

Torben Heick Jensen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99
papers

7,750
citations

38
h-index

88
g-index

106
ext. papers

9,381
ext. citations

14.2
avg, IF

6.01
L-index

#	Paper	IF	Citations
99	An atlas of active enhancers across human cell types and tissues. <i>Nature</i> , 2014 , 507, 455-461	50.4	1595
98	RNA exosome depletion reveals transcription upstream of active human promoters. <i>Science</i> , 2008 , 322, 1851-4	33.3	584
97	Nonsense-mediated mRNA decay: an intricate machinery that shapes transcriptomes. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 665-77	48.7	448
96	Quality control of mRNA 3'end processing is linked to the nuclear exosome. <i>Nature</i> , 2001 , 413, 538-42	50.4	295
95	Interaction profiling identifies the human nuclear exosome targeting complex. <i>Molecular Cell</i> , 2011 , 43, 624-37	17.6	275
94	Interactions between mRNA export commitment, 3'end quality control, and nuclear degradation. <i>Molecular and Cellular Biology</i> , 2002 , 22, 8254-66	4.8	215
93	Polyadenylation site-induced decay of upstream transcripts enforces promoter directionality. <i>Nature Structural and Molecular Biology</i> , 2013 , 20, 923-8	17.6	207
92	The exosome: a multipurpose RNA-decay machine. <i>Trends in Biochemical Sciences</i> , 2008 , 33, 501-10	10.3	201
91	Dealing with pervasive transcription. <i>Molecular Cell</i> , 2013 , 52, 473-84	17.6	199
90	The human core exosome interacts with differentially localized processive RNases: hDIS3 and hDIS3L. <i>EMBO Journal</i> , 2010 , 29, 2342-57	13	189
89	RNA decay machines: the exosome. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013 , 1829, 552-60	6	165
88	A block to mRNA nuclear export in <i>S. cerevisiae</i> leads to hyperadenylation of transcripts that accumulate at the site of transcription. <i>Molecular Cell</i> , 2001 , 7, 887-98	17.6	161
87	The human cap-binding complex is functionally connected to the nuclear RNA exosome. <i>Nature Structural and Molecular Biology</i> , 2013 , 20, 1367-76	17.6	157
86	The DECD box putative ATPase Sub2p is an early mRNA export factor. <i>Current Biology</i> , 2001 , 11, 1711-5	6.3	134
85	Identification of a Nuclear Exosome Decay Pathway for Processed Transcripts. <i>Molecular Cell</i> , 2016 , 64, 520-533	17.6	133
84	A 5Tsplice site enhances the recruitment of basal transcription initiation factors in vivo. <i>Molecular Cell</i> , 2008 , 29, 271-8	17.6	130
83	PROMoter uPstream Transcripts share characteristics with mRNAs and are produced upstream of all three major types of mammalian promoters. <i>Nucleic Acids Research</i> , 2011 , 39, 7179-93	20.1	121

