Bin Tian

List of Publications by Year
in descending order

181 papers	15,425 citations	18482 62 h-index	20961 115 g-index
189 all docs	189 docs citations	189 times ranked	18716 citing authors

#	Article	IF	Citations
1	Sirt1 Regulates Aging and Resistance to Oxidative Stress in the Heart. Circulation Research, 2007, 100, 1512-1521.	4.5	977
2	A large-scale analysis of mRNA polyadenylation of human and mouse genes. Nucleic Acids Research, 2005, 33, 201-212.	14.5	854
3	Alternative polyadenylation of mRNA precursors. Nature Reviews Molecular Cell Biology, 2017, 18, 18-30.	37.0	848
4	Mutant p53 Disrupts Mammary Tissue Architecture via the Mevalonate Pathway. Cell, 2012, 148, 244-258.	28.9	736
5	Progressive lengthening of 3â€² untranslated regions of mRNAs by alternative polyadenylation during mouse embryonic development. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7028-7033.	7.1	545
6	<scp>RNA</scp>â€Seq methods for transcriptome analysis. Wiley Interdisciplinary Reviews RNA, 2017, 8, e1364.	6.4	433
7	Analysis of alternative cleavage and polyadenylation by 3â€² region extraction and deep sequencing. Nature Methods, 2013, 10, 133-139.	19.0	386
8	Alternative cleavage and polyadenylation: the long and short of it. Trends in Biochemical Sciences, 2013, 38, 312-320.	7.5	297
9	Biased alternative polyadenylation in human tissues. Genome Biology, 2005, 6, R100.	9.6	261
10	A deletion mutation in TaHRC confers Fhb1 resistance to Fusarium head blight in wheat. Nature Genetics, 2019, 51, 1099-1105.	21.4	258
11	Reprogramming of 3â€² Untranslated Regions of mRNAs by Alternative Polyadenylation in Generation of Pluripotent Stem Cells from Different Cell Types. PLoS ONE, 2009, 4, e8419.	2.5	245
12	The double-stranded-RNA-binding motif: interference and much more. Nature Reviews Molecular Cell Biology, 2004, 5, 1013-1023.	37.0	229
13	Characterization of the Mouse IFN-Î» Ligand-Receptor System: IFN-Î»s Exhibit Antitumor Activity against B16 Melanoma. Cancer Research, 2006, 66, 4468-4477.	0.9	229
14	Expanded CUG repeat RNAs form hairpins that activate the double-stranded RNA-dependent protein kinase PKR. Rna, 2000, 6, 79-87.	3.5	225
15	Systematic Profiling of Poly(A)+ Transcripts Modulated by Core 3â€™ End Processing and Splicing Factors Reveals Regulatory Rules of Alternative Cleavage and Polyadenylation. PLoS Genetics, 2015, 11, e1005166.	3.5	217
16	Bioinformatic identification of candidate cis-regulatory elements involved in human mRNA polyadenylation. Rna, 2005, 11, 1485-1493.	3.5	212
17	Signals for preâ€mRNA cleavage and polyadenylation. Wiley Interdisciplinary Reviews RNA, 2012, 3, 385-396.	6.4	192
18	Widespread mRNA polyadenylation events in introns indicate dynamic interplay between polyadenylation and splicing. Genome Research, 2007, 17, 156-165.	5.5	184

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19	PPARÎ±-Sirt1 Complex Mediates Cardiac Hypertrophy and Failure through Suppression of the ERR Transcriptional Pathway. Cell Metabolism, 2011, 14, 598-611.	16.2	173
20	PolyA_DB 3 catalogs cleavage and polyadenylation sites identified by deep sequencing in multiple genomes. Nucleic Acids Research, 2018, 46, D315-D319.	14.5	172
21	Binding of Double-stranded RNA to Protein Kinase PKR Is Required for Dimerization and Promotes Critical Autophosphorylation Events in the Activation Loop. Journal of Biological Chemistry, 2001, 276, 24946-24958.	3.4	165
22	PolyA_DB 2: mRNA polyadenylation sites in vertebrate genes. Nucleic Acids Research, 2007, 35, D165-D168.	14.5	156
