Tamas Dalmay

List of Publications by Year
in descending order

137	12,978	28190	24915
papers	citations	55 h-index	109 g-index

143	143	143	14700
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanistic insights into non-coding Y RNA processing. RNA Biology, 2022, 19, 468-480.	1.5	3
2	Gene expression during larval caste determination and differentiation in intermediately eusocial bumblebees, and a comparative analysis with advanced eusocial honeybees. Molecular Ecology, 2021, 30, 718-735.	2.0	8
3	miR-7b-3p Exerts a Dual Role After Spinal Cord Injury, by Supporting Plasticity and Neuroprotection at Cortical Level. Frontiers in Molecular Biosciences, 2021, 8, 618869.	1.6	9
4	Targeting the MAPK7/MMP9 axis for metastasis in primary bone cancer. Oncogene, 2020, 39, 5553-5569.	2.6	20
5	microRNA-seq of cartilage reveals an overabundance of miR-140-3p which contains functional isomiRs. Rna, 2020, 26, 1575-1588.	1.6	17
6	The role of microRNA-3085 in chondrocyte function. Scientific Reports, 2020, 10, 21923.	1.6	5
7	Tobacco RNA-dependent RNA polymerase 1 affects the expression of defence-related genes in Nicotiana benthamiana upon Tomato leaf curl Gujarat virus infection. Planta, 2020, 252, 11.	1.6	16
8	Artificially induced phased siRNAs promote virus resistance in transgenic plants. Virology, 2019, 537, 208-215.	1.1	11
9	Molecular insights into an ancient form of Pagetâ€™s disease of bone. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10463-10472.	3.3	24
10	Detection of miRNA cancer biomarkers using light activated Molecular Beacons. RSC Advances, 2019, 9, 12766-12783.	1.7	6
11	Maternally expressed, paternally imprinted, embryonic non-coding RNA are expressed in osteosarcoma, Ewing sarcoma and spindle cell sarcoma. Pathology, 2019, 51, 113-116.	0.3	1
12	The UEA sRNA Workbench (version 4.4): a comprehensive suite of tools for analyzing miRNAs and sRNAs. Bioinformatics, 2018, 34, 3382-3384.	1.8	50
13	Experimental study of the evanescentâ€wave photonic sensors response in presence of molecular beacon conformational changes. Journal of Biophotonics, 2018, 11, e201800030.	1.1	8
14	Control of seminal fluid protein expression via regulatory hubs in Drosophila melanogaster. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181681.	1.2	15
15	microRNAs associated with early neural crest development in Xenopus laevis. BMC Genomics, 2018, 19, 59.	1.2	22
16	Ambient temperature regulates the expression of a small set of sRNAs influencing plant development through NFâ€YA2 and YUC2. Plant, Cell and Environment, 2018, 41, 2404-2417.	2.8	67
17	PAREsnip2: a tool for high-throughput prediction of small RNA targets from degradome sequencing data using configurable targeting rules. Nucleic Acids Research, 2018, 46, 8730-8739.	6.5	31
18	High sensitivity and label-free oligonucleotides detection using photonic bandgap sensing structures biofunctionalized with molecular beacon probes. Biomedical Optics Express, 2018, 9, 1717.	1.5	12

