David Tollervey

List of Publications by Year
in descending order

253 papers	30,901 citations	2802 94 h-index	5255 165 g-index
278 all docs	278 docs citations	278 times ranked	19676 citing authors

#	Article	IF	Citations
1	Coding-Sequence Determinants of Gene Expression in <i>Escherichia coli</i>. Science, 2009, 324, 255-258.	12.6	1,255
2	Mapping the Human miRNA Interactome by CLASH Reveals Frequent Noncanonical Binding. Cell, 2013, 153, 654-665.	28.9	1,164
3	The Many Pathways of RNA Degradation. Cell, 2009, 136, 763-776.	28.9	978
4	The Exosome: A Conserved Eukaryotic RNA Processing Complex Containing Multiple 3â€²â†’5â€² Exoribonucleases. Cell, 1997, 91, 457-466.	28.9	859
5	RNA Degradation by the Exosome Is Promoted by a Nuclear Polyadenylation Complex. Cell, 2005, 121, 713-724.	28.9	786
6	Ribosome Synthesis inSaccharomyces cerevisiae. Annual Review of Genetics, 1999, 33, 261-311.	7.6	704
7	RNA-quality control by the exosome. Nature Reviews Molecular Cell Biology, 2006, 7, 529-539.	37.0	570
8	Functions of the exosome in rRNA, snoRNA and snRNA synthesis. EMBO Journal, 1999, 18, 5399-5410.	7.8	529
9	Temperature-sensitive mutations demonstrate roles for yeast fibrillarin in pre-rRNA processing, pre-rRNA methylation, and ribosome assembly. Cell, 1993, 72, 443-457.	28.9	482
10	A new system for naming ribosomal proteins. Current Opinion in Structural Biology, 2014, 24, 165-169.	5.7	481
11	Making ribosomes. Current Opinion in Cell Biology, 2002, 14, 313-318.	5.4	455
12	Function and synthesis of small nucleolar RNAs. Current Opinion in Cell Biology, 1997, 9, 337-342.	5.4	432
13	90S Pre-Ribosomes Include the 35S Pre-rRNA, the U3 snoRNP, and 40S Subunit Processing Factors but Predominantly Lack 60S Synthesis Factors. Molecular Cell, 2002, 10, 105-115.	9.7	427
14	The yeast exosome and human PM-Scl are related complexes of 3' right-arrow 5' exonucleases. Genes and Development, 1999, 13, 2148-2158.	5.9	402
15	Loss of Topoisomerase I leads to R-loop-mediated transcriptional blocks during ribosomal RNA synthesis. Genes and Development, 2010, 24, 1546-1558.	5.9	358
16	Identification of a Regulated Pathway for Nuclear Pre-mRNA Turnover. Cell, 2000, 102, 765-775.	28.9	355
17	Identification of protein binding sites on U3 snoRNA and pre-rRNA by UV cross-linking and high-throughput analysis of cDNAs. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9613-9618.	7.1	322
18	The box H+ACA snoRNAs carry Cbf5p, the putative rRNA pseudouridine synthase. Genes and Development, 1998, 12, 527-537.	5.9	316

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19	60S pre-ribosome formation viewed from assembly in the nucleolus until export to the cytoplasm. EMBO Journal, 2002, 21, 5539-5547.	7.8	307
20	Dob1p (Mtr4p) is a putative ATP-dependent RNA helicase required for the 3' end formation of 5.8S rRNA in Saccharomyces cerevisiae. EMBO Journal, 1998, 17, 1128-1140.	7.8	289
21	Identification of a 60S Preribosomal Particle that Is Closely Linked to Nuclear Export. Molecular Cell, 2001, 8, 517-529.	9.7	289
22	Nuclear Export of 60S Ribosomal Subunits Depends on Xpo1p and Requires a Nuclear Export Sequence-Containing Factor, Nmd3p, That Associates with the Large Subunit Protein Rpl10p. Molecular and Cellular Biology, 2001, 21, 3405-3415.	2.3	283
23	Cross-linking, ligation, and sequencing of hybrids reveals RNAâ€“RNA interactions in yeast. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10010-10015.	7.1	270
24	The path from nucleolar 90S to cytoplasmic 40S pre-ribosomes. EMBO Journal, 2003, 22, 1370-1380.	7.8	264
25	A ncRNA Modulates Histone Modification and mRNA Induction in the Yeast GAL Gene Cluster. Molecular Cell, 2008, 32, 685-695.	9.7	262