23	Increased Oxidative Stress in the Nucleus Caused by Nox4 Mediates Oxidation of HDAC4 and Cardiac Hypertrophy. Circulation Research, 2013, 112, 651-663.	4.5	154
24	Nuclei and subnuclei gene expression profiling in mammalian brain. Brain Research, 2002, 943, 38-47.	2.2	151
25	U1 snRNP regulates chromatin retention of noncoding RNAs. Nature, 2020, 580, 147-150.	27.8	150
26	Association between gene expression profile and tumor invasion in oral squamous cell carcinoma. Cancer Genetics and Cytogenetics, 2004, 154, 27-35.	1.0	148
27	A post-translational regulatory switch on UPF1 controls targeted mRNA degradation. Genes and Development, 2014, 28, 1900-1916.	5.9	148
28	Mediator Complex Regulates Alternative mRNA Processing via the MED23 Subunit. Molecular Cell, 2012, 45, 459-469.	9.7	145
29	A Translation-Activating Function of MIWI/piRNA during Mouse Spermiogenesis. Cell, 2019, 179, 1566-1581.e16.	28.9	136
30	miR-206 Mediates YAP-Induced Cardiac Hypertrophy and Survival. Circulation Research, 2015, 117, 891-904.	4.5	133
31	Distinct roles of GSK-3Î± and GSK-3Î² phosphorylation in the heart under pressure overload. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20900-20905.	7.1	129
32	Roles for the Human ATP-dependent Lon Protease in Mitochondrial DNA Maintenance*. Journal of Biological Chemistry, 2007, 282, 17363-17374.	3.4	122
33	Systematic Analysis of Cis-Elements in Unstable mRNAs Demonstrates that CUGBP1 Is a Key Regulator of mRNA Decay in Muscle Cells. PLoS ONE, 2010, 5, e11201.	2.5	122
34	Highly sensitive sequencing reveals dynamic modifications and activities of small RNAs in mouse oocytes and early embryos. Science Advances, 2016, 2, e1501482.	10.3	122
35	Mutant p53 cooperates with the SWI/SNF chromatin remodeling complex to regulate VEGFR2 in breast cancer cells. Genes and Development, 2015, 29, 1298-1315.	5.9	115
36	Prediction of mRNA polyadenylation sites by support vector machine. Bioinformatics, 2006, 22, 2320-2325.	4.1	111

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37	Transcriptional activity regulates alternative cleavage and polyadenylation. Molecular Systems Biology, 2011, 7, 534.	7.2	111
38	STAU1 binding 3â€² UTR IRAlus complements nuclear retention to protect cells from PKR-mediated translational shutdown. Genes and Development, 2013, 27, 1495-1510.	5.9	109
39	Cellular stress alters 3â€²UTR landscape through alternative polyadenylation and isoform-specific degradation. Nature Communications, 2018, 9, 2268.	12.8	104
40	NF2 Activates Hippo Signaling and Promotes Ischemia/Reperfusion Injury in the Heart. Circulation Research, 2016, 119, 596-606.	4.5	103
41	PolyA_DB: a database for mammalian mRNA polyadenylation. Nucleic Acids Research, 2004, 33, D116-D120.	14.5	102
42	Cleavage Site Selection within a Folded Substrate by the ATP-dependent Lon Protease*. Journal of Biological Chemistry, 2005, 280, 25103-25110.	3.4	100
43	Phylogenetic analysis of mRNA polyadenylation sites reveals a role of transposable elements in evolution of the 3â€²-end of genes. Nucleic Acids Research, 2008, 36, 5581-5590.	14.5	100
44	H11 Kinase/Heat Shock Protein 22 Deletion Impairs Both Nuclear and Mitochondrial Functions of STAT3 and Accelerates the Transition Into Heart Failure on Cardiac Overload. Circulation, 2011, 124, 406-415.	1.6	98
45	An Mtr4/ZFC3H1 complex facilitates turnover of unstable nuclear RNAs to prevent their cytoplasmic transport and global translational repression. Genes and Development, 2017, 31, 1257-1271.	5.9	98
46	Gene editing of the wheat homologs of <scp>TONNEAU</scp>1â€recruiting motif encoding gene affects grain shape and weight in wheat. Plant Journal, 2019, 100, 251-264.	5.7	97