#	Article	IF	Citations
19	Small RNA populations revealed by blocking rRNA fragments in Drosophila melanogaster reproductive tissues. PLoS ONE, 2018, 13, e0191966.	1.1	12
20	Rapid transcriptional plasticity of duplicated gene clusters enables a clonally reproducing aphid to colonise diverse plant species. Genome Biology, 2017, 18, 27.	3.8	624
21	miR-16 is highly expressed in Pagetâ€™s associated osteosarcoma. Endocrine-Related Cancer, 2017, 24, L27-L31.	1.6	7
22	miRCat2: accurate prediction of plant and animal microRNAs from next-generation sequencing datasets. Bioinformatics, 2017, 33, 2446-2454.	1.8	49
23	Genomic responses to the socio-sexual environment in male Drosophila melanogaster exposed to conspecific rivals. Rna, 2017, 23, 1048-1059.	1.6	47
24	MicroRNAs Associated with Caste Determination and Differentiation in a Primitively Eusocial Insect. Scientific Reports, 2017, 7, 45674.	1.6	32
25	Comprehensive processing of high-throughput small RNA sequencing data including quality checking, normalization, and differential expression analysis using the UEA sRNA Workbench. Rna, 2017, 23, 823-835.	1.6	29
26	MicroRNA expression in a phosphaturic mesenchymal tumour. Bone Reports, 2017, 7, 63-69.	0.2	7
27	Implementing the sterile insect technique with <scp>RNA</scp> interference â€“ a review. Entomologia Experimentalis Et Applicata, 2017, 164, 155-175.	0.7	27
28	Evolution of flower color pattern through selection on regulatory small RNAs. Science, 2017, 358, 925-928.	6.0	48
29	Profile and functional analysis of small RNAs derived from Aspergillus fumigatus infected with double-stranded RNA mycoviruses. BMC Genomics, 2017, 18, 416.	1.2	30
30	Molecular characterization of a novel ssRNA ourmia-like virus from the rice blast fungus Magnaporthe oryzae. Archives of Virology, 2017, 162, 891-895.	0.9	33
31	Transcriptional regulation of male-sterility in 7B-1 male-sterile tomato mutant. PLoS ONE, 2017, 12, e0170715.	1.1	24
32	Comparison of alternative approaches for analysing multi-level RNA-seq data. PLoS ONE, 2017, 12, e0182694.	1.1	25
33	Chromosomal-Level Assembly of the Asian Seabass Genome Using Long Sequence Reads and Multi-layered Scaffolding. PLoS Genetics, 2016, 12, e1005954.	1.5	105
34	The cytoskeleton adaptor protein ankyrin-1 is upregulated by p53 following DNA damage and alters cell migration. Cell Death and Disease, 2016, 7, e2184-e2184.	2.7	29
35	High-throughput-sequencing-based identification of a grapevine fanleaf virus satellite RNA in Vitis vinifera. Archives of Virology, 2016, 161, 1401-1403.	0.9	9
36	Transfer RNA-derived small RNAs in the cancer transcriptome. Pflugers Archiv European Journal of Physiology, 2016, 468, 1041-1047.	1.3	52

#	Article	IF	Citations
37	Detecting new microRNAs in human osteoarthritic chondrocytes identifies miR-3085 as a human, chondrocyte-selective, microRNA. Osteoarthritis and Cartilage, 2016, 24, 534-543.	0.6	38
38	The microRNA-29 family in cartilage homeostasis and osteoarthritis. Journal of Molecular Medicine, 2016, 94, 583-596.	1.7	106
39	Microguards and micromessengers of the genome. Heredity, 2016, 116, 125-134.	1.2	28
40	Role of miR-140 in embryonic bone development and cancer. Clinical Science, 2015, 129, 863-873.	1.8	24
41	Identification of miRNAs with potential roles in regulation of anther development and male-sterility in 7B-1 male-sterile tomato mutant. BMC Genomics, 2015, 16, 878.	1.2	58
42	A Database of microRNA Expression Patterns in Xenopus laevis. PLoS ONE, 2015, 10, e0138313.	1.1	21
43	MicroRNA Regulation of Abiotic Stress Responses in 7Bâ€1 Maleâ€Sterile Tomato Mutant. Plant Genome, 2015, 8, eplantgenome2015.02.0008.	1.6	12
44	An improved protocol for small RNA library construction using High Definition adapters. Methods in Next Generation Sequencing, 2015, 2, .	1.5	14
45	A Non-canonical RNA Silencing Pathway Promotes mRNA Degradation in Basal Fungi. PLoS Genetics, 2015, 11, e1005168.	1.5	57
46	The genomes of two key bumblebee species with primitive eusocial organization. Genome Biology, 2015, 16, 76.	3.8	330
47	MicroRNA. , 2015, , 1-3.		0
48	MicroRNA. , 2015, , 2840-2841.		0
49	MicroRNAs Influence Reproductive Responses by Females to Male Sex Peptide in Drosophila melanogaster. Genetics, 2014, 198, 1603-1619.	1.2	36
50	miR-338-3p is over-expressed in blood, CFS, serum and spinal cord from sporadic amyotrophic lateral sclerosis patients. Neurogenetics, 2014, 15, 243-253.	0.7	99
51	Global discovery and characterization of small non-coding RNAs in marine microalgae. BMC Genomics, 2014, 15, 697.	1.2	21
52	Small RNA Profile in Moso Bamboo Root and Leaf Obtained by High Definition Adapters. PLoS ONE, 2014, 9, e103590.	1.1	16
53	MirPlex: A Tool for Identifying miRNAs in Highâ€Throughput sRNA Datasets Without a Genome. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2013, 320, 47-56.	0.6	22
54	New Evidence Supports the Notion that MicroRNAâ€140 May Play a Role in the Early Stages of Bone Development. Arthritis and Rheumatism, 2013, 65, 1668-1669.	6.7	5

