Richard J Maraia

List of Publications by Year
in descending order

96 papers	5,056 citations	61977 43 h-index	102480 66 g-index
104 all docs	104 docs citations	104 times ranked	6367 citing authors

#	Article	IF	Citations
1	A Role for TFIIIC Transcription Factor Complex in Genome Organization. Cell, 2006, 125, 859-872.	28.9	275
2	A La-Related Protein Modulates 7SK snRNP Integrity to Suppress P-TEFb-Dependent Transcriptional Elongation and Tumorigenesis. Molecular Cell, 2008, 29, 588-599.	9.7	223
3	BCR/ABL activates mdm2 mRNA translation via the La antigen. Cancer Cell, 2003, 3, 145-160.	16.8	199
4	Transcriptional regulation and transpositional selection of active SINE sequences. Current Opinion in Genetics and Development, 1992, 2, 874-882.	3.3	163
5	Alu transcripts: cytoplasmic localisation and regulation by DNA methylation. Nucleic Acids Research, 1994, 22, 1087-1095.	14.5	152
6	Conserved and divergent features of the structure and function of La and La-related proteins (LARPs). Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2010, 1799, 365-378.	1.9	128
7	Defective i6A37 Modification of Mitochondrial and Cytosolic tRNAs Results from Pathogenic Mutations in TRIT1 and Its Substrate tRNA. PLoS Genetics, 2014, 10, e1004424.	3.5	112
8	Transcription termination factor La is also an initiation factor for RNA polymerase III.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 3383-3387.	7.1	111
9	Phosphorylation of the Human La Antigen on Serine 366 Can Regulate Recycling of RNA Polymerase III Transcription Complexes. Cell, 1997, 88, 707-715.	28.9	111
10	5â€² Processing of tRNA Precursors Can Be Modulated by the Human La Antigen Phosphoprotein. Molecular and Cellular Biology, 1998, 18, 3201-3211.	2.3	110
11	Recognition of Nascent RNA by the Human La Antigen: Conserved and Divergent Features of Structure and Function. Molecular and Cellular Biology, 2001, 21, 367-379.	2.3	109
12	Differential Phosphorylation and Subcellular Localization of La RNPs Associated with Precursor tRNAs and Translation-Related mRNAs. Molecular Cell, 2003, 12, 1301-1307.	9.7	109
13	3â€² processing of eukaryotic precursor tRNAs. Wiley Interdisciplinary Reviews RNA, 2011, 2, 362-375.	6.4	107
14	The <scp>La</scp> and related <scp>RNA</scp>â€binding proteins (LARPs): structures, functions, and evolving perspectives. Wiley Interdisciplinary Reviews RNA, 2017, 8, e1430.	6.4	99
15	Transcription termination by the eukaryotic RNA polymerase III. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2013, 1829, 318-330.	1.9	98
16	Control of Transfer RNA Maturation by Phosphorylation of the Human La Antigen on Serine 366. Molecular Cell, 2000, 6, 339-348.	9.7	92
17	A conserved mechanism of TOR-dependent RCK-mediated mRNA degradation regulatesÂautophagy. Nature Cell Biology, 2015, 17, 930-942.	10.3	91
18	La-Related Protein 4 Binds Poly(A), Interacts with the Poly(A)-Binding Protein MLLE Domain via a Variant PAM2w Motif, and Can Promote mRNA Stability. Molecular and Cellular Biology, 2011, 31, 542-556.	2.3	89