47	Dorsal root ganglion transcriptome analysis following peripheral nerve injury in mice. Molecular Pain, 2016, 12, 174480691662904.	2.1	90
48	ALYREF mainly binds to the 5â€² and the 3â€² regions of the mRNA in vivo. Nucleic Acids Research, 2017, 45, 9640-9653.	14.5	87
49	hnRNPC regulates cancer-specific alternative cleavage and polyadenylation profiles. Nucleic Acids Research, 2019, 47, 7580-7591.	14.5	86
50	Paf1C regulates RNA polymerase II progression by modulating elongation rate. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14583-14592.	7.1	83
51	Loss of polyadenylation protein Ï„CstF-64 causes spermatogenic defects and male infertility. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20374-20379.	7.1	82
52	Hippo Deficiency Leads to Cardiac Dysfunction Accompanied by Cardiomyocyte Dedifferentiation During Pressure Overload. Circulation Research, 2019, 124, 292-305.	4.5	82
53	A compendium of conserved cleavage and polyadenylation events in mammalian genes. Genome Research, 2018, 28, 1427-1441.	5.5	81
54	Alternative polyadenylation of cyclooxygenase-2. Nucleic Acids Research, 2005, 33, 2565-2579.	14.5	80

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55	Functional Characterization of and Cooperation between the Double-stranded RNA-binding Motifs of the Protein Kinase PKR. Journal of Biological Chemistry, 2001, 276, 9936-9944.	3.4	78
56	A functional human Poly(A) site requires only a potent DSE and an A-rich upstream sequence. EMBO Journal, 2010, 29, 1523-1536.	7.8	78
57	Tudor-SNâ€“mediated endonucleolytic decay of human cell microRNAs promotes G ₁ /S phase transition. Science, 2017, 356, 859-862.	12.6	77
58	Regulation of Intronic Polyadenylation by PCF11 Impacts mRNA Expression of Long Genes. Cell Reports, 2019, 26, 2766-2778.e6.	6.4	77
59	Glycogen Synthase Kinase-3Î± Promotes Fatty Acid Uptake and Lipotoxic Cardiomyopathy. Cell Metabolism, 2019, 29, 1119-1134.e12.	16.2	77
60	RBBP6 isoforms regulate the human polyadenylation machinery and modulate expression of mRNAs with AU-rich 3â€² UTRs. Genes and Development, 2014, 28, 2248-2260.	5.9	76
61	Transcriptome 3â€²end organization by PCF11 links alternative polyadenylation to formation and neuronal differentiation of neuroblastoma. Nature Communications, 2018, 9, 5331.	12.8	75
62	Global Analysis of Pub1p Targets Reveals a Coordinate Control of Gene Expression through Modulation of Binding and Stability. Molecular and Cellular Biology, 2005, 25, 5499-5513.	2.3	73
63	Endogenous Muscle Atrophy F-Box Mediates Pressure Overloadâ€“Induced Cardiac Hypertrophy Through Regulation of Nuclear Factor-ÎºB. Circulation Research, 2011, 109, 161-171.	4.5	72
64	Alternative cleavage and polyadenylation in spermatogenesis connects chromatin regulation with post-transcriptional control. BMC Biology, 2016, 14, 6.	3.8	72
65	Subcellular RNA profiling links splicing and nuclear DICER1 to alternative cleavage and polyadenylation. Genome Research, 2016, 26, 24-35.	5.5	70
66	Analysis of C. elegans intestinal gene expression and polyadenylation by fluorescence-activated nuclei sorting and 3â€²-end-seq. Nucleic Acids Research, 2012, 40, 6304-6318.	14.5	69
67	Comparative Analysis of mRNA Isoform Expression in Cardiac Hypertrophy and Development Reveals Multiple Post-Transcriptional Regulatory Modules. PLoS ONE, 2011, 6, e22391.	2.5	65
68	Mediator MED23 plays opposing roles in directing smooth muscle cell and adipocyte differentiation. Genes and Development, 2012, 26, 2192-2205.	5.9	63
