jean-christophe Paillart

List of Publications by Year
in descending order

69	4,145	109321 35	118850 62
papers	citations	h-index	g-index

75	75	75	2934
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural maturation of the HIV-1 RNA 5â€™ untranslated region by Pr55 ^{Gag} and its maturation products. RNA Biology, 2022, 19, 191-205.	3.1	6
2	A Conserved uORF Regulates APOBEC3G Translation and Is Targeted by HIV-1 Vif Protein to Repress the Antiviral Factor. Biomedicines, 2022, 10, 13.	3.2	5
3	Post-Translational Modifications of Retroviral HIV-1 Gag Precursors: An Overview of Their Biological Role. International Journal of Molecular Sciences, 2021, 22, 2871.	4.1	10
4	Degradation-Independent Inhibition of APOBEC3G by the HIV-1 Vif Protein. Viruses, 2021, 13, 617.	3.3	13
5	Importance of Viral Late Domains in Budding and Release of Enveloped RNA Viruses. Viruses, 2021, 13, 1559.	3.3	15
6	Chemical and Enzymatic Probing of Viral RNAs: From Infancy to Maturity and Beyond. Viruses, 2021, 13, 1894.	3.3	5
7	The HIV-1 Nucleocapsid Regulates Its Own Condensation by Phase-Separated Activity-Enhancing Sequestration of the Viral Protease during Maturation. Viruses, 2021, 13, 2312.	3.3	8
8	Zinc Fingers in HIV-1 Gag Precursor Are Not Equivalent for gRNA Recruitment at the Plasma Membrane. Biophysical Journal, 2020, 119, 419-433.	0.5	15
9	Dynamic nanopore long-read sequencing analysis of HIV-1 splicing events during the early steps of infection. Retrovirology, 2020, 17, 25.	2.0	23
10	The evolution of RNA structural probing methods: From gels to nextâ€generation sequencing. Wiley Interdisciplinary Reviews RNA, 2019, 10, e1518.	6.4	33
11	In cell mutational interference mapping experiment (in cell MIME) identifies the 5â€² polyadenylation signal as a dual regulator of HIV-1 genomic RNA production and packaging. Nucleic Acids Research, 2018, 46, e57-e57.	14.5	31
12	The C-terminal p6 domain of the HIV-1 Pr55^{Gag}precursor is required for specific binding to the genomic RNA. RNA Biology, 2018, 15, 923-936.	3.1	37
13	Retroviral RNA Dimerization: From Structure to Functions. Frontiers in Microbiology, 2018, 9, 527.	3.5	67
14	Structural and Functional Motifs in Influenza Virus RNAs. Frontiers in Microbiology, 2018, 9, 559.	3.5	65
15	APOBEC3F/G and Vif: Action and Counteractions. , 2018, , 122-133.		0
16	Argonaute proteins regulate HIV-1 multiply spliced RNA and viral production in a Dicer independent manner. Nucleic Acids Research, 2017, 45, gkw1289.	14.5	18
17	Molecular architecture and dynamics of ASH1 mRNA recognition by its mRNA-transport complex. Nature Structural and Molecular Biology, 2017, 24, 152-161.	8.2	40
18	HIV-1 Pr55^{Gag}binds genomic and spliced RNAs with different affinity and stoichiometry. RNA Biology, 2017, 14, 90-103.	3.1	55