26	mRNA stability in eukaryotes. Current Opinion in Genetics and Development, 2000, 10, 193-198.	3.3	259
27	Yeast Pre-rRNA Processing and Modification Occur Cotranscriptionally. Molecular Cell, 2010, 37, 809-820.	9.7	258
28	Nucleolar KKE/D Repeat Proteins Nop56P and Nop58P Interact with Nop1p and Are Required for Ribosome Biogenesis. Molecular and Cellular Biology, 1997, 17, 7088-7098.	2.3	251
29	Accurate Processing of a Eukaryotic Precursor Ribosomal RNA by Ribonuclease MRP in Vitro. Science, 1996, 272, 268-270.	12.6	246
30	E. coli 4.5S RNA is part of a ribonucleoprotein particle that has properties related to signal recognition particle. Cell, 1990, 63, 591-600.	28.9	233
31	Lithium toxicity in yeast is due to the inhibition of RNA processing enzymes. EMBO Journal, 1997, 16, 7184-7195.	7.8	233
32	Degradation of ribosomal RNA precursors by the exosome. Nucleic Acids Research, 2000, 28, 1684-1691.	14.5	216
33	Processing of pre-ribosomal RNA inSaccharomyces cerevisiae. Yeast, 1995, 11, 1629-1650.	1.7	213
34	Yeast snR30 is a small nucleolar RNA required for 18S rRNA synthesis.. Molecular and Cellular Biology, 1993, 13, 2469-2477.	2.3	212
35	A Transcriptome-wide Atlas of RNP Composition Reveals Diverse Classes of mRNAs and lncRNAs. Cell, 2013, 154, 996-1009.	28.9	212
36	Identification of Bacteriophage-Encoded Anti-sRNAs in Pathogenic Escherichia coli. Molecular Cell, 2014, 55, 199-213.	9.7	211

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37	Maturation and Intranuclear Transport of Pre-Ribosomes Requires Noc Proteins. Cell, 2001, 105, 499-509.	28.9	206
38	The N-terminal PIN domain of the exosome subunit Rrp44 harbors endonuclease activity and tethers Rrp44 to the yeast core exosome. Nucleic Acids Research, 2009, 37, 1127-1140.	14.5	202
39	Like Attracts Like: Getting RNA Processing Together in the Nucleus. Science, 2000, 288, 1385-1389.	12.6	200
40	Processing of the Precursors to Small Nucleolar RNAs and rRNAs Requires Common Components. Molecular and Cellular Biology, 1998, 18, 1181-1189.	2.3	199
41	The POP1 gene encodes a protein component common to the RNase MRP and RNase P ribonucleoproteins.. Genes and Development, 1994, 8, 1423-1433.	5.9	198
42	Signal-sequence recognition by an Escherichia coli ribonucleoprotein complex. Nature, 1992, 359, 741-743.	27.8	194
43	An NMD Pathway in Yeast Involving Accelerated Deadenylation and Exosome-Mediated 3â€²â†’5â€² Degradation. Molecular Cell, 2003, 11, 1405-1413.	9.7	193
44	Hrr25-dependent phosphorylation state regulates organization of the pre-40S subunit. Nature, 2006, 441, 651-655.	27.8	191
45	The function and synthesis of ribosomes. Nature Reviews Molecular Cell Biology, 2001, 2, 514-520.	37.0	190
46	The 3' end of yeast 5.8S rRNA is generated by an exonuclease processing mechanism.. Genes and Development, 1996, 10, 502-513.	5.9	184
47	Transcriptome-wide Analysis of Exosome Targets. Molecular Cell, 2012, 48, 422-433.	9.7	184
48	The 18S rRNA dimethylase Dim1p is required for pre-ribosomal RNA processing in yeast.. Genes and Development, 1995, 9, 2470-2481.	5.9	181
49	Genome-Wide Distribution of RNA-DNA Hybrids Identifies RNase H Targets in tRNA Genes, Retrotransposons and Mitochondria. PLoS Genetics, 2014, 10, e1004716.	3.5	179
50	Proofreading of pre-40S ribosome maturation by a translation initiation factor and 60S subunits. Nature Structural and Molecular Biology, 2012, 19, 744-753.	8.2	173
51	Birth of the snoRNPs: the evolution of the modification-guide snoRNAs. Trends in Biochemical Sciences, 1998, 23, 383-388.	7.5	171