82	Human nonsense-mediated RNA decay initiates widely by endonucleolysis and targets snoRNA host genes. <i>Genes and Development</i> , 2014 , 28, 2498-517	12.6	119
81	Nuclear stability and transcriptional directionality separate functionally distinct RNA species. <i>Nature Communications</i> , 2014 , 5, 5336	17.4	116
80	The human nuclear exosome targeting complex is loaded onto newly synthesized RNA to direct early ribonucleolysis. <i>Cell Reports</i> , 2015 , 10, 178-92	10.6	116
79	Exonuclease hDIS3L2 specifies an exosome-independent 3'5'Tdegradation pathway of human cytoplasmic mRNA. <i>EMBO Journal</i> , 2013 , 32, 1855-68	13	113
78	Dissecting mechanisms of nuclear mRNA surveillance in THO/sub2 complex mutants. <i>EMBO Journal</i> , 2007 , 26, 2317-26	13	108
77	Nuclear mRNA surveillance in THO/sub2 mutants is triggered by inefficient polyadenylation. <i>Molecular Cell</i> , 2008 , 31, 91-103	17.6	107
76	CBC-ARS2 stimulates 3'end maturation of multiple RNA families and favors cap-proximal processing. <i>Nature Structural and Molecular Biology</i> , 2013 , 20, 1358-66	17.6	102
75	Early formation of mRNP: license for export or quality control?. <i>Molecular Cell</i> , 2003 , 11, 1129-38	17.6	101
74	Dramatically improved RNA in situ hybridization signals using LNA-modified probes. <i>Rna</i> , 2005 , 11, 1745-58	9.8	98
73	Biogenic mechanisms and utilization of small RNAs derived from human protein-coding genes. <i>Nature Structural and Molecular Biology</i> , 2011 , 18, 1075-82	17.6	83
72	Controlling nuclear RNA levels. <i>Nature Reviews Genetics</i> , 2018 , 19, 518-529	30.1	67
71	Rrp6p controls mRNA poly(A) tail length and its decoration with poly(A) binding proteins. <i>Molecular Cell</i> , 2012 , 47, 267-80	17.6	64
70	The yeast 5'3' exonuclease Rat1p functions during transcription elongation by RNA polymerase II. <i>Molecular Cell</i> , 2010 , 37, 580-7	17.6	56
69	Assembly of an export-competent mRNP is needed for efficient release of the 3'end processing complex after polyadenylation. <i>Molecular and Cellular Biology</i> , 2009 , 29, 5327-38	4.8	56
68	Modulation of transcription affects mRNP quality. <i>Molecular Cell</i> , 2004 , 16, 235-44	17.6	56
67	Rapid, optimized interactomic screening. <i>Nature Methods</i> , 2015 , 12, 553-60	21.6	53
66	Principles for RNA metabolism and alternative transcription initiation within closely spaced promoters. <i>Nature Genetics</i> , 2016 , 48, 984-94	36.3	53
65	Mutually Exclusive CBC-Containing Complexes Contribute to RNA Fate. <i>Cell Reports</i> , 2017 , 18, 2635-2650	10.6	45

64	Exonucleolysis is required for nuclear mRNA quality control in yeast THO mutants. <i>Rna</i> , 2008 , 14, 2305-138	13.8	44
63	Human Gene Promoters Are Intrinsically Bidirectional. <i>Molecular Cell</i> , 2015 , 60, 346-7	17.6	42
62	ARS2 is a general suppressor of pervasive transcription. <i>Nucleic Acids Research</i> , 2017 , 45, 10229-10241	20.1	39
61	mRNP quality control goes regulatory. <i>Trends in Genetics</i> , 2012 , 28, 70-7	8.5	38
60	Box C/D snoRNP Autoregulation by a cis-Acting snoRNA in the NOP56 Pre-mRNA. <i>Molecular Cell</i> , 2018 , 72, 99-111.e5	17.6	37
59	The RNA Exosome Adaptor ZFC3H1 Functionally Competes with Nuclear Export Activity to Retain Target Transcripts. <i>Cell Reports</i> , 2018 , 23, 2199-2210	10.6	37
58	Diminished nuclear RNA decay upon infection upregulates antibacterial noncoding RNAs. <i>EMBO Journal</i> , 2018 , 37,	13	36
57	Improved methodology for the affinity isolation of human protein complexes expressed at near endogenous levels. <i>BioTechniques</i> , 2012 , 1-6	2.5	36
56	A conserved virus-induced cytoplasmic TRAMP-like complex recruits the exosome to target viral RNA for degradation. <i>Genes and Development</i> , 2016 , 30, 1658-70	12.6	35
55	The Nuclear PolyA-Binding Protein Nab2p Is Essential for mRNA Production. <i>Cell Reports</i> , 2015 , 12, 128-139	13.6	33
54	The RNA exosome component hRrp6 is a target for 5-fluorouracil in human cells. <i>Molecular Cancer Research</i> , 2008 , 6, 990-5	6.6	33
53	Identification of novel <i>Saccharomyces cerevisiae</i> proteins with nuclear export activity: cell cycle-regulated transcription factor ace2p shows cell cycle-independent nucleocytoplasmic shuttling. <i>Molecular and Cellular Biology</i> , 2000 , 20, 8047-58	4.8	33
52	Transcription-associated quality control of mRNP. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013 , 1829, 158-68	6	32
51	Transcription start site analysis reveals widespread divergent transcription in <i>D. melanogaster</i> and core promoter-encoded enhancer activities. <i>Nucleic Acids Research</i> , 2018 , 46, 5455-5469	20.1	27
50	Promoter-proximal polyadenylation sites reduce transcription activity. <i>Genes and Development</i> , 2012 , 26, 2169-79	12.6	27
49	The RNA exosome contributes to gene expression regulation during stem cell differentiation. <i>Nucleic Acids Research</i> , 2018 , 46, 11502-11513	20.1	27
48	Nuclear retention prevents premature cytoplasmic appearance of mRNA. <i>Molecular Cell</i> , 2012 , 48, 145-52	27.6	25
47	Structure of the RBM7-ZCCHC8 core of the NEXT complex reveals connections to splicing factors. <i>Nature Communications</i> , 2016 , 7, 13573	17.4	25

