David A Brow

List of Publications by Year
in descending order

43 papers	2,908 citations	304743 22 h-index	276875 41 g-index
50 all docs	50 docs citations	50 times ranked	1956 citing authors

#	Article	IF	Citations
1	Human spliceosomal snRNA sequence variants generate variant spliceosomes. Rna, 2021, 27, 1186-1203.	3.5	12
2	Molecular basis for the distinct cellular functions of the Lsm1â€"7 and Lsm2â€"8 complexes. Rna, 2020, 26, 1400-1413.	3.5	22
3	An Allosteric Network for Spliceosome Activation Revealed by High-Throughput Suppressor Analysis in<i>Saccharomyces cerevisiae</i>. Genetics, 2019, 212, 111-124.	2.9	3
4	The life of U6 small nuclear RNA, from cradle to grave. Rna, 2018, 24, 437-460.	3.5	92
5	Architecture of the U6 snRNP reveals specific recognition of 3â€²-end processed U6 snRNA. Nature Communications, 2018, 9, 1749.	12.8	17
6	Usb1 controls U6 snRNP assembly through evolutionarily divergent cyclic phosphodiesterase activities. Nature Communications, 2017, 8, 497.	12.8	20
7	Structure and conformational plasticity of the U6 small nuclear ribonucleoprotein core. Acta Crystallographica Section D: Structural Biology, 2017, 73, 1-8.	2.3	5
8	Transcriptomes of six mutants in the Sen1 pathway reveal combinatorial control of transcription termination across the Saccharomyces cerevisiae genome. PLoS Genetics, 2017, 13, e1006863.	3.5	14
9	A multi-step model for facilitated unwinding of the yeast U4/U6 RNA duplex. Nucleic Acids Research, 2016, 44, 10912-10928.	14.5	14
10	Structural requirements for protein-catalyzed annealing of U4 and U6 RNAs during di-snRNP assembly. Nucleic Acids Research, 2016, 44, 1398-1410.	14.5	22
11	An RNA mystery and its denouement. Rna, 2015, 21, 576-577.	3.5	0
12	Spliceosome assembly in the absence of stable U4/U6 RNA pairing. Rna, 2015, 21, 923-934.	3.5	9
13	Saccharomyces cerevisiae Sen1 Helicase Domain Exhibits 5â€²- to 3â€²-Helicase Activity with a Preference for Translocation on DNA Rather than RNA. Journal of Biological Chemistry, 2015, 290, 22880-22889.	3.4	52
14	<i>Saccharomyces cerevisiae</i> Sen1 as a Model for the Study of Mutations in Human Senataxin That Elicit Cerebellar Ataxia. Genetics, 2014, 198, 577-590.	2.9	30
15	An unanticipated early function of DEAD-box ATPase Prp28 during commitment to splicing is modulated by U5 snRNP protein Prp8. Rna, 2014, 20, 46-60.	3.5	17
16	Core structure of the U6 small nuclear ribonucleoprotein at 1.7-Ã… resolution. Nature Structural and Molecular Biology, 2014, 21, 544-551.	8.2	65
17	Sen-sing RNA Terminators. Molecular Cell, 2011, 42, 717-718.	9.7	8
18	A novel occluded RNA recognition motif in Prp24 unwinds the U6 RNA internal stem loop. Nucleic Acids Research, 2011, 39, 7837-7847.	14.5	42