52	Trf4 targets ncRNAs from telomeric and rDNA spacer regions and functions in rDNA copy number control. EMBO Journal, 2007, 26, 4996-5006.	7.8	170
53	Ssf1p Prevents Premature Processing of an Early Pre-60S Ribosomal Particle. Molecular Cell, 2002, 9, 341-351.	9.7	167
54	Ki-67 is a PP1-interacting protein that organises the mitotic chromosome periphery. ELife, 2014, 3, e01641.	6.0	167

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55	RNA Helicase Prp43 and Its Co-factor Pfa1 Promote 20 to 18 S rRNA Processing Catalyzed by the Endonuclease Nob1. Journal of Biological Chemistry, 2009, 284, 35079-35091.	3.4	166
56	Evolutionary conservation of the human nucleolar protein fibrillarin and its functional expression in yeast.. Journal of Cell Biology, 1991, 113, 715-729.	5.2	163
57	The nuclear RNA polymerase II surveillance system targets polymerase III transcripts. EMBO Journal, 2011, 30, 1790-1803.	7.8	163
58	A Novel In Vivo Assay Reveals Inhibition of Ribosomal Nuclear Export in Ran-Cycle and Nucleoporin Mutants. Journal of Cell Biology, 1999, 144, 389-401.	5.2	161
59	A cluster of ribosome synthesis factors regulate pre-rRNA folding and 5.8S rRNA maturation by the Rat1 exonuclease. EMBO Journal, 2011, 30, 4006-4019.	7.8	156
60	Functional link between ribosome formation and biogenesis of ironâ€“sulfur proteins. EMBO Journal, 2005, 24, 580-588.	7.8	153
61	Small <scp>RNA</scp> interactome of pathogenic <i>E.Âcoli</i> revealed through crosslinking of <scp>RN</scp>ase E. EMBO Journal, 2017, 36, 374-387.	7.8	153
62	Prp43 Bound at Different Sites on the Pre-rRNA Performs Distinct Functions in Ribosome Synthesis. Molecular Cell, 2009, 36, 583-592.	9.7	152
63	mRNA turnover. Current Opinion in Cell Biology, 2001, 13, 320-325.	5.4	150
64	Processing of 3â€²-Extended Read-Through Transcripts by the Exosome Can Generate Functional mRNAs. Molecular Cell, 2002, 9, 1285-1296.	9.7	146
65	Yeast contains small nuclear RNAs encoded by single copy genes. Cell, 1983, 35, 743-751.	28.9	145
66	Yeast Trf5p is a nuclear poly(A) polymerase. EMBO Reports, 2006, 7, 205-211.	4.5	145
67	Yeast 18S rRNA Dimethylase Dim1p: a Quality Control Mechanism in Ribosome Synthesis?. Molecular and Cellular Biology, 1998, 18, 2360-2370.	2.3	144
68	Nob1p Is Required for Cleavage of the 3â€² End of 18S rRNA. Molecular and Cellular Biology, 2003, 23, 1798-1807.	2.3	144
69	Rrp47p Is an Exosome-Associated Protein Required for the 3â€² Processing of Stable RNAs. Molecular and Cellular Biology, 2003, 23, 6982-6992.	2.3	144
70	Nop58p is a common component of the box C+D snoRNPs that is required for snoRNA stability. Rna, 1999, 5, 455-467.	3.5	143
71	Synthesis and Assembly of the Box C+D Small Nucleolar RNPs. Molecular and Cellular Biology, 2000, 20, 2650-2659.	2.3	139
72	Birth of the snoRNPs: the evolution of RNase MRP and the eukaryotic pre-rRNA-processing system. Trends in Biochemical Sciences, 1995, 20, 78-82.	7.5	138

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73	Ribosome synthesis meets the cell cycle. Current Opinion in Microbiology, 2004, 7, 631-637.	5.1	136
74	The Exosome Subunit Rrp44 Plays a Direct Role in RNA Substrate Recognition. Molecular Cell, 2007, 27, 324-331.	9.7	135
75	Apparent Non-Canonical Trans-Splicing Is Generated by Reverse Transcriptase In Vitro. PLoS ONE, 2010, 5, e12271.	2.5	134
76	Coupled GTPase and remodelling ATPase activities form a checkpoint for ribosome export. Nature, 2014, 505, 112-116.	27.8	132
77	Yeast Rnt1p is required for cleavage of the pre-ribosomal RNA in the 3â€² ETS but not the 5â€² ETS. Rna, 1999, 5, 909-917.	3.5	130
