

Marylene Mougel

List of Publications by Year in descending order

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64
papers

3,103
citations

172457

29
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161849

54
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65
docs citations

65
times ranked

1828
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative analysis of the formation of nucleoprotein complexes between HIV-1 Gag protein and genomic RNA using transmission electron microscopy. <i>Journal of Biological Chemistry</i> , 2022, 298, 101500.	3.4	4
2	Optical Quantification by Nanopores of Viruses, Extracellular Vesicles, and Nanoparticles. <i>Nano Letters</i> , 2022, 22, 3651-3658.	9.1	4
3	NXF1 and CRM1 nuclear export pathways orchestrate nuclear export, translation and packaging of murine leukaemia retrovirus unspliced RNA. <i>RNA Biology</i> , 2020, 17, 528-538.	3.1	23
4	Advances in Continuous Microfluidics-Based Technologies for the Study of HIV Infection. <i>Viruses</i> , 2020, 12, 982.	3.3	9
5	Murine Leukemia Virus P50 Protein Counteracts APOBEC3 by Blocking Its Packaging. <i>Journal of Virology</i> , 2020, 94, .	3.4	9
6	Nanoscale organization of tetraspanins during HIV-1 budding by correlative dSTORM/AFM. <i>Nanoscale</i> , 2019, 11, 6036-6044.	5.6	35
7	In cell mutational interference mapping experiment (in cell MIME) identifies the 5' polyadenylation signal as a dual regulator of HIV-1 genomic RNA production and packaging. <i>Nucleic Acids Research</i> , 2018, 46, e57-e57.	14.5	31
8	Sensing of HIV-1 Entry Triggers a Type I Interferon Response in Human Primary Macrophages. <i>Journal of Virology</i> , 2017, 91, .	3.4	42
9	Current Peptide and Protein Candidates Challenging HIV Therapy beyond the Vaccine Era. <i>Viruses</i> , 2017, 9, 281.	3.3	21
10	From Cells to Virus Particles: Quantitative Methods to Monitor RNA Packaging. <i>Viruses</i> , 2016, 8, 239.	3.3	13
11	Imaging HIV-1 RNA dimerization in cells by multicolor super-resolution and fluctuation microscopies. <i>Nucleic Acids Research</i> , 2016, 44, 7922-7934.	14.5	35
12	Requirements for nucleocapsid-mediated regulation of reverse transcription during the late steps of HIV-1 assembly. <i>Scientific Reports</i> , 2016, 6, 27536.	3.3	8
13	HIV-1 nucleocapsid and ESCRT-component Tsg101 interplay prevents HIV from turning into a DNA-containing virus. <i>Nucleic Acids Research</i> , 2015, 43, 336-347.	14.5	27
14	Insights into the nuclear export of murine leukemia virus intron-containing RNA. <i>RNA Biology</i> , 2015, 12, 942-949.	3.1	9
15	Characterization of laccase-grafted ceramic membranes for pharmaceuticals degradation. <i>Journal of Membrane Science</i> , 2015, 476, 384-393.	8.2	68
16	MLV requires Tap/NXF1-dependent pathway to export its unspliced RNA to the cytoplasm and to express both spliced and unspliced RNAs. <i>Retrovirology</i> , 2014, 11, 21.	2.0	12
17	A pyrophosphatase activity associated with purified HIV-1 particles. <i>Biochimie</i> , 2012, 94, 2498-2507.	2.6	1
18	MoMuLV and HIV-1 Nucleocapsid Proteins Have a Common Role in Genomic RNA Packaging but Different in Late Reverse Transcription. <i>PLoS ONE</i> , 2012, 7, e51534.	2.5	4

