

# Joan A Steitz

## List of Publications by Year in Descending Order

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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.

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	Modulation of mRNA 3'End Processing and Transcription Termination in Virus-Infected Cells.. <i>Frontiers in Immunology</i> , <b>2022</b> , 13, 828665	8.4	
67	SARS-CoV-2 expresses a microRNA-like small RNA able to selectively repress host genes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	9
66	Structural analyses of an RNA stability element interacting with poly(A). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	6
65	RNA stabilization by a poly(A) tail 3'end binding pocket and other modes of poly(A)-RNA interaction. <i>Science</i> , <b>2021</b> , 371,	33.3	12
64	Hyperosmotic stress alters the RNA polymerase II interactome and induces readthrough transcription despite widespread transcriptional repression. <i>Molecular Cell</i> , <b>2021</b> , 81, 502-513.e4	17.6	14
63	tRNA-like leader-trailer interaction promotes 3'end maturation of MALAT1. <i>Rna</i> , <b>2021</b> , 27, 1140-1147	5.8	0
62	STL-seq reveals pause-release and termination kinetics for promoter-proximal paused RNA polymerase II transcripts. <i>Molecular Cell</i> , <b>2021</b> , 81, 4398-4412.e7	17.6	0
61	A general two-metal-ion mechanism for catalytic RNA. <i>Journal of hand surgery Asian-Pacific volume, The</i> , <b>2020</b> , 597-601	0.5	
60	Quantitative Fluorescence In Situ Hybridization (FISH) and Immunofluorescence (IF) of Specific Gene Products in KSHV-Infected Cells. <i>Journal of Visualized Experiments</i> , <b>2019</b> ,	1.6	3
59	Idiosyncrasies of Viral Noncoding RNAs Provide Insights into Host Cell Biology. <i>Annual Review of Virology</i> , <b>2019</b> , 6, 297-317	14.6	10
58	Structural Basis for Target-Directed MicroRNA Degradation. <i>Molecular Cell</i> , <b>2019</b> , 75, 1243-1255.e7	17.6	78
57	How Complementary Targets Expose the microRNA 3'End for Tailing and Trimming during Target-Directed microRNA Degradation. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>2019</b> , 84, 179-183	3.9	12
56	Kaposi's Sarcoma-Associated Herpesvirus mRNA Accumulation in Nuclear Foci Is Influenced by Viral DNA Replication and Viral Noncoding Polyadenylated Nuclear RNA. <i>Journal of Virology</i> , <b>2018</b> , 92,	6.6	6
55	Caution needs to be taken when assigning transcription start sites to ends of protein-coding genes: a rebuttal. <i>Human Genomics</i> , <b>2018</b> , 12, 32	6.8	
54	Two herpesviral noncoding PAN RNAs are functionally homologous but do not associate with common chromatin loci. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1007389	7.6	11
53	Readthrough transcription: How are DoGs made and what do they do?. <i>RNA Biology</i> , <b>2017</b> , 14, 632-636	4.8	21
52	Settling the mA debate: methylation of mature mRNA is not dynamic but accelerates turnover. <i>Genes and Development</i> , <b>2017</b> , 31, 957-958	12.6	27