69	3â€²READS+, a sensitive and accurate method for 3â€² end sequencing of polyadenylated RNA. Rna, 2016, 22, 1631-1639.	3.5	62
70	The evolution and expression of the snaR family of small non-coding RNAs. Nucleic Acids Research, 2011, 39, 1485-1500.	14.5	59
71	Hepatitis C Virus Envelope Protein E2 Does Not Inhibit PKR by Simple Competition with Autophosphorylation Sites in the RNA-Binding Domain. Journal of Virology, 2001, 75, 1265-1273.	3.4	58
72	Star-PAP Control of BIK Expression and Apoptosis Is Regulated by Nuclear PIPKIÎ± and PKCÎ´ Signaling. Molecular Cell, 2012, 45, 25-37.	9.7	57

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73	Genome-wide identification of soybean microRNA responsive to soybean cyst nematodes infection by deep sequencing. BMC Genomics, 2017, 18, 572.	2.8	56
74	PAF Complex Plays Novel Subunit-Specific Roles in Alternative Cleavage and Polyadenylation. PLoS Genetics, 2016, 12, e1005794.	3.5	55
75	Control of embryonic stem cell self-renewal and differentiation via coordinated alternative splicing and translation of YY2. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12360-12367.	7.1	54
76	Transcription elongation rate has a tissue-specific impact on alternative cleavage and polyadenylation in Drosophila melanogaster. Rna, 2017, 23, 1807-1816.	3.5	53
77	Tid1, a Cochaperone of the Heat Shock 70 Protein and the Mammalian Counterpart of the Drosophila Tumor Suppressor l(2)tid, Is Critical for Early Embryonic Development and Cell Survival. Molecular and Cellular Biology, 2004, 24, 2226-2236.	2.3	52
78	Toward a Genome-Wide Landscape of Translational Control. Cold Spring Harbor Perspectives in Biology, 2013, 5, a012302-a012302.	5.5	50
79	Positive and negative feedback loops in the p53 and mRNA 3â€² processing pathways. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3351-3356.	7.1	50
80	Expression of a rice soluble starch synthase gene in transgenic wheat improves the grain yield under heat stress conditions. In Vitro Cellular and Developmental Biology - Plant, 2018, 54, 216-227.	2.1	50
81	Thioredoxin1 Upregulates Mitochondrial Proteins Related to Oxidative Phosphorylation and TCA Cycle in the Heart. Antioxidants and Redox Signaling, 2006, 8, 1635-1650.	5.4	47
82	The PARN Deadenylase Targets a Discrete Set of mRNAs for Decay and Regulates Cell Motility in Mouse Myoblasts. PLoS Genetics, 2012, 8, e1002901.	3.5	47
83	Alternative Polyadenylation in Triple-Negative Breast Tumors Allows NRAS and c-JUN to Bypass PUMILIO Posttranscriptional Regulation. Cancer Research, 2016, 76, 7231-7241.	0.9	47
84	A method for aligning RNA secondary structures and its application to RNA motif detection. BMC Bioinformatics, 2005, 6, 89.	2.6	46
85	The Nrd1-like protein Seb1 coordinates cotranscriptional 3â€² end processing and polyadenylation site selection. Genes and Development, 2016, 30, 1558-1572.	5.9	46
86	ALS/FTD-associated protein FUS induces mitochondrial dysfunction by preferentially sequestering respiratory chain complex mRNAs. Genes and Development, 2020, 34, 785-805.	5.9	46
87	RNA-Binding Proteins in Regulation of Alternative Cleavage and Polyadenylation. Advances in Experimental Medicine and Biology, 2014, 825, 97-127.	1.6	45
88	Repetitive Ischemia by Coronary Stenosis Induces a Novel Window of Ischemic Preconditioning. Circulation, 2008, 118, 1961-1969.	1.6	44
89	The Conserved Intronic Cleavage and Polyadenylation Site of CstF-77 Gene Imparts Control of 3â€² End Processing Activity through Feedback Autoregulation and by U1 snRNP. PLoS Genetics, 2013, 9, e1003613.	3.5	44