78	Murine cytomegalovirus encodes a miR-27 inhibitor disguised as a target. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 279-284.	7.1	129
79	Both endonucleolytic and exonucleolytic cleavage mediate ITS1 removal during human ribosomal RNA processing. Journal of Cell Biology, 2013, 200, 577-588.	5.2	129
80	Base Pairing between U3 Small Nucleolar RNA and the 5â€² End of 18S rRNA Is Required for Pre-rRNA Processing. Molecular and Cellular Biology, 1999, 19, 6012-6019.	2.3	127
81	Precursors to the U3 Small Nucleolar RNA Lack Small Nucleolar RNP Proteins but Are Stabilized by La Binding. Molecular and Cellular Biology, 2000, 20, 5415-5424.	2.3	126
82	RNA in pieces. Trends in Genetics, 2011, 27, 422-432.	6.7	124
83	Mapping the miRNA interactome by cross-linking ligation and sequencing of hybrids (CLASH). Nature Protocols, 2014, 9, 711-728.	12.0	124
84	Surveillance of nuclear-restricted pre-ribosomes within a subnucleolar region of Saccharomyces cerevisiae. EMBO Journal, 2006, 25, 1534-1546.	7.8	121
85	Threading the barrel of the RNA exosome. Trends in Biochemical Sciences, 2013, 38, 485-493.	7.5	120
86	Musing on the structural organization of the exosome complex. , 2000, 7, 843-846.		119
87	Cracking pre-40S ribosomal subunit structure by systematic analyses of RNAâ€"protein cross-linking. EMBO Journal, 2010, 29, 2026-2036.	7.8	119
88	Network of epistatic interactions within a yeast snoRNA. Science, 2016, 352, 840-844.	12.6	116
89	Regulation of the RNAPII Pool Is Integral to the DNA Damage Response. Cell, 2020, 180, 1245-1261.e21.	28.9	116
90	Defining the <scp>RNA</scp> interactome by total <scp>RNA</scp> â€associated protein purification. Molecular Systems Biology, 2019, 15, e8689.	7.2	114

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91	NOP3 is an essential yeast protein which is required for pre-rRNA processing.. Journal of Cell Biology, 1992, 119, 737-747.	5.2	112
92	PIN domain of Nob1p is required for D-site cleavage in 20S pre-rRNA. Rna, 2004, 10, 1698-1701.	3.5	110
93	Cotranscriptional events in eukaryotic ribosome synthesis. Wiley Interdisciplinary Reviews RNA, 2015, 6, 129-139.	6.4	108
94	Characterization of an SNR gene locus in Saccharomyces cerevisiae that specifies both dispensible and essential small nuclear RNAs.. Molecular and Cellular Biology, 1988, 8, 3282-3290.	2.3	106
95	VapCs of Mycobacterium tuberculosis cleave RNAs essential for translation. Nucleic Acids Research, 2016, 44, 9860-9871.	14.5	106
96	A pre-ribosome-associated HEAT-repeat protein is required for export of both ribosomal subunits. Genes and Development, 2004, 18, 196-209.	5.9	105
97	Three Novel Components of the Human Exosome. Journal of Biological Chemistry, 2001, 276, 6177-6184.	3.4	104
98	Structure of the pre-60S ribosomal subunit with nuclear export factor Arx1 bound at the exit tunnel. Nature Structural and Molecular Biology, 2012, 19, 1234-1241.	8.2	103
99	Efficient termination of transcription by RNA polymerase I requires the 5â€² exonuclease Rat1 in yeast. Genes and Development, 2008, 22, 1069-1081.	5.9	102
100	Small nuclear RNAs in messenger RNA and ribosomal RNA processing.. FASEB Journal, 1993, 7, 47-53.	0.5	98
101	Box C/D small nucleolar RNA trafficking involves small nucleolar RNP proteins, nucleolar factors and a novel nuclear domain. EMBO Journal, 2001, 20, 5480-5490.	7.8	98
102	Rok1p Is a Putative RNA Helicase Required for rRNA Processing. Molecular and Cellular Biology, 1997, 17, 3398-3407.	2.3	96
103	One-step PCR mediated strategy for the construction of conditionally expressed and epitope tagged yeast proteins. Nucleic Acids Research, 1996, 24, 3469-3471.	14.5	93