#	Article	IF	Citations
19	RNA Polymerase III Output Is Functionally Linked to tRNA Dimethyl-G26 Modification. PLoS Genetics, 2015, 11, e1005671.	3.5	81
20	Mechanism of Transcription Termination by RNA Polymerase III Utilizes a Non-template Strand Sequence-Specific Signal Element. Molecular Cell, 2015, 58, 1124-1132.	9.7	80
21	RNA Polymerase III Advances: Structural and tRNA Functional Views. Trends in Biochemical Sciences, 2016, 41, 546-559.	7.5	78
22	A novel perivascular cell population in the zebrafish brain. ELife, 2017, 6, .	6.0	77
23	Separate RNA-binding surfaces on the multifunctional La protein mediate distinguishable activities in tRNA maturation. Nature Structural and Molecular Biology, 2006, 13, 611-618.	8.2	76
24	The subset of mouse B1 (Alu-equivalent) sequences expressed as small processed cytoplasmic transcripts. Nucleic Acids Research, 1991, 19, 5695-5702.	14.5	74
25	Transcription Termination by RNA Polymerase III in Fission Yeast. Journal of Biological Chemistry, 2000, 275, 29076-29081.	3.4	71
26	Lack of tRNA Modification Isopentenyl-A37 Alters mRNA Decoding and Causes Metabolic Deficiencies in Fission Yeast. Molecular and Cellular Biology, 2013, 33, 2918-2929.	2.3	65
27	Comparative overview of RNA polymerase II and III transcription cycles, with focus on RNA polymerase III termination and reinitiation. Transcription, 2014, 5, e27369.	3.1	65
28	Evolving specificity of tRNA 3-methyl-cytidine-32 (m³C32) modification: a subset of tRNAs^{Ser} requires N⁶-isopentenylation of A37. Rna, 2016, 22, 1400-1410.	3.5	64
29	Aberrant Nuclear Trafficking of La Protein Leads to Disordered Processing of Associated Precursor tRNAs. Molecular Cell, 2002, 9, 1113-1123.	9.7	63
30	Mutation of RNA Pol III Subunit rpc2/polr3b Leads to Deficiency of Subunit Rpc11 and Disrupts Zebrafish Digestive Development. PLoS Biology, 2007, 5, e312.	5.6	63
31	Widespread Use of TATA Elements in the Core Promoters for RNA Polymerases III, II, and I in Fission Yeast. Molecular and Cellular Biology, 2001, 21, 6870-6881.	2.3	62
32	CK2 Is Responsible for Phosphorylation of Human La Protein Serine-366 and Can Modulate rpL37 5â€²-Terminal Oligopyrimidine mRNA Metabolism. Molecular and Cellular Biology, 2004, 24, 9580-9591.	2.3	62
33	Precursor-product discrimination by La protein during tRNA metabolism. Nature Structural and Molecular Biology, 2009, 16, 430-437.	8.2	57
34	Mutations in the RNA Polymerase III Subunit Rpc11p That Decrease RNA 3â€² Cleavage Activity Increase 3â€²-Terminal Oligo(U) Length and La-Dependent tRNA Processing. Molecular and Cellular Biology, 2005, 25, 621-636.	2.3	56
35	Global â€˜bootprintingâ€™ reveals the elastic architecture of the yeast TFIIIBâ€“TFIIIC transcription complex in vivo. Nucleic Acids Research, 2013, 41, 8135-8143.	14.5	55
36	The Multifunctional RNA-Binding Protein La Is Required for Mouse Development and for the Establishment of EmbryonicStem Cells. Molecular and Cellular Biology, 2006, 26, 1445-1451.	2.3	53

#	Article	IF	Citations
37	Cellular La Protein Shields Nonsegmented Negative-Strand RNA Viral Leader RNA from RIG-I and Enhances Virus Growth by Diverse Mechanisms. Journal of Virology, 2008, 82, 7977-7987.	3.4	53
38	tRNA gene copy number variation in humans. Gene, 2014, 536, 376-384.	2.2	52
39	Monomeric scAlu and nascent dimeric Alu RNAs induced by adenovirus are assembled into SRP9/14-containing RNPs in HeLa cells. Nucleic Acids Research, 1996, 24, 4165-4170.	14.5	51
40	The La Protein-RNA Complex Surfaces. Molecular Cell, 2006, 21, 149-152.	9.7	49
41	Human Signal Recognition Particle (SRP) Alu-associated Protein Also Binds Alu Interspersed Repeat Sequence RNAs. Journal of Biological Chemistry, 1995, 270, 10179-10186.	3.4	47
42	Human La is found at RNA polymerase III-transcribed genes in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18350-18355.	7.1	47
43	tRNAomics: tRNA gene copy number variation and codon use provide bioinformatic evidence of a new anticodon:codon wobble pair in a eukaryote. Rna, 2012, 18, 1358-1372.	3.5	47
44	The human Y4 small cytoplasmic RNA gene is controlled by upstream elements and resides on chromosome 7 with all other hY scRNA genes. Nucleic Acids Research, 1994, 22, 3045-3052.	14.5	43
45	Heterodimer SRP9/14 is an integral part of the neural BC200 RNP in primate brain. Neuroscience Letters, 1998, 245, 123-126.	2.1	43
46	LARP4 mRNA codon-tRNA match contributes to LARP4 activity for ribosomal protein mRNA poly(A) tail length protection. ELife, 2017, 6, .	6.0	43
47	La protein and its associated small nuclear and nucleolar precursor RNAs. Gene Expression, 2002, 10, 41-57.	1.2	43
48	Human Cells Have a Limited Set of tRNA Anticodon Loop Substrates of the tRNA Isopentenyltransferase TRIT1 Tumor Suppressor. Molecular and Cellular Biology, 2013, 33, 4900-4908.	2.3	42
49	Plasticity and diversity of tRNA anticodon determinants of substrate recognition by eukaryotic A37 isopentenyltransferases. Rna, 2011, 17, 1846-1857.	3.5	40
50	La Protein and the Trafficking of Nascent RNA Polymerase III Transcripts. Journal of Cell Biology, 2001, 153, F13-F18.	5.2	38
51	A chromosome 17q de novo paracentric inversion in a patient with campomelic dysplasia; case report and etiologic hypothesis. Clinical Genetics, 1991, 39, 401-408.	2.0	38
52	RNA polymerase III mutants in TFIIFÎ±-like C37 that cause terminator readthrough with no decrease in transcription output. Nucleic Acids Research, 2013, 41, 139-155.	14.5	38
53	Nonphosphorylated Human La Antigen Interacts with Nucleolin at Nucleolar Sites Involved in rRNA Biogenesis. Molecular and Cellular Biology, 2004, 24, 10894-10904.	2.3	37
54	Point mutations in the Rpb9-homologous domain of Rpc11 that impair transcription termination by RNA polymerase III. Nucleic Acids Research, 2011, 39, 6100-6113.	14.5	35

