

# David Tollervey

## List of Publications by Citations

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29,027  
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#	Paper	IF	Citations
253	Coding-sequence determinants of gene expression in <i>Escherichia coli</i> . <i>Science</i> , <b>2009</b> , 324, 255-8	33.3	1011
252	Mapping the human miRNA interactome by CLASH reveals frequent noncanonical binding. <i>Cell</i> , <b>2013</b> , 153, 654-65	56.2	880
251	The exosome: a conserved eukaryotic RNA processing complex containing multiple 3R→5R exoribonucleases. <i>Cell</i> , <b>1997</b> , 91, 457-66	56.2	773
250	The many pathways of RNA degradation. <i>Cell</i> , <b>2009</b> , 136, 763-76	56.2	768
249	RNA degradation by the exosome is promoted by a nuclear polyadenylation complex. <i>Cell</i> , <b>2005</b> , 121, 713-24	56.2	700
248	Ribosome synthesis in <i>Saccharomyces cerevisiae</i> . <i>Annual Review of Genetics</i> , <b>1999</b> , 33, 261-311	14.5	660
247	RNA-quality control by the exosome. <i>Nature Reviews Molecular Cell Biology</i> , <b>2006</b> , 7, 529-39	48.7	513
246	Functions of the exosome in rRNA, snoRNA and snRNA synthesis. <i>EMBO Journal</i> , <b>1999</b> , 18, 5399-410	13	466
245	Making ribosomes. <i>Current Opinion in Cell Biology</i> , <b>2002</b> , 14, 313-8	9	428
244	Temperature-sensitive mutations demonstrate roles for yeast fibrillar in pre-rRNA processing, pre-rRNA methylation, and ribosome assembly. <i>Cell</i> , <b>1993</b> , 72, 443-57	56.2	426
243	90S pre-ribosomes include the 35S pre-rRNA, the U3 snoRNP, and 40S subunit processing factors but predominantly lack 60S synthesis factors. <i>Molecular Cell</i> , <b>2002</b> , 10, 105-15	17.6	395
242	Function and synthesis of small nucleolar RNAs. <i>Current Opinion in Cell Biology</i> , <b>1997</b> , 9, 337-42	9	377
241	The yeast exosome and human PM-Scl are related complexes of 3R→5R exonucleases. <i>Genes and Development</i> , <b>1999</b> , 13, 2148-58	12.6	370
240	A new system for naming ribosomal proteins. <i>Current Opinion in Structural Biology</i> , <b>2014</b> , 24, 165-9	8.1	365
239	Identification of a regulated pathway for nuclear pre-mRNA turnover. <i>Cell</i> , <b>2000</b> , 102, 765-75	56.2	318
238	Loss of Topoisomerase I leads to R-loop-mediated transcriptional blocks during ribosomal RNA synthesis. <i>Genes and Development</i> , <b>2010</b> , 24, 1546-58	12.6	301
237	60S pre-ribosome formation viewed from assembly in the nucleolus until export to the cytoplasm. <i>EMBO Journal</i> , <b>2002</b> , 21, 5539-47	13	281

