Alice Telesnitsky

List of Publications by Year
in descending order

49 papers	2,180 citations	201674 27 h-index	223800 46 g-index
51 all docs	51 docs citations	51 times ranked	1650 citing authors

#	Article	IF	Citations
1	NMR Detection of Structures in the HIV-1 5â€²-Leader RNA That Regulate Genome Packaging. Science, 2011, 334, 242-245.	12.6	227
2	Structure of the HIV-1 RNA packaging signal. Science, 2015, 348, 917-921.	12.6	211
3	The Remarkable Frequency of Human Immunodeficiency Virus Type 1 Genetic Recombination. Microbiology and Molecular Biology Reviews, 2009, 73, 451-480.	6.6	139
4	Identification of a Minimal Region of the HIV-1 5â€²-Leader Required for RNA Dimerization, NC Binding, and Packaging. Journal of Molecular Biology, 2012, 417, 224-239.	4.2	89
5	7SL RNA, but not the 54-kd signal recognition particle protein, is an abundant component of both infectious HIV-1 and minimal virus-like particles. Rna, 2006, 12, 542-546.	3.5	85
6	Retroviral RNA Dimerization and Packaging: The What, How, When, Where, and Why. PLoS Pathogens, 2010, 6, e1001007.	4.7	83
7	Transcriptional start site heterogeneity modulates the structure and function of the HIV-1 genome. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13378-13383.	7.1	78
8	Structural basis for transcriptional start site control of HIV-1 RNA fate. Science, 2020, 368, 413-417.	12.6	76
9	Human Immunodeficiency Virus Type 1 Genetic Recombination Is More Frequent Than That of Moloney Murine Leukemia Virus despite Similar Template Switching Rates. Journal of Virology, 2003, 77, 4577-4587.	3.4	69
10	[27] Assays for retroviral reverse transcriptase. Methods in Enzymology, 1995, 262, 347-362.	1.0	68
11	Nonrandom Packaging of Host RNAs in Moloney Murine Leukemia Virus. Journal of Virology, 2005, 79, 13528-13537.	3.4	64
12	Structure of a Conserved Retroviral RNA Packaging Element by NMR Spectroscopy and Cryo-Electron Tomography. Journal of Molecular Biology, 2010, 404, 751-772.	4.2	63
13	Altering the Intracellular Environment Increases the Frequency of Tandem Repeat Deletion during Moloney Murine Leukemia Virus Reverse Transcription. Journal of Virology, 1999, 73, 8441-8447.	3.4	56
14	Multiple, Switchable Protein:RNA Interactions Regulate Human Immunodeficiency Virus Type 1 Assembly. Annual Review of Virology, 2018, 5, 165-183.	6.7	50
15	Identification of the initial nucleocapsid recognition element in the HIV-1 RNA packaging signal. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17737-17746.	7.1	50
16	An RNA Structural Switch Regulates Diploid Genome Packaging by Moloney Murine Leukemia Virus. Journal of Molecular Biology, 2010, 396, 141-152.	4.2	46
17	Analysis of the human immunodeficiency virus-1 RNA packageome. Rna, 2016, 22, 1228-1238.	3.5	46
18	Frequency of Direct Repeat Deletion in a Human Immunodeficiency Virus Type 1 Vector during Reverse Transcription in Human Cells. Virology, 2001, 286, 475-482.	2.4	43