104	Mutational analysis of an essential binding site for the U3 snoRNA in the 5â€² external transcribed spacer of yeast pre-rRNA. Nucleic Acids Research, 1994, 22, 5139-5147.	14.5	91
105	Fibrillarin Is Essential for Early Development and Required for Accumulation of an Intron-Encoded Small Nucleolar RNA in the Mouse. Molecular and Cellular Biology, 2003, 23, 8519-8527.	2.3	91
106	A Nuclear Surveillance Pathway for mRNAs with Defective Polyadenylation. Molecular and Cellular Biology, 2005, 25, 9996-10004.	2.3	90
107	Rio1 mediates ATP-dependent final maturation of 40S ribosomal subunits. Nucleic Acids Research, 2014, 42, 12189-12199.	14.5	90
108	Dhr1p, a Putative DEAH-Box RNA Helicase, Is Associated with the Box C+D snoRNP U3. Molecular and Cellular Biology, 2000, 20, 7238-7246.	2.3	87

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109	Formation and Nuclear Export of Preribosomes Are Functionally Linked to the Smallâ€Ubiquitinâ€Related Modifier Pathway. Traffic, 2006, 7, 1311-1321.	2.7	87
110	Transcription by RNA polymerase III: insights into mechanism and regulation. Biochemical Society Transactions, 2016, 44, 1367-1375.	3.4	85
111	A Yeast Exosome Cofactor, Mpp6, Functions in RNA Surveillance and in the Degradation of Noncoding RNA Transcripts. Molecular and Cellular Biology, 2008, 28, 5446-5457.	2.3	84
112	The Putative RNA Helicase Dbp4p Is Required for Release of the U14 snoRNA from Preribosomes in Saccharomyces cerevisiae. Molecular Cell, 2005, 20, 53-64.	9.7	83
113	Rrp17p Is a Eukaryotic Exonuclease Required for 5â€² End Processing of Pre-60S Ribosomal RNA. Molecular Cell, 2009, 36, 768-781.	9.7	83
114	A U4-like small nuclear RNA is dispensable in yeast. Cell, 1983, 35, 753-762.	28.9	81
115	Spb4p, an essential putative RNA helicase, is required for a late step in the assembly of 60S ribosomal subunits in Saccharomyces cerevisiae. Rna, 1998, 4, 1268-1281.	3.5	81
116	Mex67p Mediates Nuclear Export of a Variety of RNA Polymerase II Transcripts. Journal of Biological Chemistry, 2000, 275, 8361-8368.	3.4	81
117	A nuclear AAA-type ATPase (Rix7p) is required for biogenesis and nuclear export of 60S ribosomal subunits. EMBO Journal, 2001, 20, 3695-3704.	7.8	81
118	Distinguishing the Roles of Topoisomerases I and II in Relief of Transcription-Induced Torsional Stress in Yeast rRNA Genes. Molecular and Cellular Biology, 2011, 31, 482-494.	2.3	80
119	Notes An inversion truncating the creA gene of Aspergillus niduians results in carbon catabolite derepression. Molecular Microbiology, 1990, 4, 851-854.	2.5	79
120	Genetic and Physical Interactions Involving the Yeast Nuclear Cap-Binding Complex. Molecular and Cellular Biology, 1999, 19, 6543-6553.	2.3	78
121	Pop3p is essential for the activity of the RNase MRP and RNase P ribonucleoproteins invivo. EMBO Journal, 1997, 16, 417-429.	7.8	77
122	Hyb: A bioinformatics pipeline for the analysis of CLASH (crosslinking, ligation and sequencing of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.8	77
123	The nuclear RNA surveillance machinery: The link between ncRNAs and genome structure in budding yeast?. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2008, 1779, 239-246.	1.9	76
124	Rlp7p is associated with 60S preribosomes, restricted to the granular component of the nucleolus, and required for pre-rRNA processing. Journal of Cell Biology, 2002, 157, 941-952.	5.2	73
125	Quantitative analysis of snoRNA association with preâ€ribosomes and release of snR30 by Rok1 helicase. EMBO Reports, 2008, 9, 1230-1236.	4.5	72
126	Formation and nuclear export of tRNA, rRNA and mRNA is regulated by the ubiquitin ligase Rsp5p. EMBO Reports, 2003, 4, 1156-1162.	4.5	71