90	APAlyzer: a bioinformatics package for analysis of alternative polyadenylation isoforms. Bioinformatics, 2020, 36, 3907-3909.	4.1	44

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91	Sex-specific regulation of gene expression in the aging monkey aorta. Physiological Genomics, 2007, 29, 169-180.	2.3	43
92	Ablation of sarcolipin results in atrial remodeling. American Journal of Physiology - Cell Physiology, 2012, 302, C1762-C1771.	4.6	42
93	Novel mouse models of oculopharyngeal muscular dystrophy (OPMD) reveal early onset mitochondrial defects and suggest loss of PABPN1 may contribute to pathology. Human Molecular Genetics, 2017, 26, 3235-3252.	2.9	42
94	Two Gamma Interferon-Activated Site-Like Elements in the Human Cytomegalovirus Major Immediate-Early Promoter/Enhancer Are Important for Viral Replication. Journal of Virology, 2005, 79, 5035-5046.	3.4	41
95	Global analysis reveals multiple pathways for unique regulation of mRNA decay in induced pluripotent stem cells. Genome Research, 2012, 22, 1457-1467.	5.5	41
96	Allelochemicals targeted to balance competing selections in African agroecosystems. Nature Plants, 2019, 5, 1229-1236.	9.3	41
97	RNAP II CTD tyrosine 1 performs diverse functions in vertebrate cells. ELife, 2014, 3, e02112.	6.0	41
98	Comparative analysis of alternative polyadenylation in S. cerevisiae and S. pombe. Genome Research, 2017, 27, 1685-1695.	5.5	40
99	Activity-Dependent Regulation of Alternative Cleavage and Polyadenylation During Hippocampal Long-Term Potentiation. Scientific Reports, 2017, 7, 17377.	3.3	38
100	An intronic polyadenylation site in human and mouse CstF-77 genes suggests an evolutionarily conserved regulatory mechanism. Gene, 2006, 366, 325-334.	2.2	37
101	Molecular mechanisms mediating preconditioning following chronic ischemia differ from those in classical second window. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H752-H762.	3.2	36
102	A post-transcriptional mechanism pacing expression of neural genes with precursor cell differentiation status. Nature Communications, 2015, 6, 7576.	12.8	36
103	Intronic cleavage and polyadenylation regulates gene expression during DNA damage response through U1 snRNA. Cell Discovery, 2016, 2, 16013.	6.7	36
104	Biochemical characterization of a cinnamoyl-CoA reductase from wheat. Biological Chemistry, 2005, 386, 553-60.	2.5	35
105	Common mechanism of transcription termination at coding and noncoding RNA genes in fission yeast. Nature Communications, 2018, 9, 4364.	12.8	35
106	The mRNA Export Receptor NXF1 Coordinates Transcriptional Dynamics, Alternative Polyadenylation, and mRNA Export. Molecular Cell, 2019, 74, 118-131.e7.	9.7	34
107	SETX (senataxin), the helicase mutated in AOA2 and ALS4, functions in autophagy regulation. Autophagy, 2021, 17, 1889-1906.	9.1	34
108	Widespread transcript shortening through alternative polyadenylation in secretory cell differentiation. Nature Communications, 2020, 11, 3182.	12.8	34

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109	An Ideal PPAR Response Element Bound to and Activated by PPARÎ±. PLoS ONE, 2015, 10, e0134996.	2.5	33
110	MPK1/SLT2 Links Multiple Stress Responses with Gene Expression in Budding Yeast by Phosphorylating Tyr1 of the RNAP II CTD. Molecular Cell, 2017, 68, 913-925.e3.	9.7	32
111	Granulin and Granulin Repeats Interact with the TatÂ·P-TEFb Complex and Inhibit Tat Transactivation. Journal of Biological Chemistry, 2005, 280, 13648-13657.	3.4	31
112	Alternative polyadenylation of MeCP2: influence of cis-acting elements and trans-acting factors. RNA Biology, 2010, 7, 361-372.	3.1	31
