Arthur G Hunt

List of Publications by Year
in descending order

67 papers	2,633 citations	218381 26 h-index	197535 49 g-index
68 all docs	68 docs citations	68 times ranked	2563 citing authors

#	Article	IF	Citations
1	Design and construction of a versatile system for the expression of foreign genes in plants. Gene, 1987, 61, 1-11.	1.0	310
2	Genome-wide landscape of polyadenylation in <i>Arabidopsis</i> provides evidence for extensive alternative polyadenylation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12533-12538.	3.3	292
3	Plasmodesmata Localizing Proteins Regulate Transport and Signaling during Systemic Acquired Immunity in Plants. Cell Host and Microbe, 2016, 19, 541-549.	5.1	139
4	Pipecolic acid confers systemic immunity by regulating free radicals. Science Advances, 2018, 4, eaar4509.	4.7	115
5	Calmodulin Interacts with and Regulates the RNA-Binding Activity of an Arabidopsis Polyadenylation Factor Subunit. Plant Physiology, 2006, 140, 1507-1521.	2.3	106
6	Genome-Wide Control of Polyadenylation Site Choice by CPSF30 in <i>Arabidopsis</i>. Plant Cell, 2012, 24, 4376-4388.	3.1	97
7	RNA Polymerase Activity Catalyzed by a Potyvirus-Encoded RNA-Dependent RNA Polymerase. Virology, 1996, 226, 146-151.	1.1	96
8	Arabidopsis mRNA polyadenylation machinery: comprehensive analysis of protein-protein interactions and gene expression profiling. BMC Genomics, 2008, 9, 220.	1.2	94
9	A Polyadenylation Factor Subunit Implicated in Regulating Oxidative Signaling in Arabidopsis thaliana. PLoS ONE, 2008, 3, e2410.	1.1	90
10	Noncanonical Alternative Polyadenylation Contributes to Gene Regulation in Response to Hypoxia. Plant Cell, 2017, 29, 1262-1277.	3.1	74
11	A novel endonuclease activity associated with the Arabidopsis ortholog of the 30-kDa subunit of cleavage and polyadenylation specificity factor. Nucleic Acids Research, 2007, 35, 4453-4463.	6.5	68
12	Plant polyadenylation factors: conservation and variety in the polyadenylation complex in plants. BMC Genomics, 2012, 13, 641.	1.2	62
13	Characterization of the polyadenyllationm signal from the T-DNA-encoded octopine sysnthase gene. Nucleic Acids Research, 1991, 19, 5575-5581.	6.5	57
14	An Arabidopsis Fip1 Homolog Interacts with RNA and Provides Conceptual Links with a Number of Other Polyadenylation Factor Subunits*. Journal of Biological Chemistry, 2006, 281, 176-186.	1.6	49
15	Deletion analysis of the polyadenylation signal of a pea ribulose-1,5-bisphosphate carboxylase small-subunit gene. Plant Molecular Biology, 1989, 13, 125-138.	2.0	44
16	CPSF30 at the Interface of Alternative Polyadenylation and Cellular Signaling in Plants. Biomolecules, 2015, 5, 1151-1168.	1.8	43
17	A near-upstream element in a plant polyadenylation signal consists of more than six nucleotides. Plant Molecular Biology, 1995, 28, 927-934.	2.0	41
18	Co-ordinated expression of multiple enzymes in different subcellular compartments in plants. Plant Journal, 1998, 16, 107-116.	2.8	39