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127	Lsm Proteins Are Required for Normal Processing and Stability of Ribosomal RNAs. Journal of Biological Chemistry, 2003, 278, 2147-2156.	3.4	71
128	The DEAH-box Helicase Dhr1 Dissociates U3 from the Pre-rRNA to Promote Formation of the Central Pseudoknot. PLoS Biology, 2015, 13, e1002083.	5.6	70
129	Brr2p-mediated conformational rearrangements in the spliceosome during activation and substrate repositioning. Genes and Development, 2012, 26, 2408-2421.	5.9	68
130	Trans-Acting Factors in Ribosome Synthesis. Experimental Cell Research, 1996, 229, 226-232.	2.6	67
131	A Surfeit of Factors: Why is Ribosome Assembly So Much More Complicated in Eukaryotes than Bacteria?. RNA Biology, 2004, 1, 9-14.	3.1	67
132	Microarray detection of novel nuclear RNA substrates for the exosome. Yeast, 2006, 23, 439-454.	1.7	67
133	7SL RNA from <i>Schizosaccharomyces pombe</i> is encoded by a single copy essential gene. EMBO Journal, 1988, 7, 231-237.	7.8	66
134	Yeast Pescadillo is required for multiple activities during 60S ribosomal subunit synthesis. Rna, 2002, 8, 626-636.	3.5	65
135	Rrp5 Binding at Multiple Sites Coordinates Pre-rRNA Processing and Assembly. Molecular Cell, 2013, 52, 707-719.	9.7	65
136	Naf1 p is a box H/ACA snoRNP assembly factor. Rna, 2002, 8, 1502-14.	3.5	65
137	Functional Analysis of Rrp7p, an Essential Yeast Protein Involved in Pre-rRNA Processing and Ribosome Assembly. Molecular and Cellular Biology, 1997, 17, 5023-5032.	2.3	64
138	The Final Step in 5.8S rRNA Processing Is Cytoplasmic in <i>Saccharomyces cerevisiae</i>. Molecular and Cellular Biology, 2010, 30, 976-984.	2.3	64
139	Rea1, a Dynein-related Nuclear AAA-ATPase, Is Involved in Late rRNA Processing and Nuclear Export of 60 S Subunits. Journal of Biological Chemistry, 2004, 279, 55411-55418.	3.4	63
140	UtpA and UtpB chaperone nascent pre-ribosomal RNA and U3 snoRNA to initiate eukaryotic ribosome assembly. Nature Communications, 2016, 7, 12090.	12.8	63
141	The role of the 3â€² external transcribed spacer in yeast pre-rRNA processing. Journal of Molecular Biology, 1998, 278, 67-78.	4.2	62
142	A Pre-Ribosome with a Tadpole-like Structure Functions in ATP-Dependent Maturation of 60S Subunits. Molecular Cell, 2004, 15, 295-301.	9.7	62
143	Mutational analysis of an essential binding site for the U3 snoRNA in the 5â€² external transcribed spacer of yeast pre-rRNA. Nucleic Acids Research, 1994, 22, 4057-4065.	14.5	61
144	Lsm Proteins Are Required for Normal Processing of Pre-tRNAs and Their Efficient Association with La-Homologous Protein Lhp1p. Molecular and Cellular Biology, 2002, 22, 5248-5256.	2.3	61

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145	Yeast Nop15p is an RNA-binding protein required for pre-rRNA processing and cytokinesis. EMBO Journal, 2003, 22, 6573-6583.	7.8	60
146	Box C/D snoRNP catalysed methylation is aided by additional pre-rRNA base-pairing. EMBO Journal, 2011, 30, 2420-2430.	7.8	59
147	Nuclear Pre-mRNA Decapping and 5â€² Degradation in Yeast Require the Lsm2-8p Complex. Molecular and Cellular Biology, 2004, 24, 9646-9657.	2.3	58
148	Stress-Induced Translation Inhibition through Rapid Displacement of Scanning Initiation Factors. Molecular Cell, 2020, 80, 470-484.e8.	9.7	58
149	Nuclear RNA Decay Pathways Aid Rapid Remodeling of Gene Expression in Yeast. Molecular Cell, 2017, 65, 787-800.e5.	9.7	57
150	Identification of RNA Helicase Target Sites by UV Cross-Linking and Analysis of cDNA. Methods in Enzymology, 2012, 511, 275-288.	1.0	56