113	Distinct regulation of alternative polyadenylation and gene expression by nuclear poly(A) polymerases. Nucleic Acids Research, 2017, 45, 8930-8942.	14.5	31
114	<scp>ALYREF</scp> links 3â€²â€end processing to nuclear export of nonâ€polyadenylated <scp>mRNA</scp> s. EMBO Journal, 2019, 38, .	7.8	30
115	Search of the human proteome for endomorphin-1 and endomorphin-2 precursor proteins. Life Sciences, 2007, 81, 1593-1601.	4.3	29
116	Suppression of ERR targets by a PPARÎ±/Sirt1 complex in the failing heart. Cell Cycle, 2012, 11, 856-864.	2.6	29
117	Salmonid microarrays identify intestinal genes that reliably monitor P deficiency in rainbow trout aquaculture. Animal Genetics, 2007, 38, 319-331.	1.7	28
118	Analysis of alternative cleavage and polyadenylation in mature and differentiating neurons using RNAâ€seq data. Quantitative Biology, 2018, 6, 253-266.	0.5	28
119	Common mechanisms for calorie restriction and adenylyl cyclase type 5 knockout models of longevity. Aging Cell, 2012, 11, 1110-1120.	6.7	27
120	The Ï„CstF-64 Polyadenylation Protein Controls Genome Expression in Testis. PLoS ONE, 2012, 7, e48373.	2.5	26
121	Threonine-4 of the budding yeast RNAP II CTD couples transcription with Htz1-mediated chromatin remodeling. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11924-11931.	7.1	26
122	The C9ORF72 Gene, Implicated in Amyotrophic Lateral Sclerosis and Frontotemporal Dementia, Encodes a Protein That Functions in Control of Endothelin and Glutamate Signaling. Molecular and Cellular Biology, 2018, 38, .	2.3	26
123	Characterization of a Novel Cardiac Isoform of the Cell Cycle-related Kinase That Is Regulated during Heart Failure. Journal of Biological Chemistry, 2008, 283, 22157-22165.	3.4	23
124	Host-Derived Artificial MicroRNA as an Alternative Method to Improve Soybean Resistance to Soybean Cyst Nematode. Genes, 2016, 7, 122.	2.4	23
125	KDM5 lysine demethylases are involved in maintenance of 3â€²UTR length. Science Advances, 2016, 2, e1501662.	10.3	23
126	RADAR: a web server for RNA data analysis and research. Nucleic Acids Research, 2007, 35, W300-W304.	14.5	22

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127	Developmental ablation of Id1 and Id3 genes in the vasculature leads to postnatal cardiac phenotypes. Developmental Biology, 2011, 349, 53-64.	2.0	22
128	Sizing up the poly(A) tail: insights from deep sequencing. Trends in Biochemical Sciences, 2014, 39, 255-257.	7.5	20
129	Dynamic landscape of alternative polyadenylation during retinal development. Cellular and Molecular Life Sciences, 2017, 74, 1721-1739.	5.4	20
130	Accurate Mapping of Cleavage and Polyadenylation Sites by 3â€² Region Extraction and Deep Sequencing. Methods in Molecular Biology, 2014, 1125, 119-129.	0.9	20
131	ADAR1 downregulation by autophagy drives senescence independently of RNA editing by enhancing p16INK4a levels. Nature Cell Biology, 2022, 24, 1202-1210.	10.3	19
132	Thioredoxin-1 maintains mitochondrial function via mechanistic target of rapamycin signalling in the heart. Cardiovascular Research, 2020, 116, 1742-1755.	3.8	18
133	A Polymorphic 3â€™UTR Element in ATP1B1 Regulates Alternative Polyadenylation and Is Associated with Blood Pressure. PLoS ONE, 2013, 8, e76290.	2.5	17
134	Acquisition and Transmissibility of U.S. Soybean dwarf virus Isolates by the Soybean Aphid, Aphis glycines. Plant Disease, 2011, 95, 945-950.	1.4	16
135	Cardiomyocyte overexpression of the Î±_{1<scp>a</scp>}-adrenergic receptor in the rat phenocopies second but not first window preconditioning. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H1614-H1624.	3.2	16