46	The multitasking polyA tail: nuclear RNA maturation, degradation and export. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018 , 373,	5.8	24
45	The Nuclear RNA Exosome and Its Cofactors. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1203, 113-132	3.6	23
44	Integrator is a genome-wide attenuator of non-productive transcription. <i>Molecular Cell</i> , 2021 , 81, 514-529.e6	29.6	22
43	Targeting the nuclear RNA exosome: Poly(A) binding proteins enter the stage. <i>RNA Biology</i> , 2017 , 14, 820-826	4.8	20
42	The long noncoding RNA is seemingly dispensable for normal tissue homeostasis and cancer cell growth. <i>Rna</i> , 2019 , 25, 1681-1695	5.8	20
41	A Nuclear Export Block Triggers the Decay of Newly Synthesized Polyadenylated RNA. <i>Cell Reports</i> , 2018 , 24, 2457-2467.e7	10.6	20
40	Characterizing ZC3H18, a Multi-domain Protein at the Interface of RNA Production and Destruction Decisions. <i>Cell Reports</i> , 2018 , 22, 44-58	10.6	19
39	A Two-Layered Targeting Mechanism Underlies Nuclear RNA Sorting by the Human Exosome. <i>Cell Reports</i> , 2020 , 30, 2387-2401.e5	10.6	18
38	The human ZC3H3 and RBM26/27 proteins are critical for PAXT-mediated nuclear RNA decay. <i>Nucleic Acids Research</i> , 2020 , 48, 2518-2530	20.1	18
37	Integrator restrains paraspeckles assembly by promoting isoform switching of the lncRNA. <i>Science Advances</i> , 2020 , 6, eaaz9072	14.3	17
36	A Functional Link between Nuclear RNA Decay and Transcriptional Control Mediated by the Polycomb Repressive Complex 2. <i>Cell Reports</i> , 2019 , 29, 1800-1811.e6	10.6	17
35	Escaping nuclear decay: the significance of mRNA export for gene expression. <i>Current Genetics</i> , 2019 , 65, 473-476	2.9	17
34	Characterising -regulatory variation in the transcriptome of histologically normal and tumour-derived pancreatic tissues. <i>Gut</i> , 2018 , 67, 521-533	19.2	16
33	The MTR4 helicase recruits nuclear adaptors of the human RNA exosome using distinct arch-interacting motifs. <i>Nature Communications</i> , 2019 , 10, 3393	17.4	16
32	Nuclear sorting of RNA. <i>Wiley Interdisciplinary Reviews RNA</i> , 2020 , 11, e1572	9.3	16
31	Reviving the exosome. <i>Cell</i> , 2005 , 121, 660-2	56.2	15
30	Relationships between PROMPT and gene expression. <i>RNA Biology</i> , 2016 , 13, 6-14	4.8	13
29	Polo-like kinase 2 modulates Eynuclein protein levels by regulating its mRNA production. <i>Neurobiology of Disease</i> , 2017 , 106, 49-62	7.5	12