#	Article	IF	Citations
55	CoLIde. RNA Biology, 2013, 10, 1221-1230.	1.5	28
56	Y RNAs: recent developments. Biomolecular Concepts, 2013, 4, 103-110.	1.0	35
57	Discovery of novel small RNAs in the quest to unravel genome complexity. Biochemical Society Transactions, 2013, 41, 866-870.	1.6	7
58	Mechanism of miRNA-mediated repression of mRNA translation. Essays in Biochemistry, 2013, 54, 29-38.	2.1	128
59	A Single Argonaute Gene Participates in Exogenous and Endogenous RNAi and Controls Cellular Functions in the Basal Fungus Mucor circinelloides. PLoS ONE, 2013, 8, e69283.	1.1	53
60	Small RNA Analysis in Sindbis Virus Infected Human HEK293 Cells. PLoS ONE, 2013, 8, e84070.	1.1	11
61	Regulation of multiple target genes by miR-1 and miR-206 is pivotal for C2C12 myoblast differentiation. Journal of Cell Science, 2012, 125, 3590-3600.	1.2	117
62	PAREsnip: a tool for rapid genome-wide discovery of small RNA/target interactions evidenced through degradome sequencing. Nucleic Acids Research, 2012, 40, e103-e103.	6.5	96
63	miR395 is a general component of the sulfate assimilation regulatory network in Arabidopsis. FEBS Letters, 2012, 586, 3242-3248.	1.3	102
64	Diverse correlation patterns between microRNAs and their targets during tomato fruit development indicates different modes of microRNA actions. Planta, 2012, 236, 1875-1887.	1.6	90
65	The UEA sRNA workbench: a suite of tools for analysing and visualizing next generation sequencing microRNA and small RNA datasets. Bioinformatics, 2012, 28, 2059-2061.	1.8	301
66	Reducing ligation bias of small RNAs in libraries for next generation sequencing. Silence: A Journal of RNA Regulation, 2012, 3, 4.	8.0	176
67	FiRePatâ€"Finding Regulatory Patterns between sRNAs and Genes. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2012, 2, 273-284.	4.6	6
68	The expression and function of microRNAs in chondrogenesis and osteoarthritis. Arthritis and Rheumatism, 2012, 64, 1909-1919.	6.7	204
69	Regulation of Leaf Morphology by MicroRNA394 and its Target LEAF CURLING RESPONSIVENESS. Plant and Cell Physiology, 2012, 53, 1283-1294.	1.5	107
70	Biogenesis of Y RNAâ€derived small RNAs is independent of the microRNA pathway. FEBS Letters, 2012, 586, 1226-1230.	1.3	67
71	Regulation of multiple target genes by miR-1 and miR-206 is pivotal for C2C12 myoblast differentiation. Development (Cambridge), 2012, 139, e1-e1.	1.2	1
72	Small RNA Discovery and Characterisation in Eukaryotes Using High-Throughput Approaches. Advances in Experimental Medicine and Biology, 2011, 722, 239-254.	0.8	6

#	Article	IF	Citations
73	Silencing Human Cancer: Identification and Uses of MicroRNAs. Recent Patents on Anti-Cancer Drug Discovery, 2011, 6, 94-105.	0.8	5
74	Interplay of SLIM1 and miR395 in the regulation of sulfate assimilation in Arabidopsis. Plant Journal, 2011, 66, 863-876.	2.8	189
75	Profiling of short RNAs during fleshy fruit development reveals stageâ€specific sRNAome expression patterns. Plant Journal, 2011, 67, 232-246.	2.8	138
76	Characterisation and expression of microRNAs in developing wings of the neotropical butterfly Heliconius melpomene. BMC Genomics, 2011, 12, 62.	1.2	44
77	MicroRNA regulation of the paired-box transcription factor Pax3 confers robustness to developmental timing of myogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11936-11941.	3.3	110
78	MicroRNA. , 2011, , 2303-2305.		0
79	Recent Patents in RNA Silencing in Plants: Constructs, Methods and Applications in Plant Biotechnology. Recent Patents on DNA & Gene Sequences, 2010, 4, 155-166.	0.7	6
80	miR398 and miR408 are up-regulated in response to water deficit in Medicago truncatula. Planta, 2010, 231, 705-716.	1.6	356
81	Nucleotide bias of DCL and AGO in plant anti-virus gene silencing. Protein and Cell, 2010, 1, 847-858.	4.8	22
82	Deep sequencing analysis of viral short RNAs from an infected Pinot Noir grapevine. Virology, 2010, 408, 49-56.	1.1	109
83	Short RNAs in Tomato. Journal of Integrative Plant Biology, 2010, 52, 388-392.	4.1	25
84	Identification of grapevine microRNAs and their targets using high-throughput sequencing and degradome analysis. Plant Journal, 2010, 62, no-no.	2.8	53
85	Analyzing mRNA expression identifies Smad3 as a microRNA-140 target regulated only at protein level. Rna, 2010, 16, 489-494.	1.6	106
86	Endogenous short RNAs generated by Dicer 2 and RNA-dependent RNA polymerase 1 regulate mRNAs in the basal fungus Mucor circinelloides. Nucleic Acids Research, 2010, 38, 5535-5541.	6.5	104
87	Structural and Functional Analysis of Viral siRNAs. PLoS Pathogens, 2010, 6, e1000838.	2.1	128
88	Detection of Small Non-coding RNAs. Methods in Molecular Biology, 2010, 655, 265-274.	0.4	1
89	Identification of grapevine microRNAs and their targets using high throughput sequencing and degradome analysis. Plant Journal, 2010, 62, 960-76.	2.8	335
90	Deep Sequencing of Viroid-Derived Small RNAs from Grapevine Provides New Insights on the Role of RNA Silencing in Plant-Viroid Interaction. PLoS ONE, 2009, 4, e7686.	1.1	130

