Qingshun Quinn Li

List of Publications by Citations

109 papers	2,590 citations	29 h-index	48 g-index
122 ext. papers	3,376 ext. citations	5.3 avg, IF	5.08 L-index

#	Paper	IF	Citations
109	Genome-wide landscape of polyadenylation in Arabidopsis provides evidence for extensive alternative polyadenylation. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 12533-8	11.5	203
108	Compilation of mRNA polyadenylation signals in Arabidopsis revealed a new signal element and potential secondary structures. *Plant Physiology*, **2005**, 138, 1457-68	6.6	157
107	Genome level analysis of rice mRNA 3Send processing signals and alternative polyadenylation. *Nucleic Acids Research*, **2008**, 36, 3150-61	20.1	123
106	Calmodulin interacts with and regulates the RNA-binding activity of an Arabidopsis polyadenylation factor subunit. *Plant Physiology*, **2006**, 140, 1507-21	6.6	89
105	Enhanced disease resistance conferred by expression of an antimicrobial magainin analog in transgenic tobacco. *Planta*, **2001**, 212, 635-9	4.7	86
104	A polyadenylation factor subunit implicated in regulating oxidative signaling in Arabidopsis thaliana. *PLoS ONE*, **2008**, 3, e2410	3.7	78
103	The potyviral suppressor of RNA silencing confers enhanced resistance to multiple pathogens. *Virology*, **2004**, 320, 107-20	3.6	76
102	Genome-wide control of polyadenylation site choice by CPSF30 in Arabidopsis. *Plant Cell*, **2012**, 24, 4376-88	11.6	75
101	Alternative polyadenylation and gene expression regulation in plants. *Wiley Interdisciplinary Reviews RNA*, **2011**, 2, 445-58	9.3	74
100	Arabidopsis mRNA polyadenylation machinery: comprehensive analysis of protein-protein interactions and gene expression profiling. *BMC Genomics*, **2008**, 9, 220	4.5	72
99	Transcriptome dynamics through alternative polyadenylation in developmental and environmental responses in plants revealed by deep sequencing. *Genome Research*, **2011**, 21, 1478-86	9.7	68
98	Transgenerational effects benefit offspring across diverse environments: a meta-analysis in plants and animals. *Ecology Letters*, **2019**, 22, 1976-1986	10	67
97	The Polyadenylation of RNA in Plants. *Plant Physiology*, **1997**, 115, 321-325	6.6	62
96	Arabidopsis PCFS4, a homologue of yeast polyadenylation factor Pcf11p, regulates FCA alternative processing and promotes flowering time. *Plant Journal*, **2008**, 54, 899-910	6.9	61
95	Mangrove speciesSresponses to winter air temperature extremes in China. *Ecosphere*, **2017**, 8, e01865	3.1	52
94	Unique features of nuclear mRNA poly(A) signals and alternative polyadenylation in Chlamydomonas reinhardtii. *Genetics*, **2008**, 179, 167-76	4	52
93	The 73 kD subunit of the cleavage and polyadenylation specificity factor (CPSF) complex affects reproductive development in Arabidopsis. *Plant Molecular Biology*, **2006**, 61, 799-815	4.6	52

92	Protocol: Streamline cloning of genes into binary vectors in Agrobacterium via the Gateway(R) TOPO vector system. *Plant Methods*, **2008**, 4, 4	5.8	49
91	A RING-H2 zinc-finger protein gene RIE1 is essential for seed development in Arabidopsis. *Plant Molecular Biology*, **2003**, 53, 37-50	4.6	47
90	APAtrap: identification and quantification of alternative polyadenylation sites from RNA-seq data. *Bioinformatics*, **2018**, 34, 1841-1849	7.2	46
89	Plant polyadenylation factors: conservation and variety in the polyadenylation complex in plants. *BMC Genomics*, **2012**, 13, 641	4.5	45
88	Genome-wide dynamics of alternative polyadenylation in rice. *Genome Research*, **2016**, 26, 1753-1760	9.7	43
87	Silver nanoparticles induce neurotoxicity in a human embryonic stem cell-derived neuron and astrocyte network. *Nanotoxicology*, **2018**, 12, 104-116	5.3	42
86	Predictive modeling of plant messenger RNA polyadenylation sites. *BMC Bioinformatics*, **2007**, 8, 43	3.6	38
85	AtCPSF73-II gene encoding an Arabidopsis homolog of CPSF 73 kDa subunit is critical for early embryo development. *Gene*, **2004**, 324, 35-45	3.8	35
84	High throughput characterizations of poly(A) site choice in plants. *Methods*, **2014**, 67, 74-83	4.6	32
83	A near-upstream element in a plant polyadenylation signal consists of more than six nucleotides. *Plant Molecular Biology*, **1995**, 28, 927-34	4.6	32
82	Polynucleotide phosphorylase is a component of a novel plant poly(A) polymerase. *Journal of Biological Chemistry*, **1998**, 273, 17539-43	5.4	31
81	A classification-based prediction model of messenger RNA polyadenylation sites. *Journal of Theoretical Biology*, **2010**, 265, 287-96	2.3	30
80	Arabidopsis CLP1-SIMILAR PROTEIN3, an ortholog of human polyadenylation factor CLP1, functions in gametophyte, embryo, and postembryonic development. *Plant Physiology*, **2008**, 148, 2059-69	6.6	28
79	Genetic admixture accelerates invasion via provisioning rapid adaptive evolution. *Molecular Ecology* , **2019**, 28, 4012-4027	5.7	27
78	Genome-wide identification and predictive modeling of polyadenylation sites in eukaryotes. *Briefings in Bioinformatics*, **2015**, 16, 304-13	13.4	24
77	Genome-wide determination of poly(A) sites in Medicago truncatula: evolutionary conservation of alternative poly(A) site choice. *BMC Genomics*, **2014**, 15, 615	4.5	23
76	Integration of developmental and environmental signals via a polyadenylation factor in Arabidopsis. *PLoS ONE*, **2014**, 9, e115779	3.7	23
75	Increased pathogen resistance and yield in transgenic plants expressing combinations of the modified antimicrobial peptides based on indolicidin and magainin. *Planta*, **2006**, 223, 1024-32	4.7	22