51	An Exportin-1-dependent microRNA biogenesis pathway during human cell quiescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E4961-E4970	11.5	29
50	Fluorescence Amplification Method for Forward Genetic Discovery of Factors in Human mRNA Degradation. <i>Molecular Cell</i> , <b>2017</b> , 65, 191-201	17.6	21
49	Comparative analysis reveals genomic features of stress-induced transcriptional readthrough. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E8362-E8371	11.5	56
48	Methyltransferase-like protein 16 binds the 3' terminal triple helix of MALAT1 long noncoding RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 14013-14018	11.5	114
47	Host miRNA degradation by Herpesvirus saimiri small nuclear RNA requires an unstructured interacting region. <i>Rna</i> , <b>2016</b> , 22, 1181-9	5.8	11
46	Intronless EGlobin Reporter: A Tool for Studying Nuclear RNA Stability Elements. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1428, 77-92	1.4	4
45	EBV noncoding RNA EBER2 interacts with host RNA-binding proteins to regulate viral gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 3221-6	11.5	36
44	Hoogsteen-position pyrimidines promote the stability and function of the MALAT1 RNA triple helix. <i>Rna</i> , <b>2016</b> , 22, 743-9	5.8	18
43	A heterotrimer model of the complete Microprocessor complex revealed by single-molecule subunit counting. <i>Rna</i> , <b>2016</b> , 22, 175-83	5.8	28
42	Calcium signaling and transcription: elongation, DoGs, and eRNAs. <i>Receptors &amp; Clinical Investigation</i> , <b>2016</b> , 3,		5
41	Myriad Triple-Helix-Forming Structures in the Transposable Element RNAs of Plants and Fungi. <i>Cell Reports</i> , <b>2016</b> , 15, 1266-76	10.6	20
40	A proximity-dependent assay for specific RNA-protein interactions in intact cells. <i>Rna</i> , <b>2016</b> , 22, 1785-1793	10.6	10
39	The host Integrator complex acts in transcription-independent maturation of herpesvirus microRNA 3' ends. <i>Genes and Development</i> , <b>2015</b> , 29, 1552-64	12.6	30
38	Widespread Inducible Transcription Downstream of Human Genes. <i>Molecular Cell</i> , <b>2015</b> , 59, 449-61	17.6	90
37	In silico discovery and modeling of non-coding RNA structure in viruses. <i>Methods</i> , <b>2015</b> , 91, 48-56	4.6	2
36	Viral noncoding RNAs: more surprises. <i>Genes and Development</i> , <b>2015</b> , 29, 567-84	12.6	130
35	Noncoding RNA-guided recruitment of transcription factors: A prevalent but undocumented mechanism?. <i>BioEssays</i> , <b>2015</b> , 37, 936-41	4.1	10
34	Herpesvirus saimiri MicroRNAs Preferentially Target Host Cell Cycle Regulators. <i>Journal of Virology</i> , <b>2015</b> , 89, 10901-11	6.6	12

33	RNA-RNA base-pairing: theme and variations. <i>Rna</i> , <b>2015</b> , 21, 476-7	5.8	9
32	EBV noncoding RNA binds nascent RNA to drive host PAX5 to viral DNA. <i>Cell</i> , <b>2015</b> , 160, 607-618	56.2	104
31	Proteomics and Transcriptomics of BJAB Cells Expressing the Epstein-Barr Virus Noncoding RNAs EBER1 and EBER2. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124638	3.7	19
30	Noncoding RNAs: small, large and viral. <i>FASEB Journal</i> , <b>2015</b> , 29, 21.1	0.9	
29	The noncoding RNA revolution-trashing old rules to forge new ones. <i>Cell</i> , <b>2014</b> , 157, 77-94	56.2	1466
28	Alternative capture of noncoding RNAs or protein-coding genes by herpesviruses to alter host T cell function. <i>Molecular Cell</i> , <b>2014</b> , 54, 67-79	17.6	48
27	3UBiotin-tagged microRNA-27 does not associate with Argonaute proteins in cells. <i>Rna</i> , <b>2014</b> , 20, 985-8	5.8	20
26	Virus meets host microRNA: the destroyer, the booster, the hijacker. <i>Molecular and Cellular Biology</i> , <b>2014</b> , 34, 3780-7	4.8	69
25	Structural insights into the stabilization of MALAT1 noncoding RNA by a bipartite triple helix. <i>Nature Structural and Molecular Biology</i> , <b>2014</b> , 21, 633-40	17.6	156
24	Nuclear translocation and regulation of intranuclear distribution of cytoplasmic poly(A)-binding protein are distinct processes mediated by two Epstein Barr virus proteins. <i>PLoS ONE</i> , <b>2014</b> , 9, e92593	3.7	15
23	Versatile microRNA biogenesis in animals and their viruses. <i>RNA Biology</i> , <b>2014</b> , 11, 673-81	4.8	42
22	RNA families in Epstein-Barr virus. <i>RNA Biology</i> , <b>2014</b> , 11, 10-7	4.8	37
21	Mammalian 5Ucapped microRNA precursors that generate a single microRNA. <i>Cell</i> , <b>2013</b> , 155, 1568-80	56.2	141
20	Conservation of a triple-helix-forming RNA stability element in noncoding and genomic RNAs of diverse viruses. <i>Cell Reports</i> , <b>2012</b> , 2, 26-32	10.6	74
19	Formation of triple-helical structures by the 3Uend sequences of MALAT1 and MEN1noncoding RNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 19202-7	11.5	195
18	Noncoding RNPs of viral origin. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2011</b> , 3,	10.2	25
17	A viral nuclear noncoding RNA binds re-localized poly(A) binding protein and is required for late KSHV gene expression. <i>PLoS Pathogens</i> , <b>2011</b> , 7, e1002300	7.6	101
16	Poly(A) tail recognition by a viral RNA element through assembly of a triple helix. <i>Science</i> , <b>2010</b> , 330, 1244-7	33.3	122