136	Alternative mRNA Polyadenylation Can Potentially Affect Detection of Gene Expression by Affymetrix GeneChip?? Arrays. Applied Bioinformatics, 2006, 5, 249-253.	1.6	15
137	Mining small RNA structure elements in untranslated regions of human and mouse mRNAs using structure-based alignment. BMC Genomics, 2008, 9, 189.	2.8	15
138	Host-derived gene silencing of parasite fitness genes improves resistance to soybean cyst nematodes in stable transgenic soybean. Theoretical and Applied Genetics, 2019, 132, 2651-2662.	3.6	15
139	SCAPTURE: a deep learning-embedded pipeline that captures polyadenylation information from 3â€² tag-based RNA-seq of single cells. Genome Biology, 2021, 22, 221.	8.8	15
140	Cellular mRNA Activates Transcription Elongation by Displacing 7SK RNA. PLoS ONE, 2007, 2, e1010.	2.5	14
141	Mapping 3â€² mRNA Isoforms on a Genomic Scale. Current Protocols in Molecular Biology, 2015, 110, 4.23.1-4.23.17.	2.9	14
142	Regulation of gene expression by translation factor eIF5A: Hypusine-modified eIF5A enhances nonsense-mediated mRNA decay in human cells. Translation, 2017, 5, e1366294.	2.9	14
143	Are nectar guide colour changes a reliable signal to pollinators that enhances reproductive success?. Plant Ecology and Diversity, 2017, 10, 89-96.	2.4	14
144	Alternative 3â€² UTRs play a widespread role in translation-independent mRNA association with the endoplasmic reticulum. Cell Reports, 2021, 36, 109407.	6.4	14

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145	Identification of mRNA Polyadenylation Sites in Genomes Using cDNA Sequences, Expressed Sequence Tags, and Trace. Methods in Molecular Biology, 2008, 419, 23-37.	0.9	14
146	Phylogenetics and Functions of the Double-Stranded RNA-Binding Motif: A Genomic Survey. Progress in Molecular Biology and Translational Science, 2003, 74, 123-158.	1.9	13
147	Transcription termination between polo and snap, two closely spaced tandem genes of D. melanogaster. Transcription, 2012, 3, 198-212.	3.1	13
148	A complex pattern of postâ€divergence expansion, contraction, introgression, and asynchronous responses to Pleistocene climate changes in twoDipeltasister species from western China. Journal of Systematics and Evolution, 2020, 58, 247-262.	3.1	13
149	MAAPER: model-based analysis of alternative polyadenylation using 3â€² end-linked reads. Genome Biology, 2021, 22, 222.	8.8	12
150	Phylogeographic Analyses of the East Asian Endemic Genus Prinsepia and the Role of the East Asian Monsoon System in Shaping a North-South Divergence Pattern in China. Frontiers in Genetics, 2019, 10, 128.	2.3	11
151	Alternative polyadenylation dysregulation contributes to the differentiation block of acute myeloid leukemia. Blood, 2022, 139, 424-438.	1.4	11
152	Differentiation in drought tolerance mirrors the geographic distributions of alpine plants on the Qinghai-Tibet Plateau and adjacent highlands. Scientific Reports, 2017, 7, 42466.	3.3	10
153	Biolistic Transformation of Wheat. Methods in Molecular Biology, 2019, 1864, 117-130.	0.9	10
154	Identification of candidate chromosome region of Sbwm1 for Soil-borne wheat mosaic virus resistance in wheat. Scientific Reports, 2020, 10, 8119.	3.3	10
155	Characterization of a wheat histidine-containing phosphotransfer protein (HP) that is regulated by cytokinin-mediated inhibition of leaf senescence. Plant Science, 2005, 168, 1507-1514.	3.6	9
156	Metabolomic analysis of two different models of delayed preconditioning. Journal of Molecular and Cellular Cardiology, 2013, 55, 19-26.	1.9	9