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19	Cell biology of retroviral RNA packaging. <i>RNA Biology</i> , 2011, 8, 572-580.	3.1	49
20	Role of HIV-1 RNA and protein determinants for the selective packaging of spliced and unspliced viral RNA and host U6 and 7SL RNA in virus particles. <i>Nucleic Acids Research</i> , 2011, 39, 8915-8927.	14.5	58
21	In vitro and in vivo cleavage of HIV-1 RNA by new SOFA-HDV ribozymes and their potential to inhibit viral replication. <i>RNA Biology</i> , 2011, 8, 343-353.	3.1	17
22	Murine leukemia virus RNA dimerization is coupled to transcription and splicing processes. <i>Retrovirology</i> , 2010, 7, 64.	2.0	15
23	Implications of the Nucleocapsid and the Microenvironment in Retroviral Reverse Transcription. <i>Viruses</i> , 2010, 2, 939-960.	3.3	13
24	Uracil DNA Glycosylase 2 negatively regulates HIV-1 LTR transcription. <i>Nucleic Acids Research</i> , 2009, 37, 6008-6018.	14.5	24
25	When is it time for reverse transcription to start and go?. <i>Retrovirology</i> , 2009, 6, 24.	2.0	51
26	Inhibition of HIV-1 expression and replication by SOFA-HDV ribozymes against Tat and Rev mRNA sequences. <i>Retrovirology</i> , 2009, 6, .	2.0	0
27	A new role of the HIV-1 nucleocapsid in the spatiotemporal control of the reverse transcription throughout the virus replication cycle. <i>Retrovirology</i> , 2009, 6, .	2.0	0
28	HIV-1 specifically encapsidates other nucleic acids than its genomic RNA. <i>Retrovirology</i> , 2009, 6, .	2.0	0
29	Uracil DNA glycosylase 2 negatively regulates HIV-1 LTR transcription. <i>Retrovirology</i> , 2009, 6, .	2.0	0
30	Nucleocapsid mutations turn HIV-1 into a DNA-containing virus. <i>Nucleic Acids Research</i> , 2008, 36, 2311-2319.	14.5	53
31	The conserved N-terminal basic residues and zinc-finger motifs of HIV-1 nucleocapsid restrict the viral cDNA synthesis during virus formation and maturation. <i>Nucleic Acids Research</i> , 2008, 36, 4745-4753.	14.5	29
32	HIV controls the selective packaging of genomic, spliced viral and cellular RNAs into virions through different mechanisms. <i>Nucleic Acids Research</i> , 2007, 35, 2695-2704.	14.5	85
33	Characterization of a natural heterodimer between MLV genomic RNA and the SD ² retroelement generated by alternative splicing. <i>Rna</i> , 2007, 13, 2266-2276.	3.5	12
34	Fully-spliced HIV-1 RNAs are reverse transcribed with similar efficiencies as the genomic RNA in virions and cells, but more efficiently in AZT-treated cells. <i>Retrovirology</i> , 2007, 4, 30.	2.0	31
35	Intracellular HIV-1 Gag localization is impaired by mutations in the nucleocapsid zinc fingers. <i>Retrovirology</i> , 2007, 4, 54.	2.0	68
36	Intracellular assembly and budding of the Murine Leukemia Virus in infected cells. <i>Retrovirology</i> , 2006, 3, 12.	2.0	23