#	Article	IF	Citations
19	Structure and functional implications of a complex containing a segment of U6 RNA bound by a domain of Prp24. Rna, 2010, 16, 792-804.	3.5	22
20	Eye on RNA unwinding. Nature Structural and Molecular Biology, 2009, 16, 7-8.	8.2	2
21	Regulation of a Eukaryotic Gene by GTP-Dependent Start Site Selection and Transcription Attenuation. Molecular Cell, 2008, 31, 201-211.	9.7	128
22	A dynamic bulge in the U6 RNA internal stemâ€"loop functions in spliceosome assembly and activation. Rna, 2007, 13, 2252-2265.	3.5	25
23	Structure and Interactions of the First Three RNA Recognition Motifs of Splicing Factor Prp24. Journal of Molecular Biology, 2007, 367, 1447-1458.	4.2	36
24	Genome-Wide Distribution of Yeast RNA Polymerase II and Its Control by Sen1 Helicase. Molecular Cell, 2006, 24, 735-746.	9.7	293
25	cis - and trans -Acting Determinants of Transcription Termination by Yeast RNA Polymerase II. Molecular and Cellular Biology, 2006, 26, 2688-2696.	2.3	72
26	The N- and C-terminal RNA recognition motifs of splicing factor Prp24 have distinct functions in U6 RNA binding. Rna, 2005, 11, 808-820.	3.5	22
27	Position-dependent function of a B block promoter element implies a specialized chromatin structure on the S.cerevisiae U6 RNA gene, SNR6. Nucleic Acids Research, 2004, 32, 4297-4305.	14.5	8
28	Ssu72 Protein Mediates Both Poly(A)-Coupled and Poly(A)-Independent Termination of RNA Polymerase II Transcription. Molecular and Cellular Biology, 2003, 23, 6339-6349.	2.3	102
29	Distinct domains of splicing factor Prp8 mediate different aspects of spliceosome activation. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9145-9149.	7.1	69
30	Allosteric Cascade of Spliceosome Activation. Annual Review of Genetics, 2002, 36, 333-360.	7.6	318
31	RNA-binding protein Nrd1 directs poly(A)-independent 3â€²-end formation of RNA polymerase II transcripts. Nature, 2001, 413, 327-331.	27.8	328
32	A Novel Upstream RNA Polymerase III Promoter Element Becomes Essential When the Chromatin Structure of the Yeast U6 RNA Gene Is Altered. Molecular and Cellular Biology, 2001, 21, 6429-6439.	2.3	33
33	A NRD1-NAB3 COMPLEX ASSOCIATED WITH YEAST RNA POLYMERASE II. Biochemical Society Transactions, 2000, 28, A442-A442.	3.4	0
34	Disruption of the 5â€² stem-loop of yeast U6 RNA induces trimethylguanosine capping of this RNA polymerase III transcript in vivo. Rna, 2000, 6, 1859-1869.	3.5	13
35	A Yeast Heterogeneous Nuclear Ribonucleoprotein Complex Associated With RNA Polymerase II. Genetics, 2000, 154, 557-571.	2.9	125
36	Suppressors of a Cold-Sensitive Mutation in Yeast U4 RNA Define Five Domains in the Splicing Factor Prp8 That Influence Spliceosome Activation. Genetics, 2000, 155, 1667-1682.	2.9	70

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37	Splicing Factor Prp8 Governs U4/U6 RNA Unwinding during Activation of the Spliceosome. Molecular Cell, 1999, 3, 65-75.	9.7	92
38	Multiple Functions of Saccharomyces cerevisiae Splicing Protein Prp24 in U6 RNA Structural Rearrangements. Genetics, 1999, 153, 1205-1218.	2.9	31
39	Lethal Mutations in a Yeast U6 RNA Gene B Block Promoter Element Identify Essential Contacts with Transcription Factor-IIIC. Journal of Biological Chemistry, 1995, 270, 11398-11405.	3.4	22
40	Splicing a spliceosomal RNA. Nature, 1989, 337, 14-15.	27.8	92
41	Small nuclear rnas from budding yeasts: phylogenetic comparisons reveal extensive size variation. Gene, 1989, 82, 137-144.	2.2	34
42	Spliceosomal RNA U6 is remarkably conserved from yeast to mammals. Nature, 1988, 334, 213-218.	27.8	413
43	An essential snRNA from S. cerevisiae has properties predicted for U4, including interaction with a U6-like snRNA. Cell, 1987, 50, 585-592.	28.9	112