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19	High throughput characterizations of poly(A) site choice in plants. Methods, 2014, 67, 74-83.	1.9	38
20	Polynucleotide Phosphorylase Is a Component of a Novel Plant Poly(A) Polymerase. Journal of Biological Chemistry, 1998, 273, 17539-17543.	1.6	36
21	Ribonuclease activity is a common property of <i>Arabidopsis</i> CCCHâ€containing zincâ€finger proteins. FEBS Letters, 2008, 582, 2577-2582.	1.3	36
22	Integration of Developmental and Environmental Signals via a Polyadenylation Factor in Arabidopsis. PLoS ONE, 2014, 9, e115779.	1.1	32
23	RNA Regulatory Elements and Polyadenylation in Plants. Frontiers in Plant Science, 2011, 2, 109.	1.7	31
24	Transcriptional response of honey bee (Apis mellifera) to differential nutritional status and Nosema infection. BMC Genomics, 2018, 19, 628.	1.2	31
25	The polyadenylation factor FIP1 is important for plant development and root responses to abiotic stresses. Plant Journal, 2019, 99, 1203-1219.	2.8	31
26	Genome-wide determination of poly(A) sites in Medicago truncatula: evolutionary conservation of alternative poly(A) site choice. BMC Genomics, 2014, 15, 615.	1.2	30
27	Vision and Change through the Genome Consortium for Active Teaching Using Next-Generation Sequencing (GCAT-SEEK). CBE Life Sciences Education, 2014, 13, 1-2.	1.1	27
28	Transcriptome analysis of drought-tolerant sorghum genotype SC56 in response to water stress reveals an oxidative stress defense strategy. Molecular Biology Reports, 2020, 47, 3291-3303.	1.0	27
29	Distinctive interactions of the Arabidopsis homolog of the 30 kD subunit of the cleavage and polyadenylation specificity factor (AtCPSF30) with other polyadenylation factor subunits. BMC Cell Biology, 2009, 10, 51.	3.0	26
30	A Rapid, Simple, and Inexpensive Method for the Preparation of Strand-Specific RNA-Seq Libraries. Methods in Molecular Biology, 2015, 1255, 195-207.	0.4	26
31	Root Hair Single Cell Type Specific Profiles of Gene Expression and Alternative Polyadenylation Under Cadmium Stress. Frontiers in Plant Science, 2019, 10, 589.	1.7	24
32	Wideâ€ranging transcriptome remodelling mediated by alternative polyadenylation in response to abiotic stresses in <i>Sorghum</i>. Plant Journal, 2020, 102, 916-930.	2.8	24
33	Characterization of Genes Encoding Poly(A) Polymerases in Plants: Evidence for Duplication and Functional Specialization. PLoS ONE, 2009, 4, e8082.	1.1	22
34	Experimental Genome-Wide Determination of RNA Polyadenylation in Chlamydomonas reinhardtii. PLoS ONE, 2016, 11, e0146107.	1.1	22
35	Alternative Polyadenylation and Salicylic Acid Modulate Root Responses to Low Nitrogen Availability. Plants, 2020, 9, 251.	1.6	22
36	Novel alternative splicing of mRNAs encoding poly(A) polymerases in Arabidopsis. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2004, 1679, 117-128.	2.4	21