#	Article	IF	Citations
91	Embryonic temperature affects muscle fibre recruitment in adult zebrafish: genome-wide changes in gene and microRNA expression associated with the transition from hyperplastic to hypertrophic growth phenotypes. Journal of Experimental Biology, 2009, 212, 1781-1793.	0.8	148
92	Deciphering the diversity of small RNAs in plants: the long and short of it. Briefings in Functional Genomics & Proteomics, 2009, 8, 472-481.	3.8	28
93	microRNA-449 is a putative regulator of choroid plexus development and function. Brain Research, 2009, 1250, 20-26.	1.1	22
94	High throughput sequencing of microRNAs in chicken somites. FEBS Letters, 2009, 583, 1422-1426.	1.3	62
95	Sulphur starvation induces the expression of microRNAâ€395 and one of its target genes but in different cell types. Plant Journal, 2009, 57, 313-321.	2.8	377
96	Mutations in the seed region of human miR-96 are responsible for nonsyndromic progressive hearing loss. Nature Genetics, 2009, 41, 609-613.	9.4	483
97	An ENU-induced mutation of miR-96 associated with progressive hearing loss in mice. Nature Genetics, 2009, 41, 614-618.	9.4	281
98	RNA Silencing: Recent Developments on miRNAs. Recent Patents on DNA & Gene Sequences, 2009, 3, 77-87.	0.7	9
99	MicroRNAs and cancer. Journal of Internal Medicine, 2008, 263, 366-375.	2.7	117
100	High-throughput sequencing of Medicago truncatula short RNAs identifies eight new miRNA families. BMC Genomics, 2008, 9, 593.	1.2	248
101	Specific requirements of MRFs for the expression of muscle specific microRNAs, miR-1, miR-206 and miR-133. Developmental Biology, 2008, 321, 491-499.	0.9	239
102	Evidence for GC preference by monocot Dicer-like proteins. Biochemical and Biophysical Research Communications, 2008, 368, 433-437.	1.0	23
103	Deep sequencing of tomato short RNAs identifies microRNAs targeting genes involved in fruit ripening. Genome Research, 2008, 18, 1602-1609.	2.4	423
104	A toolkit for analysing large-scale plant small RNA datasets. Bioinformatics, 2008, 24, 2252-2253.	1.8	299
105	Experimental identification of microRNA-140 targets by silencing and overexpressing miR-140. Rna, 2008, 14, 2513-2520.	1.6	102
106	Identification of genes targeted by microRNAs. Biochemical Society Transactions, 2008, 36, 1194-1196.	1.6	13
107	The role of small RNAs in abiotic stress. FEBS Letters, 2007, 581, 3592-3597.	1.3	217
108	Evidence for targeting common siRNA hotspots and GC preference by plant Dicer-like proteins. FEBS Letters, 2007, 581, 3267-3272.	1.3	67