157	CRISPRpas: programmable regulation of alternative polyadenylation by dCas9. Nucleic Acids Research, 2022, 50, e25-e25.	14.5	9
158	Cloning and characterization of a cDNA encoding Ran binding protein from wheat. DNA Sequence, 2006, 17, 136-142.	0.7	8
159	Global changes in gene expression during cardiac hypertrophy: A new direction of cardiac signaling research. Journal of Molecular and Cellular Cardiology, 2006, 41, 219-222.	1.9	8
160	Development and Characterization of EST-SSR Markers in Bombax ceiba (Malvaceae). Applications in Plant Sciences, 2015, 3, 1500001.	2.1	8
161	3â€²READS + RIP defines differential Staufen1 binding to alternative 3â€²UTR isoforms and reveals structures and sequence motifs influencing binding and polysome association. Rna, 2020, 26, 1621-1636.	3.5	8
162	Changes of flowering phenology and flower size in rosaceous plants from a biodiversity hotspot in the past century. Scientific Reports, 2016, 6, 28302.	3.3	7

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163	Polymorphic CUG Repeats in Human mRNAs and Their Effects on Gene Expression. RNA Biology, 2005, 2, 149-156.	3.1	6
164	Host Adaptation of Soybean Dwarf Virus Following Serial Passages on Pea (Pisum sativum) and Soybean (Glycine max). Viruses, 2017, 9, 155.	3.3	6
165	Using emerging genome data to identify conserved bone morphogenetic protein (Bmp) 2 gene expression mechanisms. , 2006, , .		5
166	Polyadenylation Site-Based Analysis of Transcript Expression by 3â€²READS+. Methods in Molecular Biology, 2017, 1648, 65-77.	0.9	5
167	A CRISPR RNA-binding protein screen reveals regulators of RUNX1 isoform generation. Blood Advances, 2021, 5, 1310-1323.	5.2	5
168	RADAR: An InteractiveWeb-Based Toolkit for RNA Data Analysis and Research. , 2006, , .		4
169	FIP1L1 Regulates Alternative Polyadenylation of Leukemia-Associated Genes in Acute Myeloid Leukemia. Blood, 2018, 132, 3882-3882.	1.4	3
170	Neuronal Cells Display Distinct Stability Controls of Alternative Polyadenylation mRNA Isoforms, Long Non-Coding RNAs, and Mitochondrial RNAs. Frontiers in Genetics, 2022, 13, .	2.3	3
171	Aphid vectors impose a major bottleneck on Soybean dwarf virus populations for horizontal transmission in soybean. Phytopathology Research, 2019, 1, .	2.4	2
172	Modulation of alternative cleavage and polyadenylation events by dCas9-mediated CRISPRpas. Methods in Enzymology, 2021, 655, 459-482.	1.0	2
173	Development and Characterization of Novel EST-SSR Markers forSperanskia tuberculata(Euphorbiaceae). Applications in Plant Sciences, 2016, 4, 1600067.	2.1	1
174	A Probability Similarity Scoring Schema Incorporating Positional Trends in Information Content for DNA Motifs Comparison. , 2012, , .		0
175	Mathematical Modeling of Alternative Polyadenylation in the Human Gene,CSTF3. SIAM Journal on Applied Mathematics, 2013, 73, 1793-1810.	1.8	0
176	New means to an end: mRNA export activity impacts alternative polyadenylation. Transcription, 2019, 10, 207-211.	3.1	0
177	Preface. Methods in Enzymology, 2021, 655, xix-xx.	1.0	0
178	Increased expression of genes promoting cell survival after myocardial infarction in monkeys. FASEB Journal, 2006, 20, A1190.	0.5	0
179	Microarray Analysis Provides a Link between Adenylyl Cyclase Type 5 and Pressure Overload Hypertrophy. FASEB Journal, 2010, 24, 1036.16.	0.5	0
180	Enhanced Exercise Capacity in Adenylyl Cyclase Type 5 Knockout Mimics Chronic Exercise Training. FASEB Journal, 2012, 26, .	0.5	0

#	Article	IF	Citations
181	NF2 Activates Hippo Signaling and Promotes Ischemia/Reperfusion Injury in Heart. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, OR2-1.	0.0	0