

# Ryan A Flynn

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61  
papers

12,568  
citations

39  
h-index

71  
g-index

71  
ext. papers

15,326  
ext. citations

25.7  
avg, IF

6.2  
L-index

#	Paper	IF	Citations
61	A unique chromatin signature uncovers early developmental enhancers in humans. <i>Nature</i> , <b>2011</b> , 470, 279-83	50.4	1545
60	A long noncoding RNA maintains active chromatin to coordinate homeotic gene expression. <i>Nature</i> , <b>2011</b> , 472, 120-4	50.4	1502
59	c-Myc regulates transcriptional pause release. <i>Cell</i> , <b>2010</b> , 141, 432-45	56.2	930
58	Divergent transcription from active promoters. <i>Science</i> , <b>2008</b> , 322, 1849-51	33.3	695
57	m(6)A RNA modification controls cell fate transition in mammalian embryonic stem cells. <i>Cell Stem Cell</i> , <b>2014</b> , 15, 707-19	18	675
56	Control of somatic tissue differentiation by the long non-coding RNA TINCR. <i>Nature</i> , <b>2013</b> , 493, 231-5	50.4	665
55	Systematic discovery of Xist RNA binding proteins. <i>Cell</i> , <b>2015</b> , 161, 404-16	56.2	662
54	HiChIP: efficient and sensitive analysis of protein-directed genome architecture. <i>Nature Methods</i> , <b>2016</b> , 13, 919-922	21.6	505
53	Structural imprints in vivo decode RNA regulatory mechanisms. <i>Nature</i> , <b>2015</b> , 519, 486-90	50.4	454
52	Landscape and variation of RNA secondary structure across the human transcriptome. <i>Nature</i> , <b>2014</b> , 505, 706-9	50.4	390
51	RNA Duplex Map in Living Cells Reveals Higher-Order Transcriptome Structure. <i>Cell</i> , <b>2016</b> , 165, 1267-1279	56.2	368
50	Long noncoding RNAs in cell-fate programming and reprogramming. <i>Cell Stem Cell</i> , <b>2014</b> , 14, 752-61	18	362
49	Intrinsic retroviral reactivation in human preimplantation embryos and pluripotent cells. <i>Nature</i> , <b>2015</b> , 522, 221-5	50.4	339
48	Quantitative analysis of EGFRVIII cellular signaling networks reveals a combinatorial therapeutic strategy for glioblastoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 12867-72	11.5	328
47	RNA SHAPE analysis in living cells. <i>Nature Chemical Biology</i> , <b>2013</b> , 9, 18-20	11.7	288
46	Enhancer connectome in primary human cells identifies target genes of disease-associated DNA elements. <i>Nature Genetics</i> , <b>2017</b> , 49, 1602-1612	36.3	253
45	The Mammalian Ribo-interactome Reveals Ribosome Functional Diversity and Heterogeneity. <i>Cell</i> , <b>2017</b> , 169, 1051-1065.e18	56.2	210

44	Transcriptional profiling of long non-coding RNAs and novel transcribed regions across a diverse panel of archived human cancers. <i>Genome Biology</i> , <b>2012</b> , 13, R75	18.3	195
43	RNA helicase DDX21 coordinates transcription and ribosomal RNA processing. <i>Nature</i> , <b>2015</b> , 518, 249-535	50.4	167
42	irCLIP platform for efficient characterization of protein-RNA interactions. <i>Nature Methods</i> , <b>2016</b> , 13, 489-92	21.6	151
41	An inducible long noncoding RNA amplifies DNA damage signaling. <i>Nature Genetics</i> , <b>2016</b> , 48, 1370-1376	56.3	143
40	Antisense RNA polymerase II divergent transcripts are P-TEFb dependent and substrates for the RNA exosome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 10460-5	11.5	141
39	Essential role of lncRNA binding for WDR5 maintenance of active chromatin and embryonic stem cell pluripotency. <i>ELife</i> , <b>2014</b> , 3, e02046	8.9	136
38	DDX5 and its associated lncRNA Rmrp modulate TH17 cell effector functions. <i>Nature</i> , <b>2015</b> , 528, 517-22	50.4	130
37	Leukemia-Associated Cohesin Mutants Dominantly Enforce Stem Cell Programs and Impair Human Hematopoietic Progenitor Differentiation. <i>Cell Stem Cell</i> , <b>2015</b> , 17, 675-688	18	127
36	Progenitor identification and SARS-CoV-2 infection in human distal lung organoids. <i>Nature</i> , <b>2020</b> , 588, 670-675	50.4	103
35	Transcriptome-wide interrogation of RNA secondary structure in living cells with icSHAPE. <i>Nature Protocols</i> , <b>2016</b> , 11, 273-90	18.8	92
34	Small RNAs are modified with N-glycans and displayed on the surface of living cells. <i>Cell</i> , <b>2021</b> , 184, 3109-3124	51.24	92
33	Inhibition of NGLY1 Inactivates the Transcription Factor Nrf1 and Potentiates Proteasome Inhibitor Cytotoxicity. <i>ACS Central Science</i> , <b>2017</b> , 3, 1143-1155	16.8	84
32	Tissue-selective effects of nucleolar stress and rDNA damage in developmental disorders. <i>Nature</i> , <b>2018</b> , 554, 112-117	50.4	79
31	Dissecting noncoding and pathogen RNA-protein interactomes. <i>Rna</i> , <b>2015</b> , 21, 135-43	5.8	61
30	7SK-BAF axis controls pervasive transcription at enhancers. <i>Nature Structural and Molecular Biology</i> , <b>2016</b> , 23, 231-8	17.6	60
29	Stress from Nucleotide Depletion Activates the Transcriptional Regulator HEXIM1 to Suppress Melanoma. <i>Molecular Cell</i> , <b>2016</b> , 62, 34-46	17.6	52
28	An RNA-centric dissection of host complexes controlling flavivirus infection. <i>Nature Microbiology</i> , <b>2019</b> , 4, 2369-2382	26.6	51
27	Comparison of SHAPE reagents for mapping RNA structures inside living cells. <i>Rna</i> , <b>2017</b> , 23, 169-174	5.8	48