#	Article	IF	Citations
109	The p122 Subunit of Tobacco Mosaic Virus Replicase Is a Potent Silencing Suppressor and Compromises both Small Interfering RNA- and MicroRNA-Mediated Pathways. Journal of Virology, 2007, 81, 11768-11780.	1.5	157
110	In Situ Detection of Animal and Plant MicroRNAs. DNA and Cell Biology, 2007, 26, 251-255.	0.9	34
111	SDE5, the putative homologue of a human mRNA export factor, is required for transgene silencing and accumulation of trans-acting endogenous siRNA. Plant Journal, 2007, 50, 140-148.	2.8	74
112	Identification of novel small RNAs in tomato (Solanum lycopersicum). Planta, 2007, 226, 709-717.	1.6	90
113	Identification of new central nervous system specific mouse microRNAs. FEBS Letters, 2006, 580, 2195-2200.	1.3	100
114	The cartilage specific microRNA-140 targets histone deacetylase 4 in mouse cells. FEBS Letters, 2006, 580, 4214-4217.	1.3	384
115	Analysis of short RNAs in the malaria parasite and its red blood cell host. FEBS Letters, 2006, 580, 5185-5188.	1.3	124
116	MicroRNAs and the hallmarks of cancer. Oncogene, 2006, 25, 6170-6175.	2.6	344
117	A simplified method for cloning of short interfering RNAs from Brassica juncea infected with Turnip mosaic potyvirus and Turnip crinkle carmovirus. Journal of Virological Methods, 2006, 136, 217-223.	1.0	58
118	FGF-4 signaling is involved in mir-206 expression in developing somites of chicken embryos. Developmental Dynamics, 2006, 235, 2185-2191.	0.8	82
119	RNA Polymerase IV Directs Silencing of Endogenous DNA. Science, 2005, 308, 118-120.	6.0	647
120	Size-dependent cell-to-cell movement of defective interfering RNAs of Cymbidium ringspot virus. Journal of General Virology, 2002, 83, 1505-1510.	1.3	8
121	SDE3 encodes an RNA helicase required for post-transcriptional gene silencing in Arabidopsis. EMBO Journal, 2001, 20, 2069-2078.	3.5	306
122	Potato Virus X Amplicons in Arabidopsis Mediate Genetic and Epigenetic Gene Silencing. Plant Cell, 2000, 12, 369-379.	3.1	174
123	An RNA-Dependent RNA Polymerase Gene in Arabidopsis Is Required for Posttranscriptional Gene Silencing Mediated by a Transgene but Not by a Virus. Cell, 2000, 101, 543-553.	13.5	956
124	Secondary structure-dependent evolution of Cymbidium ringspot virus defective interfering RNA.. Journal of General Virology, 1997, 78, 1227-1234.	1.3	22
125	Generation of Defective Interfering RNA Dimers of Cymbidium Ringspot Tombusvirus. Virology, 1995, 207, 510-517.	1.1	23
126	Localization of cis-acting sequences essential for cymbidium ringspot tombusvirus defective interfering RNA replication. Journal of General Virology, 1995, 76, 2311-2316.	1.3	30

#	Article	IF	Citations
127	The nature of multimeric forms of cymbidium ringspot tombusvirus satellite RNA. Archives of Virology, 1994, 138, 161-167.	0.9	5
128	Expression of homologous and heterologous viral coat protein-encoding genes using recombinant DI RNA from cymbidium ringspot tombusvirus. Gene, 1994, 138, 159-163.	1.0	10
129	Repair in Vivo of Altered 3â€² Terminus of Cymbidium Ringspot Tombusvirus RNA. Virology, 1993, 192, 551-555.	1.1	40
130	Defective Interfering RNA-Mediated Resistance against Cymbidium Ringspot Tombusvirus in Transgenic Plants. Virology, 1993, 193, 313-318.	1.1	48
131	Functional Analysis of Cymbidium Ringspot Virus Genome. Virology, 1993, 194, 697-704.	1.1	104
132	Consequences of gene transfer between distantly related tombusviruses. Gene, 1993, 129, 191-196.	1.0	4
133	Cloning and sequencing of potato virus Y (Hungarian isolate) genomic RNA. Gene, 1993, 123, 149-156.	1.0	94
134	Efficient pathogen-derived resistance induced by integrated potato virus Y coat protein gene in tobacco. Biochimie, 1993, 75, 623-629.	1.3	19
135	The replication of cymbidium ringspot tombusvirus defective interfering-satellite RNA hybrid molecules. Virology, 1992, 190, 579-586.	1.1	18
136	Replication and Movement of a Coat Protein Mutant of Cymbidium Ringspot Tombusvirus. Molecular Plant-Microbe Interactions, 1992, 5, 379.	1.4	41
137	Virus-induced Gene Silencing. , 0, , 223-243.		1