28	nucleates a transcription inhibitory complex to balance neuronal differentiation. <i>ELife</i> , 2020 , 9,	8.9	12
27	Purification and analysis of endogenous human RNA exosome complexes. <i>Rna</i> , 2016 , 22, 1467-75	5.8	11
26	Rat1p maintains RNA polymerase II CTD phosphorylation balance. <i>Rna</i> , 2014 , 20, 551-8	5.8	11
25	Affinity proteomic dissection of the human nuclear cap-binding complex interactome. <i>Nucleic Acids Research</i> , 2020 , 48, 10456-10469	20.1	7
24	The germinal center reaction depends on RNA methylation and divergent functions of specific methyl readers. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	7
23	NCBP3 positively impacts mRNA biogenesis. <i>Nucleic Acids Research</i> , 2020 , 48, 10413-10427	20.1	6
22	Simultaneous Measurement of Transcriptional and Post-transcriptional Parameters by 3TEnd RNA-Seq. <i>Cell Reports</i> , 2018 , 24, 2468-2478.e4	10.6	6
21	The RNA exosome shapes the expression of key protein-coding genes. <i>Nucleic Acids Research</i> , 2020 , 48, 8509-8528	20.1	5
20	Mapping domains of ARS2 critical for its RNA decay capacity. <i>Nucleic Acids Research</i> , 2020 , 48, 6943-6953	20.1	4
19	Global view on the metabolism of RNA poly(A) tails in yeast <i>Saccharomyces cerevisiae</i> . <i>Nature Communications</i> , 2021 , 12, 4951	17.4	4
18	Biochemistry and Function of RNA Exosomes. <i>The Enzymes</i> , 2012 , 31, 1-30	2.3	3
17	Transcription start site analysis reveals widespread divergent transcription in <i>D. melanogaster</i> and core promoter-encoded enhancer activities		3
16	RNA exosome. Preface. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 702, v-vi	3.6	3
15	Chromatin modifier HUSH co-operates with RNA decay factor NEXT to restrict transposable element expression.. <i>Molecular Cell</i> , 2022 ,	17.6	3
14	Lariat capping as a tool to manipulate the 5Tend of individual yeast mRNA species in vivo. <i>Rna</i> , 2017 , 23, 683-695	5.8	2
13	Preparation of RNA 3Tend Sequencing Libraries of Total and 4-thiouracil Labeled RNA for Simultaneous Measurement of Transcription, RNA Synthesis and Decay in. <i>Bio-protocol</i> , 2019 , 9,	0.9	2
12	Monitoring Protein-RNA Interaction Dynamics in vivo at High Temporal Resolution using μ RAC. <i>Journal of Visualized Experiments</i> , 2020 ,	1.6	2
11	Integrator is a genome-wide attenuator of non-productive transcription		2

10	Identification of Novel <i>Saccharomyces cerevisiae</i> Proteins with Nuclear Export Activity: Cell Cycle-Regulated Transcription Factor Ace2p Shows Cell Cycle-Independent Nucleocytoplasmic Shuttling. <i>Molecular and Cellular Biology</i> , 2000 , 20, 8047-8058	4.8	2
9	Rapid factor depletion highlights intricacies of nucleoplasmic RNA degradation.. <i>Nucleic Acids Research</i> , 2022 ,	20.1	1
8	Principles for RNA metabolism and alternative transcription initiation within closely spaced promoters		1
7	3TEnd sequencing of pA and pA RNAs. <i>Methods in Enzymology</i> , 2021 , 655, 139-164	1.7	1
6	Three-layered control of mRNA poly(A) tail synthesis in. <i>Genes and Development</i> , 2021 , 35, 1290-1303	12.6	1
5	Nuclear Decay Factors Crack Up mRNA. <i>Molecular Cell</i> , 2017 , 65, 775-776	17.6	0
4	ARS2/SRRT: at the nexus of RNA polymerase II transcription, transcript maturation and quality control. <i>Biochemical Society Transactions</i> , 2021 , 49, 1325-1336	5.1	0
3	hnRNPH1-MTR4 complex-mediated regulation of stability is critical for expression. <i>RNA Biology</i> , 2021 , 1-11	4.8	0
2	SnapShot: nuclear RNAPII transcript modification. <i>Cell</i> , 2014 , 157, 1244; 1244.e1-2	56.2	
1	Global Identification of Human Exosome Substrates Using RNA Interference and RNA Sequencing. <i>Methods in Molecular Biology</i> , 2020 , 2062, 127-145	1.4	