#	Article	IF	Citations
55	A call for direct sequencing of full-length RNAs to identify all modifications. Nature Genetics, 2021, 53, 1113-1116.	21.4	33
56	Conservation of a Masked Nuclear Export Activity of La Proteins and Its Effects on tRNA Maturation. Molecular and Cellular Biology, 2007, 27, 3303-3312.	2.3	31
57	Lack of tRNA-i6A modification causes mitochondrial-like metabolic deficiency in S. pombe by limiting activity of cytosolic tRNA^{Tyr}, not mito-tRNA. Rna, 2016, 22, 583-596.	3.5	30
58	FactorsÂThatÂShapeÂEukaryoticÂtRNAomes:Â Processing,ÂModificationÂandÂAnticodonâ€“CodonÂUse. Biomolecules, 2017, 7, 26.	4.0	30
59	Terminator-specific Recycling of a B1-AluTranscription Complex by RNA Polymerase III Is Mediated by the RNA Terminus-binding Protein La. Journal of Biological Chemistry, 1998, 273, 26110-26116.	3.4	28
60	Different types of secondary information in the genetic code. Rna, 2014, 20, 977-984.	3.5	28
61	Distinguishing Core and Holoenzyme Mechanisms of Transcription Termination by RNA Polymerase III. Molecular and Cellular Biology, 2013, 33, 1571-1581.	2.3	27
62	Isolation and Cloning of Four Subunits of a Fission Yeast TFIIIC Complex That Includes an Ortholog of the Human Regulatory Protein TFIIICÎ². Journal of Biological Chemistry, 2000, 275, 31480-31487.	3.4	26
63	A highly conserved nucleotide in the Alu domain of SRP RNA mediates translation arrest through high affinity binding to SRP9/14. Nucleic Acids Research, 1997, 25, 1117-1122.	14.5	25
64	Targeted Deletion of the Gene Encoding the La Autoantigen (SjÃ¶gren's Syndrome Antigen B) in B Cells or the Frontal Brain Causes Extensive Tissue Loss. Molecular and Cellular Biology, 2014, 34, 123-131.	2.3	24
65	La involvement in tRNA and other RNA processing events including differences among yeast and other eukaryotes. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2018, 1861, 361-372.	1.9	24
66	RNA polymerase III subunits C37/53 modulate rU:dA hybrid 3â€² end dynamics during transcription termination. Nucleic Acids Research, 2019, 47, 310-327.	14.5	24
67	Single molecule poly(A) tail-seq shows LARP4 opposes deadenylation throughout mRNA lifespan with most impact on short tails. ELife, 2020, 9, .	6.0	24
68	Altered nuclear tRNA metabolism in La-deletedSchizosaccharomyces pombeis accompanied by a nutritional stress response involving Atf1p and Pcr1p that is suppressible by Xpo-t/Los1p. Molecular Biology of the Cell, 2012, 23, 480-491.	2.1	21
69	The nuclear and cytoplasmic activities of RNA polymerase III, and an evolving transcriptome for surveillance. Nucleic Acids Research, 2021, 49, 12017-12034.	14.5	21
70	Comparative whole genome sequencing reveals phenotypic tRNA gene duplication in spontaneous Schizosaccharomyces pombe La mutants. Nucleic Acids Research, 2011, 39, 4728-4742.	14.5	20
71	Methylphosphate Cap Structure in Small RNAs Reduces the Affinity of RNAs to La Protein. Gene Expression, 2002, 10, 243-253.	1.2	20
72	Comment on â€œMechanism of eukaryotic RNA polymerase III transcription terminationâ€. Science, 2014, 345, 524-524.	12.6	19