74	Alternative polyadenylation is involved in auxin-based plant growth and development. *Plant Journal*, **2018**, 93, 246-258	6.9	21
73	Unique features of plant cleavage and polyadenylation specificity factor revealed by proteomic studies. *Plant Physiology*, **2009**, 151, 1546-56	6.6	20
72	Implementation of a classification-based prediction model for plant mRNA Poly(A) sites **2008**,		20
71	Role of alternative polyadenylation dynamics in acute myeloid leukaemia at single-cell resolution. *RNA Biology*, **2019**, 16, 785-797	4.8	18
70	Role of alternative polyadenylation in epigenetic silencing and antisilencing. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 9-10	11.5	18
69	Expression and affinity purification of recombinant proteins from plants. *Protein Expression and Purification*, **2002**, 25, 195-202	2	18
68	PlantAPA: A Portal for Visualization and Analysis of Alternative Polyadenylation in Plants. *Frontiers in Plant Science*, **2016**, 7, 889	6.2	18
67	Bioinformatics analysis of alternative polyadenylation in green alga Chlamydomonas reinhardtii using transcriptome sequences from three different sequencing platforms. *G3: Genes, Genomes, Genetics*, **2014**, 4, 871-83	3.2	17
66	Conversion of compatible plant-pathogen interactions into incompatible interactions by expression of the Pseudomonas syringae pv. syringae 61 hrmA gene in transgenic tobacco plants. *Plant Journal* , **2000**, 23, 205-13	6.9	17
65	Role of cleavage and polyadenylation specificity factor 100: anchoring poly(A) sites and modulating transcription termination. *Plant Journal*, **2017**, 91, 829-839	6.9	16
64	Genome-wide alternative polyadenylation dynamics in response to biotic and abiotic stresses in rice. *Ecotoxicology and Environmental Safety*, **2019**, 183, 109485	7	16
63	Transcriptome Analyses of FY Mutants Reveal Its Role in mRNA Alternative Polyadenylation. *Plant Cell*, **2019**, 31, 2332-2352	11.6	15
62	Expressed sequence tags with cDNA termini: previously overlooked resources for gene annotation and transcriptome exploration in Chlamydomonas reinhardtii. *Genetics*, **2008**, 179, 83-93	4	15
61	A Genome-wide Study of "Non-3UTR" Polyadenylation Sites in Arabidopsis thaliana. *Scientific Reports*, **2016**, 6, 28060	4.9	15
60	Genome-wide characterization of intergenic polyadenylation sites redefines gene spaces in Arabidopsis thaliana. *BMC Genomics*, **2015**, 16, 511	4.5	14
59	Statistical and Dynamical Equivalence of Different Elementary Cells. *Journal of Computational and Theoretical Nanoscience*, **2007**, 4, 619-626	0.3	13
58	A tridecapeptide possesses both antimicrobial and protease-inhibitory activities. *Peptides*, **2002**, 23, 1-6	3.8	13
57	Characterization of a novel plant poly(A) polymerase. *Plant Science*, **1995**, 110, 215-226	5.3	13

