Thomas F Duchaine

List of Publications by Year
in descending order

41 papers	3,706 citations	218677 26 h-index	254184 43 g-index
48 all docs	48 docs citations	48 times ranked	5144 citing authors

#	Article	IF	Citations
1	Eukaryotic mRNA Decapping Activation. Frontiers in Genetics, 2022, 13, 832547.	2.3	14
2	microRNA-mediated translation repression through GYF-1 and IFE-4 in C. elegans development. Nucleic Acids Research, 2021, 49, 4803-4815.	14.5	28
3	Novel LOTUS-domain proteins are organizational hubs that recruit C. elegans Vasa to germ granules. ELife, 2021, 10, .	6.0	11
4	A Family of Argonaute-Interacting Proteins Gates Nuclear RNAi. Molecular Cell, 2020, 78, 862-875.e8.	9.7	11
5	Naive Human Embryonic Stem Cells Can Give Rise to Cells with a Trophoblast-like Transcriptome and Methylome. Stem Cell Reports, 2020, 15, 198-213.	4.8	129
6	Repression of LKB1 by miR-17âˆ¼92 Sensitizes MYC-Dependent Lymphoma to Biguanide Treatment. Cell Reports Medicine, 2020, 1, 100014.	6.5	16
7	Mechanistic Insights into MicroRNA-Mediated Gene Silencing. Cold Spring Harbor Perspectives in Biology, 2019, 11, a032771.	5.5	108
8	Oncogenic Biogenesis of pri-miR-17âˆ¼92 Reveals Hierarchy and Competition among Polycistronic MicroRNAs. Molecular Cell, 2019, 75, 340-356.e10.	9.7	26
9	MiR-35 buffers apoptosis thresholds in the C. elegans germline by antagonizing both MAPK and core apoptosis pathways. Cell Death and Differentiation, 2019, 26, 2637-2651.	11.2	31
10	Ciphers and Executioners: How 3â€²-Untranslated Regions Determine the Fate of Messenger RNAs. Frontiers in Genetics, 2019, 10, 6.	2.3	72
11	Translational control of ERK signaling through miRNA/4EHP-directed silencing. ELife, 2018, 7, .	6.0	41
12	Alternative polyadenylation confersÂPtenmRNAs stability and resistance to microRNAs. Nucleic Acids Research, 2018, 46, 10340-10352.	14.5	29
13	A continuum of mRNP complexes in embryonic microRNA-mediated silencing. Nucleic Acids Research, 2017, 45, gkw872.	14.5	20
14	Cap-binding protein 4EHP effects translation silencing by microRNAs. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5425-5430.	7.1	93
15	A non-canonical site reveals the cooperative mechanisms of microRNA-mediated silencing. Nucleic Acids Research, 2017, 45, 7212-7225.	14.5	48
16	Poly(A)-binding proteins are required for microRNA-mediated silencing and to promote target deadenylation inC. elegans. Nucleic Acids Research, 2016, 44, 5924-5935.	14.5	28
17	The miR-17 âˆ¼ 92 microRNA Cluster Is a Global Regulator of Tumor Metabolism. Cell Reports, 2016, 16, 1915-1928.	6.4	58
18	FLCN and AMPK Confer Resistance to Hyperosmotic Stress via Remodeling of Glycogen Stores. PLoS Genetics, 2015, 11, e1005520.	3.5	46

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19	On the availability of microRNA-induced silencing complexes, saturation of microRNA-binding sites and stoichiometry. Nucleic Acids Research, 2015, 43, 7556-7565.	14.5	32
20	Human DDX6 effects miRNA-mediated gene silencing via direct binding to CNOT1. Rna, 2014, 20, 1398-1409.	3.5	112
21	Fusion of TTYH1 with the C19MC microRNA cluster drives expression of a brain-specific DNMT3B isoform in the embryonal brain tumor ETMR. Nature Genetics, 2014, 46, 39-44.	21.4	167
22	DICER1: mutations, microRNAs and mechanisms. Nature Reviews Cancer, 2014, 14, 662-672.	28.4	404
23	A Truncated Form of Dicer Tilts the Balance of RNA Interference Pathways. Cell Reports, 2013, 4, 454-463.	6.4	18
24	Tudor domain ERI-5 tethers an RNA-dependent RNA polymerase to DCR-1 to potentiate endo-RNAi. Nature Structural and Molecular Biology, 2012, 19, 90-97.	8.2	50
25	SnapShot: Endogenous RNAi Machinery and Mechanisms. Cell, 2012, 150, 662-662.e2.	28.9	2
26	SnapShot: Endogenous RNAi Pathways. Cell, 2012, 150, 442-442.e1.	28.9	1
27	Turning Dicer on its head. Nature Structural and Molecular Biology, 2012, 19, 365-366.	8.2	4
28	miRNA-mediated deadenylation is orchestrated by GW182 through two conserved motifs that interact with CCR4â€“NOT. Nature Structural and Molecular Biology, 2011, 18, 1211-1217.	8.2	286
29	Cell-Free microRNA-Mediated Translation Repression in Caenorhabditis elegans. Methods in Molecular Biology, 2011, 725, 219-232.	0.9	3
30	Multimerization of Staufen1 in live cells. Rna, 2010, 16, 585-597.	3.5	43
31	Dicer's helicase domain is required for accumulation of some, but not all, C. elegans endogenous siRNAs. Rna, 2010, 16, 893-903.	3.5	64
32	Pervasive and Cooperative Deadenylation of 3â€²UTRs by Embryonic MicroRNA Families. Molecular Cell, 2010, 40, 558-570.	9.7	92
33	Sequential rounds of RNA-dependent RNA transcription drive endogenous small-RNA biogenesis in the ERGO-1/Argonaute pathway. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3582-3587.	7.1	174
34	Requirement for the ERI/DICER Complex in Endogenous RNA Interference and Sperm Development in Caenorhabditis elegans. Genetics, 2009, 183, 1283-1295.	2.9	123
35	Mammalian miRNA RISC Recruits CAF1 and PABP to Affect PABP-Dependent Deadenylation. Molecular Cell, 2009, 35, 868-880.	9.7	331
36	MicroRNA Inhibition of Translation Initiation in Vitro by Targeting the Cap-Binding Complex eIF4F. Science, 2007, 317, 1764-1767.	12.6	458

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37	Functional Proteomics Reveals the Biochemical Niche of C. elegans DCR-1 in Multiple Small-RNA-Mediated Pathways. Cell, 2006, 124, 343-354.	28.9	338
38	Molecular mapping of the determinants involved in human Staufenâ€“ribosome association. Biochemical Journal, 2002, 365, 817-824.	3.7	51
39	Molecular mapping of the determinants involved in human Staufen-ribosome association. Biochemical Journal, 2002, 365, 817-24.	3.7	35
40	Staufen2 isoforms localize to the somatodendritic domain of neurons and interact with different organelles. Journal of Cell Science, 2002, 115, 3285-95.	2.0	88
41	Expression of Autocrine Motility Factor/Phosphohexose Isomerase in Cos7 Cells. Biochemical and Biophysical Research Communications, 2000, 273, 213-218.	2.1	12