#	Article	IF	Citations
73	The isolated La-module of LARP1 mediates 3â€™ poly(A) protection and mRNA stabilization, dependent on its intrinsic PAM2 binding to PABPC1. RNA Biology, 2021, 18, 275-289.	3.1	18
74	A methods review on use of nonsense suppression to study 3â€² end formation and other aspects of tRNA biogenesis. Gene, 2015, 556, 35-50.	2.2	17
75	LARP1 and LARP4: up close with PABP for mRNA 3â€™ poly(A) protection and stabilization. RNA Biology, 2021, 18, 259-274.	3.1	16
76	Active Center Control of Termination by RNA Polymerase III and tRNA Gene Transcription Levels In Vivo. PLoS Genetics, 2016, 12, e1006253.	3.5	15
77	Mouse and Human La Proteins Differ in Kinase Substrate Activity and Activation Mechanism for tRNA Processing. Gene Expression, 2007, 14, 71-81.	1.2	13
78	A transcriptional specialist resolved. Nature, 2015, 528, 204-205.	27.8	13
79	Mechanism of RNA polymerase III termination-associated reinitiation-recycling conferred by the essential function of the N terminal-and-linker domain of the C11 subunit. Nature Communications, 2021, 12, 5900.	12.8	13
80	It's a mod mod tRNA world. Nature Chemical Biology, 2008, 4, 162-164.	8.0	12
81	Targeting mitochondrial and cytosolic substrates of TRIT1 isopentenyltransferase: Specificity determinants and tRNA-i6A37 profiles. PLoS Genetics, 2020, 16, e1008330.	3.5	12
82	Construction of FLAG and histidine tagging vectors forSchizosaccharomyces pombe. Yeast, 2001, 18, 463-468.	1.7	11
83	TOR-dependent post-transcriptional regulation of autophagy. Autophagy, 2015, 11, 2390-2392.	9.1	11
84	LARP4 Is Regulated by Tumor Necrosis Factor Alpha in a Tristetraprolin-Dependent Manner. Molecular and Cellular Biology, 2016, 36, 574-584.	2.3	10
85	Transcriptome-wide stability analysis uncovers LARP4-mediated NFÎºB1 mRNA stabilization during TÂcell activation. Nucleic Acids Research, 2020, 48, 8724-8739.	14.5	10
86	The fission yeast TFIIB-related factor limits RNA polymerase III to a TATA-dependent pathway of TBP recruitment. Nucleic Acids Research, 2003, 31, 2108-2116.	14.5	9
87	A high density of cis-information terminates RNA Polymerase III on a 2-rail track. RNA Biology, 2016, 13, 166-171.	3.1	9
88	La Deletion from Mouse Brain Alters Pre-tRNA Metabolism and Accumulation of Pre-5.8S rRNA, with Neuron Death and Reactive Astrocytosis. Molecular and Cellular Biology, 2017, 37, .	2.3	8
89	Biochemical Analysis of Transcription Termination by RNA Polymerase III from Yeast Saccharomyces cerevisiae. Methods in Molecular Biology, 2015, 1276, 185-198.	0.9	7
90	The conserved 7SK snRNA gene localizes to human chromosome 6 by homolog exclusion probing of somatic cell hybrid RNA. Nucleic Acids Research, 1994, 22, 722-725.	14.5	6

#	Article	IF	Citations
91	A versatile tRNA modification-sensitive northern blot method with enhanced performance. Rna, 2022, 28, 418-432.	3.5	6
92	RNA Polymerase III from the Fission Yeast, Schizosaccharomyces pombe. Methods in Enzymology, 2003, 370, 165-173.	1.0	4
93	Human manganese superoxide dismutase is readily detectable by a copper blotting technique. Biochemical Medicine and Metabolic Biology, 1991, 46, 406-415.	0.7	3
94	Itâ€™s Snoâ€™ing on Pol III at nuclear pores. Genome Biology, 2013, 14, 137.	9.6	2
95	The leucine-NH4+ uptake regulator Any1 limits growth as part of a general amino acid control response to loss of La protein by fission yeast. PLoS ONE, 2021, 16, e0253494.	2.5	2
96	Single-molecule polyadenylated tail sequencing (SM-PAT-Seq) to measure polyA tail lengths transcriptome-wide. Methods in Enzymology, 2021, 655, 119-137.	1.0	2