#	Article	IF	Citations
19	Nonrandom Dimerization of Murine Leukemia Virus Genomic RNAs. Journal of Virology, 2004, 78, 12129-12139.	3.4	41
20	Effects of Limiting Homology at the Site of Intermolecular Recombinogenic Template Switching during Moloney Murine Leukemia Virus Replication. Journal of Virology, 2001, 75, 11263-11274.	3.4	40
21	A retrovirus packages nascent host noncoding RNAs from a novel surveillance pathway. Genes and Development, 2015, 29, 646-657.	5.9	40
22	The Host RNAs in Retroviral Particles. Viruses, 2016, 8, 235.	3.3	40
23	Replication of Lengthened Moloney Murine Leukemia Virus Genomes Is Impaired at Multiple Stages. Journal of Virology, 2000, 74, 2694-2702.	3.4	37
24	Packaging of Host mY RNAs by Murine Leukemia Virus May Occur Early in Y RNA Biogenesis. Journal of Virology, 2009, 83, 12526-12534.	3.4	37
25	7SL RNA Is Retained in HIV-1 Minimal Virus-Like Particles as an S-Domain Fragment. Journal of Virology, 2010, 84, 9070-9077.	3.4	34
26	Host RNA Packaging by Retroviruses: A Newly Synthesized Story. MBio, 2016, 7, e02025-15.	4.1	32
27	Two distinct Moloney murine leukemia virus RNAs produced from a single locus dimerize at random. Virology, 2006, 344, 391-400.	2.4	29
28	Cis-acting elements required for strong stop acceptor template selection during moloney murine leukemia virus reverse transcription. Journal of Molecular Biology, 1998, 281, 1-15.	4.2	27
29	Effects of 3â€² Untranslated Region Mutations on Plus-Strand Priming during Moloney Murine Leukemia Virus Replication. Journal of Virology, 1999, 73, 948-957.	3.4	27
30	RNase H Activity Is Required for High-Frequency Repeat Deletion during Moloney Murine Leukemia Virus Replication. Journal of Virology, 2002, 76, 88-95.	3.4	26
31	5â€²-Cap sequestration is an essential determinant of HIV-1 genome packaging. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	26
32	Structure-Based Moloney Murine Leukemia Virus Reverse Transcriptase Mutants with Altered Intracellular Direct-Repeat Deletion Frequencies. Journal of Virology, 2000, 74, 9629-9636.	3.4	22
33	Human Immunodeficiency Virus Type 1 Transductive Recombination Can Occur Frequently and in Proportion to Polyadenylation Signal Readthrough. Journal of Virology, 2004, 78, 3419-3428.	3.4	22
34	Influence of gag and RRE Sequences on HIV-1 RNA Packaging Signal Structure and Function. Journal of Molecular Biology, 2018, 430, 2066-2079.	4.2	21
35	cis-Acting Determinants of 7SL RNA Packaging by HIV-1. Journal of Virology, 2012, 86, 7934-7942.	3.4	19
36	Pseudodiploid Genome Organization Aids Full-Length Human Immunodeficiency Virus Type 1 DNA Synthesis. Journal of Virology, 2008, 82, 2376-2384.	3.4	18

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37	Retroviruses: Molecular Biology, Genomics and Pathogenesis. Future Virology, 2010, 5, 539-543.	1.8	15
38	Stability and conformation of the dimeric HIV-1 genomic RNA 5â€²UTR. Biophysical Journal, 2021, 120, 4874-4890.	0.5	13
39	Characterization of a natural heterodimer between MLV genomic RNA and the SDâ€² retroelement generated by alternative splicing. Rna, 2007, 13, 2266-2276.	3.5	12
40	HIV-1 spliced RNAs display transcription start site bias. Rna, 2020, 26, 708-714.	3.5	11
41	Evidence for the acquisition of multi-drug resistance in an HIV-1 clinical isolate via human sequence transduction. Virology, 2006, 351, 1-6.	2.4	9
42	Mismatch Extension During Strong Stop Strand Transfer and Minimal Homology Requirements for Replicative Template Switching During Moloney Murine Leukemia Virus Replication. Journal of Molecular Biology, 2003, 330, 657-674.	4.2	8
43	Flexibility in Nucleic Acid Binding Is Central to APOBEC3H Antiviral Activity. Journal of Virology, 2019, 93, .	3.4	8
44	Resolution of Specific Nucleotide Mismatches by Wild-Type and AZT-Resistant Reverse Transcriptases during HIV-1 Replication. Journal of Molecular Biology, 2016, 428, 2275-2288.	4.2	7
45	Effects of Identity Minimization on Moloney Murine Leukemia Virus Template Recognition and Frequent Tertiary Template-Directed Insertions during Nonhomologous Recombination. Journal of Virology, 2007, 81, 12156-12168.	3.4	5
46	Stable integrant-specific differences in bimodal HIV-1 expression patterns revealed by high-throughput analysis. PLoS Pathogens, 2019, 15, e1007903.	4.7	5
47	Moloney murine leukemia virus genomic RNA packaged in the absence of a full complement of wild type nucleocapsid protein. Virology, 2012, 430, 100-109.	2.4	3
48	Determinants of Moloney Murine Leukemia Virus Gag-Pol and Genomic RNA Proportions. Journal of Virology, 2014, 88, 7267-7275.	3.4	3
49	Bimodal Expression Patterns, and Not Viral Burst Sizes, Predict the Effects of Vpr on HIV-1 Proviral Populations in Jurkat Cells. MBio, 2022, , e0374821.	4.1	0