellular RNA Decay) Machine. PLoS Pathogens, 2013, 9, e1003762.	2.1	46
24	RNA recognition by 3â€²-to-5â€² exonucleases: The substrate perspective. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2008, 1779, 256-265.	0.9	43
25	Strategies for viral RNA stability: live long and prosper. Trends in Genetics, 2011, 27, 286-293.	2.9	41
26	Global analysis reveals multiple pathways for unique regulation of mRNA decay in induced pluripotent stem cells. Genome Research, 2012, 22, 1457-1467.	2.4	41
27	Nucleophosmin is selectively deposited on mRNA during polyadenylation. Nature Structural and Molecular Biology, 2006, 13, 429-435.	3.6	32
28	RNA regulatory processes in RNA virus biology. Wiley Interdisciplinary Reviews RNA, 2019, 10, e1536.	3.2	31
29	Nucleophosmin deposition during mRNA 3â€² end processing influences poly(A) tail length. EMBO Journal, 2011, 30, 3994-4005.	3.5	30
30	YTHDF2 destabilizes m⁶A-modified neural-specific RNAs to restrain differentiation in induced pluripotent stem cells. Rna, 2020, 26, 739-755.	1.6	30
31	Standing your ground to exoribonucleases: Function of Flavivirus long non-coding RNAs. Virus Research, 2016, 212, 70-77.	1.1	29
32	Identification of phlebovirus and arenavirus RNA sequences that stall and repress the exoribonuclease XRN1. Journal of Biological Chemistry, 2018, 293, 285-295.	1.6	28
33	Inhibition and avoidance of mRNA degradation by RNA viruses. Current Opinion in Microbiology, 2012, 15, 500-505.	2.3	27
34	Beet Necrotic Yellow Vein Virus Noncoding RNA Production Depends on a 5â€²â†'3â€² Xrn Exoribonuclease Activity. Viruses, 2018, 10, 137.	1.5	26
35	Messenger RNA Decay in Mammalian Cells: The Exonuclease Perspective. Cell Biochemistry and Biophysics, 2004, 41, 265-278.	0.9	25
36	A cell-free mRNA stability assay reveals conservation of the enzymes and mechanisms of mRNA decay between mosquito and mammalian cell lines. Insect Biochemistry and Molecular Biology, 2005, 35, 1321-1334.	1.2	24

#	Article	IF	Citations
37	The interface between coronaviruses and host cell <scp>RNA</scp> biology: Novel potential insights for future therapeutic intervention. Wiley Interdisciplinary Reviews RNA, 2020, 11, e1614.	3.2	22
38	The 3â€² Untranslated Region of the Rabies Virus Glycoprotein mRNA Specifically Interacts with Cellular PCBP2 Protein and Promotes Transcript Stability. PLoS ONE, 2012, 7, e33561.	1.1	21
39	Sponging of cellular proteins by viral RNAs. Current Opinion in Virology, 2014, 9, 14-18.	2.6	16
40	Chapter 8 The Preparation and Applications of Cytoplasmic Extracts from Mammalian Cells for Studying Aspects of mRNA Decay. Methods in Enzymology, 2008, 448, 139-163.	0.4	15
41	Putting an â€˜Endâ€™ to HIV mRNAs: capping and polyadenylation as potential therapeutic targets. AIDS Research and Therapy, 2013, 10, 31.	0.7	15
42	Circular RNA and Splicing: Skip Happens. Journal of Molecular Biology, 2015, 427, 2411-2413.	2.0	15
43	RNA stability: is it the endo' the world as we know it?. Nature Structural and Molecular Biology, 2009, 16, 9-10.	3.6	11
44	The CELF1 RNA-Binding Protein Regulates Decay of Signal Recognition Particle mRNAs and Limits Secretion in Mouse Myoblasts. PLoS ONE, 2017, 12, e0170680.	1.1	9
45	Inhibiting avian influenza virus shedding using a novel RNAi antiviral vector technology: proof of concept in an avian cell model. AMB Express, 2016, 6, 16.	1.4	6
46	Mind the Gapmer: Implications of Co-transcriptional Cleavage by Antisense Oligonucleotides. Molecular Cell, 2020, 77, 932-933.	4.5	5
47	Nonsense-mediated RNA decay: at the â€˜cutting edgeâ€™ of regulated snoRNA production: Figure 1.. Genes and Development, 2014, 28, 2447-2449.	2.7	4
48	Trick or TREAT: A Scary-Good New Approach for Single-Molecule mRNA Decay Analysis. Molecular Cell, 2017, 68, 476-477.	4.5	4
49	Sequences encoding C2H2 zinc fingers inhibit polyadenylation and mRNA export in human cells. Scientific Reports, 2018, 8, 16995.	1.6	4
50	Development of an In Vitro mRNA Decay System in Insect Cells. Methods in Molecular Biology, 2008, 419, 277-288.	0.4	4
51	Engineered viral RNA decay intermediates to assess XRN1-mediated decay. Methods, 2019, 155, 116-123.	1.9	3
52	Aedes aegypti miRNA-33 modulates permethrin induced toxicity by regulating VGSC transcripts. Scientific Reports, 2021, 11, 7301.	1.6	3
53	Stem Cell RNA Epigenetics: M6Arking Your Territory. Cell Stem Cell, 2014, 15, 669-670.	5.2	1
54	CUG-BP and 3'UTR sequences influence PARN-mediated deadenylation in mammalian cell extracts. Genetics and Molecular Biology, 2007, 30, 646-655.	0.6	1

#	Article	IF	Citations
55	A plant-infecting subviral RNA associated with poleroviruses produces a subgenomic RNA which resists exonuclease XRN1 in vitro. Virology, 2022, 566, 1-8.	1.1	1
56	Do You Believe in ReincaRNAtion? Herpesviruses Reveal Connection between RNA Decay and Synthesis. Cell Host and Microbe, 2015, 18, 144-146.	5.1	0
57	Microbes and RNA - Not Something to Sneeze At. Wiley Interdisciplinary Reviews RNA, 2017, 8, e1439.	3.2	0