Joan A Steitz

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68 papers	6,013 citations	30 h-index	74 g-index
74 ext. papers	6,976 ext. citations	16 avg, IF	6.2 L-index

#	Paper	IF	Citations
68	The noncoding RNA revolution-trashing old rules to forge new ones. *Cell*, **2014**, 157, 77-94	56.2	1466
67	Are snRNPs involved in splicing?. *Nature*, **1980**, 283, 220-4	50.4	1159
66	A mammalian gene with introns instead of exons generating stable RNA products. *Nature*, **1996**, 379, 464-6	50.4	259
65	Trans splicing involves a novel form of small nuclear ribonucleoprotein particles. *Nature*, **1988**, 335, 559-62	50.4	205
64	Formation of triple-helical structures by the 3′-end sequences of MALAT1 and MEN β noncoding RNAs. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 19202-7	11.5	195
63	Structural insights into the stabilization of MALAT1 noncoding RNA by a bipartite triple helix. *Nature Structural and Molecular Biology*, **2014**, 21, 633-40	17.6	156
62	Mammalian 5′-capped microRNA precursors that generate a single microRNA. *Cell*, **2013**, 155, 1568-80	56.2	141
61	Viral noncoding RNAs: more surprises. *Genes and Development*, **2015**, 29, 567-84	12.6	130
60	Protein ligands mediate the CRM1-dependent export of HuR in response to heat shock. *Rna*, **2001**, 7, 1348-61	5.8	127
59	Poly(A) tail recognition by a viral RNA element through assembly of a triple helix. *Science*, **2010**, 330, 1244-7	33.3	122
58	Methyltransferase-like protein 16 binds the 3′-terminal triple helix of MALAT1 long noncoding RNA. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 14013-14018	11.5	114
57	EBV noncoding RNA binds nascent RNA to drive host PAX5 to viral DNA. *Cell*, **2015**, 160, 607-618	56.2	104
56	A viral nuclear noncoding RNA binds re-localized poly(A) binding protein and is required for late KSHV gene expression. *PLoS Pathogens*, **2011**, 7, e1002300	7.6	101
55	A Kaposi's sarcoma virus RNA element that increases the nuclear abundance of intronless transcripts. *EMBO Journal*, **2005**, 24, 1831-41	13	91
54	Widespread Inducible Transcription Downstream of Human Genes. *Molecular Cell*, **2015**, 59, 449-61	17.6	90
53	Identification of a rapid mammalian deadenylation-dependent decay pathway and its inhibition by a viral RNA element. *Molecular Cell*, **2006**, 24, 943-53	17.6	87
52	Direct physical evidence for secondary structure in an isolated fragment of R17 bacteriophage mRNA. *Nature*, **1974**, 248, 204-8	50.4	79

51	Structural Basis for Target-Directed MicroRNA Degradation. *Molecular Cell*, **2019**, 75, 1243-1255.e7	17.6	78
50	Conservation of a triple-helix-forming RNA stability element in noncoding and genomic RNAs of diverse viruses. *Cell Reports*, **2012**, 2, 26-32	10.6	74
49	Virus meets host microRNA: the destroyer, the booster, the hijacker. *Molecular and Cellular Biology*, **2014**, 34, 3780-7	4.8	69
48	A new interaction between the mouse 5Ưexternal transcribed spacer of pre-rRNA and U3 snRNA detected by psoralen crosslinking. *Nucleic Acids Research*, **1992**, 20, 5375-82	20.1	64
47	Comparative analysis reveals genomic features of stress-induced transcriptional readthrough. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E8362-E8371	11.5	56
46	Nucleotide sequence of gamma delta resolvase gene and demonstration that its gene product acts as a repressor of transcription. *Nature*, **1982**, 300, 381-3	50.4	53
45	Alternative capture of noncoding RNAs or protein-coding genes by herpesviruses to alter host T cell function. *Molecular Cell*, **2014**, 54, 67-79	17.6	48
44	Mutational analysis of a viral RNA element that counteracts rapid RNA decay by interaction with the polyadenylate tail. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 10412-7	11.5	48
43	miRNPs: versatile regulators of gene expression in vertebrate cells. *Biochemical Society Transactions*, **2009**, 37, 931-5	5.1	46
42	Versatile microRNA biogenesis in animals and their viruses. *RNA Biology*, **2014**, 11, 673-81	4.8	42
41	RNA families in Epstein-Barr virus. *RNA Biology*, **2014**, 11, 10-7	4.8	37
40	EBV noncoding RNA EBER2 interacts with host RNA-binding proteins to regulate viral gene expression. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 3221-6	11.5	36
39	The host Integrator complex acts in transcription-independent maturation of herpesvirus microRNA 3Ưends. *Genes and Development*, **2015**, 29, 1552-64	12.6	30
38	An Exportin-1-dependent microRNA biogenesis pathway during human cell quiescence. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E4961-E4970	11.5	29
37	A heterotrimer model of the complete Microprocessor complex revealed by single-molecule subunit counting. *Rna*, **2016**, 22, 175-83	5.8	28
36	Settling the mA debate: methylation of mature mRNA is not dynamic but accelerates turnover. *Genes and Development*, **2017**, 31, 957-958	12.6	27
35	Noncoding RNPs of viral origin. *Cold Spring Harbor Perspectives in Biology*, **2011**, 3,	10.2	25
34	Deciphering the mysteries of RNA-containing lupus antigens. *Arthritis and Rheumatism*, **1982**, 25, 761-6		23