236	Identification of a 60S preribosomal particle that is closely linked to nuclear export. <i>Molecular Cell</i> , <b>2001</b> , 8, 517-29	17.6	275
235	The box H + ACA snoRNAs carry Cbf5p, the putative rRNA pseudouridine synthase. <i>Genes and Development</i> , <b>1998</b> , 12, 527-37	12.6	269
234	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. <i>Molecular and Cellular Biology</i> , <b>2001</b> , 21, 3405-15	4.8	268
233	Identification of protein binding sites on U3 snoRNA and pre-rRNA by UV cross-linking and high-throughput analysis of cDNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 9613-8	11.5	259
232	Dob1p (Mtr4p) is a putative ATP-dependent RNA helicase required for the 3Rend formation of 5.8S rRNA in <i>Saccharomyces cerevisiae</i> . <i>EMBO Journal</i> , <b>1998</b> , 17, 1128-40	13	259
231	mRNA stability in eukaryotes. <i>Current Opinion in Genetics and Development</i> , <b>2000</b> , 10, 193-8	4.9	240
230	The path from nucleolar 90S to cytoplasmic 40S pre-ribosomes. <i>EMBO Journal</i> , <b>2003</b> , 22, 1370-80	13	237
229	Nucleolar KKE/D repeat proteins Nop56p and Nop58p interact with Nop1p and are required for ribosome biogenesis. <i>Molecular and Cellular Biology</i> , <b>1997</b> , 17, 7088-98	4.8	234
228	A ncRNA modulates histone modification and mRNA induction in the yeast GAL gene cluster. <i>Molecular Cell</i> , <b>2008</b> , 32, 685-95	17.6	232
227	Accurate processing of a eukaryotic precursor ribosomal RNA by ribonuclease MRP in vitro. <i>Science</i> , <b>1996</b> , 272, 268-70	33.3	226
226	Yeast pre-rRNA processing and modification occur cotranscriptionally. <i>Molecular Cell</i> , <b>2010</b> , 37, 809-20	17.6	217
225	<i>E. coli</i> 4.5S RNA is part of a ribonucleoprotein particle that has properties related to signal recognition particle. <i>Cell</i> , <b>1990</b> , 63, 591-600	56.2	214
224	Cross-linking, ligation, and sequencing of hybrids reveals RNA-RNA interactions in yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 10010-5	11.5	212
223	Yeast snR30 is a small nucleolar RNA required for 18S rRNA synthesis. <i>Molecular and Cellular Biology</i> , <b>1993</b> , 13, 2469-77	4.8	207
222	Lithium toxicity in yeast is due to the inhibition of RNA processing enzymes. <i>EMBO Journal</i> , <b>1997</b> , 16, 7184-95	13	201
221	Processing of pre-ribosomal RNA in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , <b>1995</b> , 11, 1629-50	3.4	201
220	Degradation of ribosomal RNA precursors by the exosome. <i>Nucleic Acids Research</i> , <b>2000</b> , 28, 1684-91	20.1	200
219	Maturation and intranuclear transport of pre-ribosomes requires Noc proteins. <i>Cell</i> , <b>2001</b> , 105, 499-509	56.2	183

218	The N-terminal PIN domain of the exosome subunit Rrp44 harbors endonuclease activity and tethers Rrp44 to the yeast core exosome. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, 1127-40	20.1	182
217	Like attracts like: getting RNA processing together in the nucleus. <i>Science</i> , <b>2000</b> , 288, 1385-9	33.3	182
216	The POP1 gene encodes a protein component common to the RNase MRP and RNase P ribonucleoproteins. <i>Genes and Development</i> , <b>1994</b> , 8, 1423-33	12.6	180
215	Processing of the precursors to small nucleolar RNAs and rRNAs requires common components. <i>Molecular and Cellular Biology</i> , <b>1998</b> , 18, 1181-9	4.8	179
214	Signal-sequence recognition by an Escherichia coli ribonucleoprotein complex. <i>Nature</i> , <b>1992</b> , 359, 741-3	50.4	175
213	Identification of bacteriophage-encoded anti-sRNAs in pathogenic Escherichia coli. <i>Molecular Cell</i> , <b>2014</b> , 55, 199-213	17.6	174
212	A transcriptome-wide atlas of RNP composition reveals diverse classes of mRNAs and lncRNAs. <i>Cell</i> , <b>2013</b> , 154, 996-1009	56.2	174
211	Hrr25-dependent phosphorylation state regulates organization of the pre-40S subunit. <i>Nature</i> , <b>2006</b> , 441, 651-5	50.4	169
210	An NMD pathway in yeast involving accelerated deadenylation and exosome-mediated 3R->5R degradation. <i>Molecular Cell</i> , <b>2003</b> , 11, 1405-13	17.6	166
209	The 18S rRNA dimethylase Dim1p is required for pre-ribosomal RNA processing in yeast. <i>Genes and Development</i> , <b>1995</b> , 9, 2470-81	12.6	159
208	Birth of the snoRNPs: the evolution of the modification-guide snoRNAs. <i>Trends in Biochemical Sciences</i> , <b>1998</b> , 23, 383-8	10.3	158
207	Evolutionary conservation of the human nucleolar protein fibrillarin and its functional expression in yeast. <i>Journal of Cell Biology</i> , <b>1991</b> , 113, 715-29	7.3	154
206	The 3' end of yeast 5.8S rRNA is generated by an exonuclease processing mechanism. <i>Genes and Development</i> , <b>1996</b> , 10, 502-13	12.6	153
205	Ssf1p prevents premature processing of an early pre-60S ribosomal particle. <i>Molecular Cell</i> , <b>2002</b> , 9, 341-51	17.6	148
204	A novel in vivo assay reveals inhibition of ribosomal nuclear export in ran-cycle and nucleoporin mutants. <i>Journal of Cell Biology</i> , <b>1999</b> , 144, 389-401	7.3	148
203	Trf4 targets ncRNAs from telomeric and rDNA spacer regions and functions in rDNA copy number control. <i>EMBO Journal</i> , <b>2007</b> , 26, 4996-5006	13	146
202	Transcriptome-wide analysis of exosome targets. <i>Molecular Cell</i> , <b>2012</b> , 48, 422-33	17.6	145
201	RNA helicase Prp43 and its co-factor Pfa1 promote 20 to 18 S rRNA processing catalyzed by the endonuclease Nob1. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 35079-91	5.4	142