26	RNA structural analysis by evolving SHAPE chemistry. <i>Wiley Interdisciplinary Reviews RNA</i> , <b>2014</b> , 5, 867-893	1.3	44
25	Medulloblastoma-associated DDX3 variant selectively alters the translational response to stress. <i>Oncotarget</i> , <b>2016</b> , 7, 28169-82	3.3	44
24	Active chromatin and noncoding RNAs: an intimate relationship. <i>Current Opinion in Genetics and Development</i> , <b>2012</b> , 22, 172-8	4.9	42
23	HiChIRP reveals RNA-associated chromosome conformation. <i>Nature Methods</i> , <b>2019</b> , 16, 489-492	21.6	40
22	The novel lncRNA is pro-neurogenic and mutated in human neurodevelopmental disorders. <i>ELife</i> , <b>2019</b> , 8,	8.9	39
21	Discovery and functional interrogation of SARS-CoV-2 RNA-host protein interactions. <i>Cell</i> , <b>2021</b> , 184, 2394-2411.e16	56.2	39
20	Phosphotyrosine signaling analysis of site-specific mutations on EGFRvIII identifies determinants governing glioblastoma cell growth. <i>Molecular BioSystems</i> , <b>2010</b> , 6, 1227-37		36
19	Diagnosis, treatment, and management of breast cancer in previously augmented women. <i>Breast Journal</i> , <b>2006</b> , 12, 343-8	1.2	35
18	DNA-PKcs has KU-dependent function in rRNA processing and haematopoiesis. <i>Nature</i> , <b>2020</b> , 579, 291-296.4	296.4	29
17	RNA helicase DDX21 mediates nucleotide stress responses in neural crest and melanoma cells. <i>Nature Cell Biology</i> , <b>2020</b> , 22, 372-379	23.4	19
16	Progenitor identification and SARS-CoV-2 infection in long-term human distal lung organoid cultures <b>2020</b> ,		17
15	Abstract 158: Identification of BMP-Responsive Long Noncoding RNAs in Pluripotent Cells. <i>Plastic and Reconstructive Surgery</i> , <b>2014</b> , 133, 174	2.7	16
14	Functional significance of U2AF1 S34F mutations in lung adenocarcinomas. <i>Nature Communications</i> , <b>2019</b> , 10, 5712	17.4	15
13	Systematic discovery and functional interrogation of SARS-CoV-2 viral RNA-host protein interactions during infection <b>2020</b> ,		12
12	Footprinting SHAPE-eCLIP Reveals Transcriptome-wide Hydrogen Bonds at RNA-Protein Interfaces. <i>Molecular Cell</i> , <b>2020</b> , 80, 903-914.e8	17.6	12
11	Retraction Note: DDX5 and its associated lncRNA Rmrp modulate T17 cell effector functions. <i>Nature</i> , <b>2018</b> , 562, 150	50.4	9
10	Novel Gene Expression Profile of Women with Intrinsic Skin Youthfulness by Whole Transcriptome Sequencing. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165913	3.7	6
9	Proteomic analysis of young and old mouse hematopoietic stem cells and their progenitors reveals post-transcriptional regulation in stem cells. <i>ELife</i> , <b>2020</b> , 9,	8.9	6

8	Comparative Analysis Reveals Furoyl in Vivo Selective Hydroxyl Acylation Analyzed by Primer Extension Reagents Form Stable Ribosyl Ester Adducts. <i>Biochemistry</i> , <b>2017</b> , 56, 1811-1814	3.2	4
7	Mammalian Y RNAs are modified at discrete guanosine residues with N-glycans		3
6	A memory of eS25 loss drives resistance phenotypes. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 7279-7297	20.1	2
5	The CD22-IGF2R interaction is a therapeutic target for microglial lysosome dysfunction in Niemann-Pick type C. <i>Science Translational Medicine</i> , <b>2021</b> , 13, eabg2919	17.5	2
4	Zika Virus Infection Prevents Host mRNA Nuclear Export by Disrupting UPF1 Function		1
3	Diverse functional elements in RNA predicted transcriptome-wide by orthogonal RNA structure probing. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 11868-11882	20.1	1
2	fSHAPE, fSHAPE-eCLIP, and SHAPE-eCLIP probe transcript regions that interact with specific proteins. <i>STAR Protocols</i> , <b>2021</b> , 2, 100762	1.4	0
1	Loquacious modulates flaviviral RNA replication in mosquito cells.. <i>PLoS Pathogens</i> , <b>2022</b> , 18, e1010163	7.6	0