33	Readthrough transcription: How are DoGs made and what do they do?. *RNA Biology*, **2017**, 14, 632-636	4.8	21
32	Fluorescence Amplification Method for Forward Genetic Discovery of Factors in Human mRNA Degradation. *Molecular Cell*, **2017**, 65, 191-201	17.6	21
31	3'-Biotin-tagged microRNA-27 does not associate with Argonaute proteins in cells. *Rna*, **2014**, 20, 985-8	5.8	20
30	Myriad Triple-Helix-Forming Structures in the Transposable Element RNAs of Plants and Fungi. *Cell Reports*, **2016**, 15, 1266-76	10.6	20
29	Specific recognition of the isolated R17 replicase initiator region by R17 coat protein. *Nature*, **1974**, 248, 223-5	50.4	19
28	Proteomics and Transcriptomics of BJAB Cells Expressing the Epstein-Barr Virus Noncoding RNAs EBER1 and EBER2. *PLoS ONE*, **2015**, 10, e0124638	3.7	19
27	Hoogsteen-position pyrimidines promote the stability and function of the MALAT1 RNA triple helix. *Rna*, **2016**, 22, 743-9	5.8	18
26	Commentary: Bio2010--new challenges for biology educators. *CBE: Life Sciences Education*, **2003**, 2, 87-91		17
25	Nuclear translocation and regulation of intranuclear distribution of cytoplasmic poly(A)-binding protein are distinct processes mediated by two Epstein Barr virus proteins. *PLoS ONE*, **2014**, 9, e92593	3.7	15
24	Hyperosmotic stress alters the RNA polymerase II interactome and induces readthrough transcription despite widespread transcriptional repression. *Molecular Cell*, **2021**, 81, 502-513.e4	17.6	14
23	Herpesvirus saimiri MicroRNAs Preferentially Target Host Cell Cycle Regulators. *Journal of Virology*, **2015**, 89, 10901-11	6.6	12
22	How Complementary Targets Expose the microRNA 3'-End for Tailing and Trimming during Target-Directed microRNA Degradation. *Cold Spring Harbor Symposia on Quantitative Biology*, **2019**, 84, 179-183	3.9	12
21	RNA stabilization by a poly(A) tail 3'-end binding pocket and other modes of poly(A)-RNA interaction. *Science*, **2021**, 371,	33.3	12
20	Host miRNA degradation by Herpesvirus saimiri small nuclear RNA requires an unstructured interacting region. *Rna*, **2016**, 22, 1181-9	5.8	11
19	Two herpesviral noncoding PAN RNAs are functionally homologous but do not associate with common chromatin loci. *PLoS Pathogens*, **2018**, 14, e1007389	7.6	11
18	Idiosyncrasies of Viral Noncoding RNAs Provide Insights into Host Cell Biology. *Annual Review of Virology*, **2019**, 6, 297-317	14.6	10
17	Noncoding RNA-guided recruitment of transcription factors: A prevalent but undocumented mechanism?. *BioEssays*, **2015**, 37, 936-41	4.1	10
16	A proximity-dependent assay for specific RNA-protein interactions in intact cells. *Rna*, **2016**, 22, 1785-1793	3.8	10

15	RNA-RNA base-pairing: theme and variations. *Rna*, **2015**, 21, 476-7	5.8	9
14	SARS-CoV-2 expresses a microRNA-like small RNA able to selectively repress host genes.. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	9
13	Kaposi's Sarcoma-Associated Herpesvirus mRNA Accumulation in Nuclear Foci Is Influenced by Viral DNA Replication and Viral Noncoding Polyadenylated Nuclear RNA. *Journal of Virology*, **2018**, 92,	6.6	6
12	Structural analyses of an RNA stability element interacting with poly(A). *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	6
11	Calcium signaling and transcription: elongation, DoGs, and eRNAs. *Receptors & Clinical Investigation*, **2016**, 3,		5
10	Intronless β-Globin Reporter: A Tool for Studying Nuclear RNA Stability Elements. *Methods in Molecular Biology*, **2016**, 1428, 77-92	1.4	4
9	Quantitative Fluorescence In Situ Hybridization (FISH) and Immunofluorescence (IF) of Specific Gene Products in KSHV-Infected Cells. *Journal of Visualized Experiments*, **2019**,	1.6	3
8	In silico discovery and modeling of non-coding RNA structure in viruses. *Methods*, **2015**, 91, 48-56	4.6	2
7	tRNA-like leader-trailer interaction promotes 3'-end maturation of MALAT1. *Rna*, **2021**, 27, 1140-1147	5.8	0
6	STL-seq reveals pause-release and termination kinetics for promoter-proximal paused RNA polymerase II transcripts. *Molecular Cell*, **2021**, 81, 4398-4412.e7	17.6	0
5	Caution needs to be taken when assigning transcription start sites to ends of protein-coding genes: a rebuttal. *Human Genomics*, **2018**, 12, 32	6.8	
4	Modulation of mRNA 3'-End Processing and Transcription Termination in Virus-Infected Cells.. *Frontiers in Immunology*, **2022**, 13, 828665	8.4	
3	RNA determinants and protein components of the histone pre-mRNA processing machinery. *FASEB Journal*, **2006**, 20, A930	0.9	
2	A general two-metal-ion mechanism for catalytic RNA. *journal of hand surgery Asian-Pacific volume, The*, **2020**, 597-601	0.5	
1	Noncoding RNAs: small, large and viral. *FASEB Journal*, **2015**, 29, 21.1	0.9	