200	The nuclear RNA polymerase II surveillance system targets polymerase III transcripts. <i>EMBO Journal</i> , <b>2011</b> , 30, 1790-803	13	141
199	Genome-wide distribution of RNA-DNA hybrids identifies RNase H targets in tRNA genes, retrotransposons and mitochondria. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004716	6	140
198	The function and synthesis of ribosomes. <i>Nature Reviews Molecular Cell Biology</i> , <b>2001</b> , 2, 514-20	48.7	139
197	mRNA turnover. <i>Current Opinion in Cell Biology</i> , <b>2001</b> , 13, 320-5	9	139
196	Processing of 3' extended read-through transcripts by the exosome can generate functional mRNAs. <i>Molecular Cell</i> , <b>2002</b> , 9, 1285-96	17.6	138
195	Yeast Trf5p is a nuclear poly(A) polymerase. <i>EMBO Reports</i> , <b>2006</b> , 7, 205-11	6.5	136
194	Nop58p is a common component of the box C+D snoRNPs that is required for snoRNA stability. <i>Rna</i> , <b>1999</b> , 5, 455-67	5.8	136
193	Yeast contains small nuclear RNAs encoded by single copy genes. <i>Cell</i> , <b>1983</b> , 35, 743-51	56.2	136
192	A cluster of ribosome synthesis factors regulate pre-rRNA folding and 5.8S rRNA maturation by the Rat1 exonuclease. <i>EMBO Journal</i> , <b>2011</b> , 30, 4006-19	13	135
191	Proofreading of pre-40S ribosome maturation by a translation initiation factor and 60S subunits. <i>Nature Structural and Molecular Biology</i> , <b>2012</b> , 19, 744-53	17.6	134
190	Rrp47p is an exosome-associated protein required for the 3' processing of stable RNAs. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 6982-92	4.8	134
189	Functional link between ribosome formation and biogenesis of iron-sulfur proteins. <i>EMBO Journal</i> , <b>2005</b> , 24, 580-8	13	133
188	Synthesis and assembly of the box C+D small nucleolar RNPs. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 2650-9	4.8	131
187	Yeast 18S rRNA dimethylase Dim1p: a quality control mechanism in ribosome synthesis?. <i>Molecular and Cellular Biology</i> , <b>1998</b> , 18, 2360-70	4.8	129
186	Prp43 bound at different sites on the pre-rRNA performs distinct functions in ribosome synthesis. <i>Molecular Cell</i> , <b>2009</b> , 36, 583-92	17.6	128
185	Birth of the snoRNPs: the evolution of RNase MRP and the eukaryotic pre-rRNA-processing system. <i>Trends in Biochemical Sciences</i> , <b>1995</b> , 20, 78-82	10.3	127
184	The exosome subunit Rrp44 plays a direct role in RNA substrate recognition. <i>Molecular Cell</i> , <b>2007</b> , 27, 324-331	17.6	125
183	Nob1p is required for cleavage of the 3' end of 18S rRNA. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 1798-807	4.7	122