56	Identification of putative key genes for coastal environments and cold adaptation in mangrove Kandelia obovata through transcriptome analysis. *Science of the Total Environment*, **2019**, 681, 191-201	10.2	12
55	Root Hair Single Cell Type Specific Profiles of Gene Expression and Alternative Polyadenylation Under Cadmium Stress. *Frontiers in Plant Science*, **2019**, 10, 589	6.2	12
54	Interplay between Alternative Splicing and Alternative Polyadenylation Defines the Expression Outcome of the Plant Unique OXIDATIVE TOLERANT-6 Gene. *Scientific Reports*, **2017**, 7, 2052	4.9	12
53	A plant poly(A) polymerase requires a novel RNA-binding protein for activity. *Journal of Biological Chemistry*, **1996**, 271, 19831-5	5.4	12
52	Differential alternative polyadenylation contributes to the developmental divergence between two rice subspecies, japonica and indica. *Plant Journal*, **2019**, 98, 260-276	6.9	12
51	HDA6-dependent histone deacetylation regulates mRNA polyadenylation in. *Genome Research*, **2020**, 30, 1407-1417	9.7	11
50	Genome-Wide Comparative Analysis of Miniature Inverted Repeat Transposable Elements in 19 Arabidopsis thaliana Ecotype Accessions. *Scientific Reports*, **2017**, 7, 2634	4.9	10
49	A novel plant in vitro assay system for pre-mRNA cleavage during 3Send formation. *Plant Physiology*, **2011**, 157, 1546-54	6.6	10
48	The yeast polyadenylate-binding protein (PAB1) gene acts as a disease lesion mimic gene when expressed in plants. *Plant Molecular Biology*, **2000**, 42, 335-44	4.6	9
47	scDAPA: detection and visualization of dynamic alternative polyadenylation from single cell RNA-seq data. *Bioinformatics*, **2020**, 36, 1262-1264	7.2	9
46	The regulatory role of Pcf11-similar-4 (PCFS4) in Arabidopsis development by genome-wide physical interactions with target loci. *BMC Genomics*, **2013**, 14, 598	4.5	8
45	Genome-Wide Comparative Analyses of Polyadenylation Signals in Eukaryotes Suggest a Possible Origin of the AAUAAA Signal. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	7
44	Transcriptome profiling during mangrove viviparity in response to abscisic acid. *Scientific Reports*, **2018**, 8, 770	4.9	7
43	Alternative polyadenylation: a mechanism maximizing transcriptome diversity in higher eukaryotes. *Plant Signaling and Behavior*, **2009**, 4, 440-2	2.5	7
42	Deletion of the Gene Results in Alterations in Signaling Pathways Related to Alzheimer's Disease, Protein Quality Control and Synaptic Plasticity in Mouse Brain. *Frontiers in Genetics*, **2020**, 11, 334	4.5	7
41	PASPA: a web server for mRNA poly(A) site predictions in plants and algae. *Bioinformatics*, **2015**, 31, 1671-3	7.3	5
40	Identification of a plant-specific Zn2+-sensitive ribonuclease activity. *Planta*, **2009**, 230, 819-25	4.7	5
39	Characterization of a cDNA encoding a novel plant poly(A) polymerase. *Plant Molecular Biology*, **1998**, 37, 729-34	4.6	5

38	Ratio-based analysis of differential mRNA processing and expression of a polyadenylation factor mutant pcfs4 using arabidopsis tiling microarray. *PLoS ONE*, **2011**, 6, e14719	3.7	5
37	Heat Shock Responsive Gene Expression Modulated by mRNA Poly(A) Tail Length. *Frontiers in Plant Science*, **2020**, 11, 1255	6.2	5
36	Distinct genome-wide alternative polyadenylation during the response to silicon availability in the marine diatom Thalassiosira pseudonana. *Plant Journal*, **2019**, 99, 67-80	6.9	4
35	Computational analysis of plant polyadenylation signals. *Methods in Molecular Biology*, **2015**, 1255, 3-11	1.4	4
34	Extraction of poly(A) sites from large-scale RNA-Seq data. *Methods in Molecular Biology*, **2015**, 1255, 25-37	1.4	4
33	Disease resistance in plants that carry a feedback-regulated yeast poly(A) binding protein gene. *Plant Molecular Biology*, **2006**, 61, 383-97	4.6	3
32	Progress in the studies of vivipary in mangrove plants. *Chinese Journal of Plant Ecology*, **2016**, 40, 1328-1343	1.1	3
31	DNA/RNA hybrid primer mediated poly(A) tag library construction for Illumina sequencing. *Methods in Molecular Biology*, **2015**, 1255, 175-84	1.4	3
30	Poly(A)-tag deep sequencing data processing to extract poly(A) sites. *Methods in Molecular Biology*, **2015**, 1255, 39-48	1.4	3
29	Adaptive transgenerational effects remain significant. *Ecology Letters*, **2020**, 23, 1719-1720	10	3
28	Genome-wide distribution and functions of the AAE complex in epigenetic regulation in Arabidopsis. *Journal of Integrative Plant Biology*, **2021**, 63, 707-722	8.3	3
27	Addressing the unmet need for visualizing conditional random fields in biological data. *BMC Bioinformatics*, **2014**, 15, 202	3.6	2
26	Implementation of a Classification-Based Prediction Model for Plant mRNA Poly(A)Sites. *Journal of Computational and Theoretical Nanoscience*, **2010**, 7, 927-932	0.3	2
25	Modeling Plant mRNA Poly(A) Sites: Software Design and Implementation. *Journal of Computational and Theoretical Nanoscience*, **2007**, 4, 1365-1368	0.3	2
24	A Topical Spray to Enhance Plant Resistance to Cold Injury and Mortality. *HortTechnology*, **2011**, 21, 109-118	1.3	2
23	Bioinformatics Analysis of Chicken miRNAs Associated with Monocyte to Macrophage Differentiation and Subsequent IFN‐Stimulated Activation. *MicroRNA (Shariqah, United Arab Emirates)*, **2017**, 6, 53-70	2.9	2
22	Prediction of plant mRNA polyadenylation sites. *Methods in Molecular Biology*, **2015**, 1255, 13-23	1.4	2
21	Messenger RNA Polyadenylation Site Recognition in Green Alga Chlamydomonas Reinhardtii. *Lecture Notes in Computer Science*, **2010**, 17-26	0.9	2