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37	Characterization of mRNA polyadenylation in the apicomplexa. PLoS ONE, 2018, 13, e0203317.	1.1	21
38	The Arabidopsis polyadenylation factor subunit CPSF30 as conceptual link between mRNA polyadenylation and cellular signaling. Current Opinion in Plant Biology, 2014, 21, 128-132.	3.5	20
39	De novo Transcriptome Assembly and Dynamic Spatial Gene Expression Analysis in Red Clover. Plant Genome, 2016, 9, plantgenome2015.06.0048.	1.6	20
40	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, 205-213.	2.8	19
41	Phased small RNAâ€“mediated systemic signaling in plants. Science Advances, 2022, 8, .	4.7	19
42	Redox and heavy metal effects on the biochemical activities of an Arabidopsis polyadenylation factor subunit. Archives of Biochemistry and Biophysics, 2008, 473, 88-95.	1.4	17
43	An interaction between an Arabidopsis poly(A) polymerase and a homologue of the 100 kDa subunit of CPSF. Plant Molecular Biology, 2003, 51, 373-384.	2.0	16
44	Immunological characterization of plant polyadenylate-binding proteins. Plant Science, 1994, 99, 161-170.	1.7	15
45	The <i>Arabidopsis</i> ortholog of the 77 kDa subunit of the cleavage stimulatory factor (AtCstFâ€77) involved in mRNA polyadenylation is an RNAâ€binding protein. FEBS Letters, 2010, 584, 1449-1454.	1.3	14
46	A disulfide linkage in a CCCH zinc finger motif of an Arabidopsis CPSF30 ortholog. FEBS Letters, 2010, 584, 4408-4412.	1.3	14
47	mRNA 3â€² end formation in plants: Novel connections to growth, development and environmental responses. Wiley Interdisciplinary Reviews RNA, 2020, 11, e1575.	3.2	14
48	Nuclear and Chloroplast Poly(A) Polymerases from Plants Share a Novel Biochemical Property. Biochemical and Biophysical Research Communications, 2000, 272, 174-181.	1.0	13
49	The yeast polyadenylate-binding protein (PAB1) gene acts as a disease lesion mimic gene when expressed in plants. Plant Molecular Biology, 2000, 42, 335-344.	2.0	12
50	Strategies for expressing multiple foreign genes in plants as polycistronic constructs. In Vitro Cellular and Developmental Biology - Plant, 2001, 37, 313-320.	0.9	11
51	Transcriptome Landscape Variation in the Genus Thymus. Genes, 2019, 10, 620.	1.0	11
52	The NIaâ€Proteinase of Different Plant Potyviruses Provides Specific Resistance to Viral Infection. Crop Science, 1998, 38, 1309-1319.	0.8	10
53	Genome-wide atlas of alternative polyadenylation in the forage legume red clover. Scientific Reports, 2018, 8, 11379.	1.6	9
54	Expression of Multiple Virus-derived Resistance Determinants in Transgenic Plants Does Not Lead to Additive Resistance Properties. Journal of Plant Biochemistry and Biotechnology, 1999, 8, 67-73.	0.9	8

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55	The Interaction Between Two Arabidopsis Polyadenylation Factor Subunits Involves an Evolutionarily-Conserved Motif and Has Implications for the Assembly and Function of the Polyadenylation Complex. Protein and Peptide Letters, 2008, 15, 76-88.	0.4	8
56	Characterization of a cDNA encoding a novel plant poly(A) polymerase. Plant Molecular Biology, 1998, 37, 729-734.	2.0	6
57	Messenger RNA 3â€²-end Formation and the Regulation of Gene Expression. , 2007, , 101-122.		6
58	Disease Resistance in Plants that Carry a Feedback-regulated Yeast Poly(A) Binding Protein Gene. Plant Molecular Biology, 2006, 61, 383-397.	2.0	5
59	Title is missing!. Molecular Breeding, 1997, 3, 319-330.	1.0	4
60	Title is missing!. Molecular Breeding, 1997, 3, 331-339.	1.0	4
61	Genome-Wide Determination of Poly(A) Site Choice in Plants. Methods in Molecular Biology, 2015, 1255, 159-174.	0.4	4
62	Transcriptional dynamics in the protozoan parasite Sarcocystis neurona and mammalian host cells after treatment with a specific inhibitor of apicomplexan mRNA polyadenylation. PLoS ONE, 2021, 16, e0259109.	1.1	4
63	Phage Display Library Screening for Identification of Interacting Protein Partners. Methods in Molecular Biology, 2015, 1255, 147-158.	0.4	3
64	CPSF30-L: A direct connection between mRNA polyadenylation and m6A RNA modification in plants. Molecular Plant, 2021, 14, 711-713.	3.9	3
65	Identification and Characterization of Two Distinctive RNA Binding Activities in Pea Nuclear Extracts. Journal of Plant Biochemistry and Biotechnology, 1998, 7, 1-5.	0.9	1
66	Polyadenylation of RNAs Associated with a Nucleus-localized Phosphorolytic Nuclease. Journal of Plant Biochemistry and Biotechnology, 2002, 11, 21-25.	0.9	0
67	Transient Expression Using Agroinfiltration to Study Polyadenylation in Plants. Methods in Molecular Biology, 2015, 1255, 127-133.	0.4	0