182	Ribosome synthesis meets the cell cycle. <i>Current Opinion in Microbiology</i> , <b>2004</b> , 7, 631-7	7.9	116
181	Precursors to the U3 small nucleolar RNA lack small nucleolar RNP proteins but are stabilized by La binding. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 5415-24	4.8	116
180	Yeast Rnt1p is required for cleavage of the pre-ribosomal RNA in the 3RETS but not the 5RETS. <i>Rna</i> , <b>1999</b> , 5, 909-17	5.8	116
179	Base pairing between U3 small nucleolar RNA and the 5REnd of 18S rRNA is required for pre-rRNA processing. <i>Molecular and Cellular Biology</i> , <b>1999</b> , 19, 6012-9	4.8	116
178	Small RNA interactome of pathogenic E. coli revealed through crosslinking of RNase E. <i>EMBO Journal</i> , <b>2017</b> , 36, 374-387	13	112
177	Surveillance of nuclear-restricted pre-ribosomes within a subnucleolar region of <i>Saccharomyces cerevisiae</i> . <i>EMBO Journal</i> , <b>2006</b> , 25, 1534-46	13	112
176	Ki-67 is a PP1-interacting protein that organises the mitotic chromosome periphery. <i>ELife</i> , <b>2014</b> , 3, e016419	4.9	110
175	RNA in pieces. <i>Trends in Genetics</i> , <b>2011</b> , 27, 422-32	8.5	109
174	Cracking pre-40S ribosomal subunit structure by systematic analyses of RNA-protein cross-linking. <i>EMBO Journal</i> , <b>2010</b> , 29, 2026-36	13	108
173	Apparent non-canonical trans-splicing is generated by reverse transcriptase in vitro. <i>PLoS ONE</i> , <b>2010</b> , 5, e12271	3.7	106
172	Musing on the structural organization of the exosome complex. <i>Nature Structural Biology</i> , <b>2000</b> , 7, 843-6		106
171	Characterization of an SNR gene locus in <i>Saccharomyces cerevisiae</i> that specifies both dispensible and essential small nuclear RNAs. <i>Molecular and Cellular Biology</i> , <b>1988</b> , 8, 3282-90	4.8	105
170	NOP3 is an essential yeast protein which is required for pre-rRNA processing. <i>Journal of Cell Biology</i> , <b>1992</b> , 119, 737-47	7.3	103
169	Murine cytomegalovirus encodes a miR-27 inhibitor disguised as a target. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 279-84	11.5	100
168	Coupled GTPase and remodelling ATPase activities form a checkpoint for ribosome export. <i>Nature</i> , <b>2014</b> , 505, 112-116	50.4	97
167	Mapping the miRNA interactome by cross-linking ligation and sequencing of hybrids (CLASH). <i>Nature Protocols</i> , <b>2014</b> , 9, 711-28	18.8	96
166	PIN domain of Nob1p is required for D-site cleavage in 20S pre-rRNA. <i>Rna</i> , <b>2004</b> , 10, 1698-701	5.8	96
165	Small nuclear RNAs in messenger RNA and ribosomal RNA processing. <i>FASEB Journal</i> , <b>1993</b> , 7, 47-53	0.9	95

164	Both endonucleolytic and exonucleolytic cleavage mediate ITS1 removal during human ribosomal RNA processing. <i>Journal of Cell Biology</i> , <b>2013</b> , 200, 577-88	7.3	94
163	A pre-ribosome-associated HEAT-repeat protein is required for export of both ribosomal subunits. <i>Genes and Development</i> , <b>2004</b> , 18, 196-209	12.6	93
162	Structure of the pre-60S ribosomal subunit with nuclear export factor Arx1 bound at the exit tunnel. <i>Nature Structural and Molecular Biology</i> , <b>2012</b> , 19, 1234-41	17.6	92
161	Rok1p is a putative RNA helicase required for rRNA processing. <i>Molecular and Cellular Biology</i> , <b>1997</b> , 17, 3398-407	4.8	92
160	A nuclear surveillance pathway for mRNAs with defective polyadenylation. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 9996-10004	4.8	89
159	Three novel components of the human exosome. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 6177-84	5.4	89
158	Box C/D small nucleolar RNA trafficking involves small nucleolar RNP proteins, nucleolar factors and a novel nuclear domain. <i>EMBO Journal</i> , <b>2001</b> , 20, 5480-90	13	88
157	Threading the barrel of the RNA exosome. <i>Trends in Biochemical Sciences</i> , <b>2013</b> , 38, 485-93	10.3	87
156	One-step PCR mediated strategy for the construction of conditionally expressed and epitope tagged yeast proteins. <i>Nucleic Acids Research</i> , <b>1996</b> , 24, 3469-71	20.1	86
155	Mutational analysis of an essential binding site for the U3 snoRNA in the 5'external transcribed spacer of yeast pre-rRNA. <i>Nucleic Acids Research</i> , <b>1994</b> , 22, 5139-47	20.1	86
154	Efficient termination of transcription by RNA polymerase I requires the 5' exonuclease Rat1 in yeast. <i>Genes and Development</i> , <b>2008</b> , 22, 1069-81	12.6	83
153	A U4-like small nuclear RNA is dispensable in yeast. <i>Cell</i> , <b>1983</b> , 35, 753-62	56.2	80
152	Cotranscriptional events in eukaryotic ribosome synthesis. <i>Wiley Interdisciplinary Reviews RNA</i> , <b>2015</b> , 6, 129-39	9.3	78
151	Dhr1p, a putative DEAH-box RNA helicase, is associated with the box C+D snoRNP U3. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 7238-46	4.8	77
150	Fibrillarin is essential for early development and required for accumulation of an intron-encoded small nucleolar RNA in the mouse. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 8519-27	4.8	76
149	Distinguishing the roles of Topoisomerases I and II in relief of transcription-induced torsional stress in yeast rRNA genes. <i>Molecular and Cellular Biology</i> , <b>2011</b> , 31, 482-94	4.8	75
148	A yeast exosome cofactor, Mpp6, functions in RNA surveillance and in the degradation of noncoding RNA transcripts. <i>Molecular and Cellular Biology</i> , <b>2008</b> , 28, 5446-57	4.8	75
147	The Putative RNA Helicase Dbp4p Is Required for Release of the U14 snoRNA from Preribosomes in <i>Saccharomyces cerevisiae</i> . <i>Molecular Cell</i> , <b>2005</b> , 20, 53-64	17.6	75