20	The genomic and transcriptomic foundations of viviparous seed development in mangroves		2
19	Identification and fine mapping of lemma-distortion1, a single recessive gene playing an essential role in the development of lemma in rice. *Journal of Agricultural Science*, **2016**, 154, 989-1001	1	2
18	Discovery of alternative polyadenylation dynamics from single cell types. *Computational and Structural Biotechnology Journal*, **2020**, 18, 1012-1019	6.8	1
17	Poly(A) tag library construction from 10 ng total RNA. *Methods in Molecular Biology*, **2015**, 1255, 185-94	1.4	1
16	RADPRE: a computational program for identification of differential mRNA processing including alternative polyadenylation. *Methods in Molecular Biology*, **2015**, 1255, 57-66	1.4	1
15	Alternative polyadenylated mRNAs behave as asynchronous rhythmic transcription in. *RNA Biology*, **2021**, 18, 2594-2604	4.8	1
14	Adaptive roots of mangrove Avicennia marina: Structure and gene expressions analyses of pneumatophores. *Science of the Total Environment*, **2021**, 757, 143994	10.2	1
13	A high resolution single molecule sequencing-based Arabidopsis transcriptome using novel methods of Iso-seq analysis		1
12	Global gene expression signatures in response to citrate-coated silver nanoparticles exposure. *Toxicology*, **2021**, 461, 152898	4.4	1
11	Divergence in the Regulation of the Salt Tolerant Response Between and Its Halophytic Relative by mRNA Alternative Polyadenylation.. *Frontiers in Plant Science*, **2022**, 13, 866054	6.2	1
10	Signatures of mRNA Alternative Polyadenylation in Leaf Development.. *Frontiers in Genetics*, **2022**, 13, 863253	4.5	1
9	Intragenic heterochromatin-mediated alternative polyadenylation modulates miRNA and pollen development in rice. *New Phytologist*, **2021**, 232, 835-852	9.8	0
8	Phenotypic and Methylome Responses to Salt Stress in Natural Accessions.. *Frontiers in Plant Science*, **2022**, 13, 841154	6.2	0
7	VAAPA: a web platform for visualization and analysis of alternative polyadenylation. *Computers in Biology and Medicine*, **2015**, 57, 20-5	7	
6	Recent Advances in Mathematical Modeling and Simulation of DNA Replication Process.. *Current Bioinformatics*, **2013**, 8, 591-602	4.7	
5	Characterization of plant polyadenylation complexes by using tandem affinity purification. *Methods in Molecular Biology*, **2015**, 1255, 69-78	1.4	
4	In vitro analysis of cleavage and polyadenylation in Arabidopsis. *Methods in Molecular Biology*, **2015**, 1255, 79-89	1.4	
3	Genome-wide determination of poly(A) sites in Medicago truncatula: evolutionary conservation of alternative poly(A) site choice **2020**, 911-920		

2	Heavy metal rich stone-processing wastewater inhibits the growth and development of plants. *International Journal of Phytoremediation*, **2019**, 21, 479-486	3.9
1	QPAT-seq, a rapid and deduplicatable method for quantification of poly(A) site usages. *Methods in Enzymology*, **2021**, 655, 73-83	1.7