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37	The Highly Structured Encapsidation Signal of MuLV RNA is Involved in the Nuclear Export of its Unspliced RNA. <i>Journal of Molecular Biology</i> , 2005, 354, 1118-1128.	4.2	29
38	Activation of c-myc by 5'LTR retrovirus promoter insertion in myeloid neoplasms is dependent upon an intact alternative splice donor site (SD) in gag. <i>Virology</i> , 2004, 330, 398-407.	2.4	7
39	A new retroelement constituted by a natural alternatively spliced RNA of murine replication-competent retroviruses. <i>EMBO Journal</i> , 2003, 22, 4866-4875.	7.8	21
40	Retroviral Genomic RNAs Are Transported to the Plasma Membrane by Endosomal Vesicles. <i>Developmental Cell</i> , 2003, 5, 161-174.	7.0	138
41	A Novel Subgenomic Murine Leukemia Virus RNA Transcript Results from Alternative Splicing. <i>Journal of Virology</i> , 2000, 74, 3709-3714.	3.4	29
42	Introduction of a cis-Acting Mutation in the Capsid-Coding Gene of Moloney Murine Leukemia Virus Extends Its Leukemogenic Properties. <i>Journal of Virology</i> , 1999, 73, 10472-10479.	3.4	17
43	Dimerization of MoMuLV Genomic RNA: Redefinition of the Role of the Palindromic Stem Loop H1 (278-303) and New Roles for Stem Loops H2 (310-352) and H3 (355-374). <i>Biochemistry</i> , 1998, 37, 6077-6085.	2.5	54
44	Modified nucleotides of tRNA Pro restrict interactions in the binary Primer/Template complex of M-MuLV 1. Edited by J. Karn. <i>Journal of Molecular Biology</i> , 1998, 275, 731-746.	4.2	23
45	A role for two hairpin structures as a core RNA encapsidation signal in murine leukemia virus virions. <i>Journal of Virology</i> , 1997, 71, 8061-8065.	3.4	59
46	cis-active structural motifs involved in specific encapsidation of Moloney murine leukemia virus RNA. <i>Journal of Virology</i> , 1996, 70, 5043-5050.	3.4	71
47	Role of conserved nucleotides in building the 16S rRNA binding site of E. coli ribosomal protein S8. <i>Nucleic Acids Research</i> , 1994, 22, 3708-3714.	14.5	29
48	The ribosomal protein S8 from <i>Thermus thermophilus</i> VK1. Sequencing of the gene, overexpression of the protein in <i>Escherichia coli</i> and interaction with rRNA. <i>FEBS Journal</i> , 1994, 223, 437-445.	0.2	21
49	Minimal 16S rRNA binding site and role of conserved nucleotides in <i>Escherichia coli</i> ribosomal protein S8 recognition. <i>FEBS Journal</i> , 1993, 215, 787-792.	0.2	41
50	Spontaneous dimerization of retroviral MoMuLV RNA. <i>Biochimie</i> , 1993, 75, 681-686.	2.6	13
51	Conformational analysis of the 5' leader and the gag initiation site of Mo-MuLV RNA and allosteric transitions induced by dimerization. <i>Nucleic Acids Research</i> , 1993, 21, 4677-4684.	14.5	64
52	Effect of dimerization on the conformation of the encapsidation Psi domain of Moloney murine leukemia virus RNA. <i>Journal of Molecular Biology</i> , 1992, 223, 205-220.	4.2	118
53	Dimerization of human immunodeficiency virus (type 1) RNA: stimulation by cations and possible mechanism. <i>Nucleic Acids Research</i> , 1991, 19, 2349-2357.	14.5	202
54	An analytical study of the dimerization of in vitro generated RNA of Moloney murine leukemia virus MoMuLV. <i>Nucleic Acids Research</i> , 1990, 18, 7287-7292.	14.5	74

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55	Target site of Escherichia coli ribosomal protein S15 on its messenger RNA. Journal of Molecular Biology, 1990, 211, 415-426.	4.2	69
56	Probing the phosphates of the Escherichia coli ribosomal 16S RNA in its naked form, in the 30S subunit, and in the 70S ribosome. Biochemistry, 1989, 28, 5847-5855.	2.5	32
57	Crosslinking of ribosomal protein S18 to 16 S RNA in E. coli ribosomal 30 S subunits by the use of a reversible crosslinking agent: Trans-diamminedichloroplatinum(II). FEBS Letters, 1988, 228, 1-6.	2.8	11
58	The E. coli 16S rRNA binding site of ribosomal protein S15: higher-order structure in the absence and in the presence of the protein. Nucleic Acids Research, 1988, 16, 2825-2839.	14.5	36
59	Higher-order structure of domain III in Escherichia coli 16S ribosomal RNA, 30S subunit and 70S ribosome. Biochimie, 1987, 69, 1081-1096.	2.6	50
60	Probing the structure of RNAs in solution. Nucleic Acids Research, 1987, 15, 9109-9128.	14.5	751
61	Binding of Escherichia coli ribosomal protein S8 to 16 S rRNA. Journal of Molecular Biology, 1987, 198, 91-107.	4.2	99
62	Trans-diamminedichloroplatinum(II), a reversible RNA-protein cross-linking agent. Application to the ribosome and to an aminoacyl-tRNA synthetase/tRNA complex. Biochemistry, 1987, 26, 5200-5208.	2.5	35
63	Binding of Escherichia coli ribosomal protein S8 to 16S rRNA: kinetic and thermodynamic characterization. Biochemistry, 1986, 25, 2756-2765.	2.5	45
64	Cross-linking of initiation factor IF3 to Escherichia coli 30S ribosomal subunit by trans-diamminedichloroplatinum(II): characterization of two cross-linking sites in 16S rRNA; a possible way of functioning for IF3. Nucleic Acids Research, 1986, 14, 4803-4821.	14.5	81