146	An inversion truncating the creA gene of <i>Aspergillus nidulans</i> results in carbon catabolite derepression. <i>Molecular Microbiology</i> , <b>1990</b> , 4, 851-4	4.1	75
145	Network of epistatic interactions within a yeast snoRNA. <i>Science</i> , <b>2016</b> , 352, 840-4	33.3	74
144	A nuclear AAA-type ATPase (Rix7p) is required for biogenesis and nuclear export of 60S ribosomal subunits. <i>EMBO Journal</i> , <b>2001</b> , 20, 3695-704	13	73
143	Mex67p mediates nuclear export of a variety of RNA polymerase II transcripts. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 8361-8	5.4	73
142	Spb4p, an essential putative RNA helicase, is required for a late step in the assembly of 60S ribosomal subunits in <i>Saccharomyces cerevisiae</i> . <i>Rna</i> , <b>1998</b> , 4, 1268-81	5.8	73
141	Genetic and physical interactions involving the yeast nuclear cap-binding complex. <i>Molecular and Cellular Biology</i> , <b>1999</b> , 19, 6543-53	4.8	73
140	Pop3p is essential for the activity of the RNase MRP and RNase P ribonucleoproteins in vivo. <i>EMBO Journal</i> , <b>1997</b> , 16, 417-29	13	72
139	Formation and nuclear export of preribosomes are functionally linked to the small-ubiquitin-related modifier pathway. <i>Traffic</i> , <b>2006</b> , 7, 1311-21	5.7	70
138	VapCs of <i>Mycobacterium tuberculosis</i> cleave RNAs essential for translation. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 9860-9871	20.1	70
137	The nuclear RNA surveillance machinery: the link between ncRNAs and genome structure in budding yeast?. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2008</b> , 1779, 239-46	6	67
136	Defining the RNA interactome by total RNA-associated protein purification. <i>Molecular Systems Biology</i> , <b>2019</b> , 15, e8689	12.2	66
135	Rlp7p is associated with 60S preribosomes, restricted to the granular component of the nucleolus, and required for pre-rRNA processing. <i>Journal of Cell Biology</i> , <b>2002</b> , 157, 941-51	7.3	66
134	Trans-acting factors in ribosome synthesis. <i>Experimental Cell Research</i> , <b>1996</b> , 229, 226-32	4.2	65
133	Rrp17p is a eukaryotic exonuclease required for 5' end processing of Pre-60S ribosomal RNA. <i>Molecular Cell</i> , <b>2009</b> , 36, 768-81	17.6	64
132	Quantitative analysis of snoRNA association with pre-ribosomes and release of snR30 by Rok1 helicase. <i>EMBO Reports</i> , <b>2008</b> , 9, 1230-6	6.5	64
131	Formation and nuclear export of tRNA, rRNA and mRNA is regulated by the ubiquitin ligase Rsp5p. <i>EMBO Reports</i> , <b>2003</b> , 4, 1156-62	6.5	63
130	Lsm Proteins are required for normal processing and stability of ribosomal RNAs. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 2147-56	5.4	63
129	Functional analysis of Rrp7p, an essential yeast protein involved in pre-rRNA processing and ribosome assembly. <i>Molecular and Cellular Biology</i> , <b>1997</b> , 17, 5023-32	4.8	62