151	Global analysis of transcriptionally engaged yeast RNA polymerase III reveals extended tRNA transcripts. Genome Research, 2016, 26, 933-944.	5.5	56
152	Nop9 is an RNA binding protein present in pre-40S ribosomes and required for 18S rRNA synthesis in yeast. Rna, 2007, 13, 2165-2174.	3.5	55
153	The yeast ribosome synthesis factor Emg1 is a novel member of the superfamily of alpha/beta knot fold methyltransferases. Nucleic Acids Research, 2007, 36, 629-639.	14.5	54
154	A surfeit of factors: why is ribosome assembly so much more complicated in eukaryotes than bacteria?. RNA Biology, 2004, 1, 10-5.	3.1	54
155	Evolutionary conserved nucleotides within theE.coli4.5S RNA are required for association with P48in vitroand for optimal functionin vivo. Nucleic Acids Research, 1992, 20, 5919-5925.	14.5	53
156	An Endoribonuclease Functionally Linked to Perinuclear mRNP Quality Control Associates with the Nuclear Pore Complexes. PLoS Biology, 2009, 7, e1000008.	5.6	53
157	The PIN domain endonuclease Utp24 cleaves pre-ribosomal RNA at two coupled sites in yeast and humans. Nucleic Acids Research, 2016, 44, 5399-5409.	14.5	53
158	Final Pre-40S Maturation Depends on the Functional Integrity of the 60S Subunit Ribosomal Protein L3. PLoS Genetics, 2014, 10, e1004205.	3.5	52
159	Nascent Transcript Folding Plays a Major Role in Determining RNA Polymerase Elongation Rates. Molecular Cell, 2020, 79, 488-503.e11.	9.7	52
160	HuD Is a Neural Translation Enhancer Acting on mTORC1-Responsive Genes and Counteracted by the Y3 Small Non-coding RNA. Molecular Cell, 2018, 71, 256-270.e10.	9.7	51
161	Yeast Nucleoporin Mutants Are Defective in pre-tRNA Splicing. Molecular and Cellular Biology, 1996, 16, 294-301.	2.3	50
162	Surveillance-ready transcription: nuclear RNA decay as a default fate. Open Biology, 2018, 8, .	3.6	50

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164	RiboSys, a high-resolution, quantitative approach to measure the in vivo kinetics of pre-mRNA splicing and 3â€²-end processing in <i>Saccharomyces cerevisiae</i>. Rna, 2010, 16, 2570-2580.	3.5	48
165	Strandâ€specific, highâ€resolution mapping of modified RNA polymerase II. Molecular Systems Biology, 2016, 12, 874.	7.2	46
166	The role of small nucleolar ribonucleoproteins in ribosome synthesis. Molecular Biology Reports, 1990, 14, 103-106.	2.3	45
167	The 'scavenger' m7GpppX pyrophosphatase activity of Dcs1 modulates nutrient-induced responses in yeast. Nucleic Acids Research, 2004, 32, 3590-3600.	14.5	44
168	A network of assembly factors is involved in remodeling rRNA elements during preribosome maturation. Journal of Cell Biology, 2014, 207, 481-498.	5.2	44
169	<i>Trans</i>-acting factors in yeast pre-rRNA and pre-snoRNA processing. Biochemistry and Cell Biology, 1995, 73, 803-812.	2.0	43
170	Roles of the HEAT repeat proteins Utp10 and Utp20 in 40S ribosome maturation. Rna, 2007, 13, 1516-1527.	3.5	43
171	The nuclear RNA polymerase II surveillance system targets polymerase III transcripts. EMBO Journal, 2011, 30, 2982-2982.	7.8	43
172	Transcription factor Wilmsâ€™ tumor 1 regulates developmental RNAs through 3â€² UTR interaction. Genes and Development, 2017, 31, 347-352.	5.9	43
173	High level of complexity of small nuclear RNAs in fungi and plants. Journal of Molecular Biology, 1987, 196, 355-361.	4.2	42
174	Repeat expansion in the budding yeast ribosomal DNA can occur independently of the canonical homologous recombination machinery. Nucleic Acids Research, 2011, 39, 8778-8791.	14.5	42
175	A complex pathway for 3' processing of the yeast U3 snoRNA. Nucleic Acids Research, 2003, 31, 6788-6797.	14.5	40
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