15	miRNPs: versatile regulators of gene expression in vertebrate cells. <i>Biochemical Society Transactions</i> , <b>2009</b> , 37, 931-5	5.1	46
14	Mutational analysis of a viral RNA element that counteracts rapid RNA decay by interaction with the polyadenylate tail. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 10412-7	11.5	48
13	Identification of a rapid mammalian deadenylation-dependent decay pathway and its inhibition by a viral RNA element. <i>Molecular Cell</i> , <b>2006</b> , 24, 943-53	17.6	87
12	RNA determinants and protein components of the histone pre-mRNA processing machinery. <i>FASEB Journal</i> , <b>2006</b> , 20, A930	0.9	
11	A Kaposi's sarcoma virus RNA element that increases the nuclear abundance of intronless transcripts. <i>EMBO Journal</i> , <b>2005</b> , 24, 1831-41	13	91
10	Commentary: Bio2010--new challenges for biology educators. <i>CBE: Life Sciences Education</i> , <b>2003</b> , 2, 87-91		17
9	Protein ligands mediate the CRM1-dependent export of HuR in response to heat shock. <i>Rna</i> , <b>2001</b> , 7, 1348-61	5.8	127
8	A mammalian gene with introns instead of exons generating stable RNA products. <i>Nature</i> , <b>1996</b> , 379, 464-6	50.4	259
7	A new interaction between the mouse 5' external transcribed spacer of pre-rRNA and U3 snRNA detected by psoralen crosslinking. <i>Nucleic Acids Research</i> , <b>1992</b> , 20, 5375-82	20.1	64
6	Trans splicing involves a novel form of small nuclear ribonucleoprotein particles. <i>Nature</i> , <b>1988</b> , 335, 559-62	50.4	205
5	Deciphering the mysteries of RNA-containing lupus antigens. <i>Arthritis and Rheumatism</i> , <b>1982</b> , 25, 761-6		23
4	Nucleotide sequence of gamma delta resolvase gene and demonstration that its gene product acts as a repressor of transcription. <i>Nature</i> , <b>1982</b> , 300, 381-3	50.4	53
3	Are snRNPs involved in splicing?. <i>Nature</i> , <b>1980</b> , 283, 220-4	50.4	1159
2	Direct physical evidence for secondary structure in an isolated fragment of R17 bacteriophage mRNA. <i>Nature</i> , <b>1974</b> , 248, 204-8	50.4	79
1	Specific recognition of the isolated R17 replicase initiator region by R17 coat protein. <i>Nature</i> , <b>1974</b> , 248, 223-5	50.4	19