128	Rio1 mediates ATP-dependent final maturation of 40S ribosomal subunits. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 12189-99	20.1	61
127	Microarray detection of novel nuclear RNA substrates for the exosome. <i>Yeast</i> , <b>2006</b> , 23, 439-54	3.4	61
126	Yeast Pescadillo is required for multiple activities during 60S ribosomal subunit synthesis. <i>Rna</i> , <b>2002</b> , 8, 626-36	5.8	61
125	A pre-ribosome with a tadpole-like structure functions in ATP-dependent maturation of 60S subunits. <i>Molecular Cell</i> , <b>2004</b> , 15, 295-301	17.6	61
124	Brr2p-mediated conformational rearrangements in the spliceosome during activation and substrate repositioning. <i>Genes and Development</i> , <b>2012</b> , 26, 2408-21	12.6	60
123	Naf1 p is a box H/ACA snoRNP assembly factor. <i>Rna</i> , <b>2002</b> , 8, 1502-14	5.8	60
122	The role of the 3Rexternal transcribed spacer in yeast pre-rRNA processing. <i>Journal of Molecular Biology</i> , <b>1998</b> , 278, 67-78	6.5	58
121	Rea1, a dynein-related nuclear AAA-ATPase, is involved in late rRNA processing and nuclear export of 60 S subunits. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 55411-8	5.4	57
120	The final step in 5.8S rRNA processing is cytoplasmic in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , <b>2010</b> , 30, 976-84	4.8	56
119	Yeast Nop15p is an RNA-binding protein required for pre-rRNA processing and cytokinesis. <i>EMBO Journal</i> , <b>2003</b> , 22, 6573-83	13	56
118	Lsm proteins are required for normal processing of pre-tRNAs and their efficient association with La-homologous protein Lhp1p. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 5248-56	4.8	56
117	A Surfeit of Factors: Why is Ribosome Assembly So Much More Complicated in Eukaryotes than Bacteria?. <i>RNA Biology</i> , <b>2004</b> , 1, 9-14	4.8	55
116	A surfeit of factors: why is ribosome assembly so much more complicated in eukaryotes than bacteria?. <i>RNA Biology</i> , <b>2004</b> , 1, 10-5	4.8	54
115	Nuclear pre-mRNA decapping and 5Rdegradation in yeast require the Lsm2-8p complex. <i>Molecular and Cellular Biology</i> , <b>2004</b> , 24, 9646-57	4.8	53
114	Transcription by RNA polymerase III: insights into mechanism and regulation. <i>Biochemical Society Transactions</i> , <b>2016</b> , 44, 1367-1375	5.1	53
113	Regulation of the RNAPII Pool Is Integral to the DNA Damage Response. <i>Cell</i> , <b>2020</b> , 180, 1245-1261.e21	56.2	51
112	Box C/D snoRNP catalysed methylation is aided by additional pre-rRNA base-pairing. <i>EMBO Journal</i> , <b>2011</b> , 30, 2420-30	13	50
111	The DEAH-box helicase Dhr1 dissociates U3 from the pre-rRNA to promote formation of the central pseudoknot. <i>PLoS Biology</i> , <b>2015</b> , 13, e1002083	9.7	49

110	Hyb: a bioinformatics pipeline for the analysis of CLASH (crosslinking, ligation and sequencing of hybrids) data. <i>Methods</i> , <b>2014</b> , 65, 263-73	4.6	48
109	Yeast nucleoporin mutants are defective in pre-tRNA splicing. <i>Molecular and Cellular Biology</i> , <b>1996</b> , 16, 294-301	4.8	48
108	Evolutionary conserved nucleotides within the E.coli 4.5S RNA are required for association with P48 in vitro and for optimal function in vivo. <i>Nucleic Acids Research</i> , <b>1992</b> , 20, 5919-25	20.1	48
107	An endoribonuclease functionally linked to perinuclear mRNP quality control associates with the nuclear pore complexes. <i>PLoS Biology</i> , <b>2009</b> , 7, e8	9.7	47
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