#	ARTICLE	IF	CITATIONS
19	Hijacking of the Ubiquitin/Proteasome Pathway by the HIV Auxiliary Proteins. Viruses, 2017, 9, 322.	3.3	53
20	The Life-Cycle of the HIV-1 Gagâ€“RNA Complex. Viruses, 2016, 8, 248.	3.3	80
21	Translational regulation of APOBEC3G mRNA by Vif requires its 5â€²UTR and contributes to restoring HIV-1 infectivity. Scientific Reports, 2016, 6, 39507.	3.3	26
22	Requirements for nucleocapsid-mediated regulation of reverse transcription during the late steps of HIV-1 assembly. Scientific Reports, 2016, 6, 27536.	3.3	8
23	Characterization of the interaction between the HIV-1 Gag structural polyprotein and the cellular ribosomal protein L7 and its implication in viral nucleic acid remodeling. Retrovirology, 2016, 13, 54.	2.0	17
24	The HDAC6/APOBEC3G complex regulates HIV-1 infectiveness by inducing Vif autophagic degradation. Retrovirology, 2015, 12, 53.	2.0	48
25	Evaluation of Anti-HIV-1 Mutagenic Nucleoside Analogues. Journal of Biological Chemistry, 2015, 290, 371-383.	3.4	8
26	Mutational interference mapping experiment (MIME) for studying RNA structure and function. Nature Methods, 2015, 12, 866-872.	19.0	63
27	HIV-1 Replication and the Cellular Eukaryotic Translation Apparatus. Viruses, 2015, 7, 199-218.	3.3	45
28	HIV-1 viral infectivity factor interacts with microtubule-associated protein light chain 3 and inhibits autophagy. Aids, 2015, 29, 275-286.	2.2	50
29	Characterization of RNA binding and chaperoning activities of HIV-1 Vif protein. RNA Biology, 2014, 11, 906-920.	3.1	13
30	Specific recognition of the HIV-1 genomic RNA by the Gag precursor. Nature Communications, 2014, 5, 4304.	12.8	103
31	RNA remarkably promotes HIV-1 protease fast turnover for NCp15 processing in mild acidic conditions leading to condensation of HIV-1 nucleocapsid. Retrovirology, 2013, 10, .	2.0	0
32	CTIP2 is a negative regulator of P-TEFb. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12655-12660.	7.1	86
33	APOBEC3G Impairs the Multimerization of the HIV-1 Vif Protein in Living Cells. Journal of Virology, 2013, 87, 6492-6506.	3.4	19
34	Interaction network linking the human H3N2 influenza A virus genomic RNA segments. Vaccine, 2012, 30, 7359-7367.	3.8	74
35	Initiation of HIV-1 reverse transcription and functional role of nucleocapsid-mediated tRNA/viral genome interactions. Virus Research, 2012, 169, 324-339.	2.2	37
36	The role of Vif oligomerization and RNA chaperone activity in HIV-1 replication. Virus Research, 2012, 169, 361-376.	2.2	13

#	ARTICLE	IF	CITATIONS
37	A supramolecular assembly formed by influenza A virus genomic RNA segments. Nucleic Acids Research, 2012, 40, 2197-2209.	14.5	149
38	Importance of the proline-rich multimerization domain on the oligomerization and nucleic acid binding properties of HIV-1 Vif. Nucleic Acids Research, 2011, 39, 2404-2415.	14.5	30
39	HIV-1 Vif binds to APOBEC3G mRNA and inhibits its translation. Nucleic Acids Research, 2010, 38, 633-646.	14.5	118
40	5-Modified-2â€²-dU and 2â€²-dC as Mutagenic Anti HIV-1 Proliferation Agents: Synthesis and Activity. Journal of Medicinal Chemistry, 2010, 53, 1534-1545.	6.4	22
41	Tumultuous Relationship between the Human Immunodeficiency Virus Type 1 Viral Infectivity Factor (Vif) and the Human APOBEC-3G and APOBEC-3F Restriction Factors. Microbiology and Molecular Biology Reviews, 2009, 73, 211-232.	6.6	61
42	HIV-1 specifically encapsidates other nucleic acids than its genomic RNA. Retrovirology, 2009, 6, .	2.0	0
43	Advances in the Structural Understanding of Vif Proteins. Current HIV Research, 2008, 6, 91-99.	0.5	42
44	Synthesis and primary evaluation of nucleoside analogues directed against HIV-1. , 2008, , .		0
45	RNA and DNA Binding Properties of HIV-1 Vif Protein. Journal of Biological Chemistry, 2007, 282, 26361-26368.	3.4	33
46	In Search of New Inhibitors of HIV-1 Replication: Synthesis and Study of 1-(2â€²-Deoxy-Î²-D-Ribofuranosyl)-1,2,4-Triazole-3-Carboxamide as a Selective Viral Mutagenic Agent. Nucleosides, Nucleotides and Nucleic Acids, 2007, 26, 743-746.	1.1	12
47	HIV controls the selective packaging of genomic, spliced viral and cellular RNAs into virions through different mechanisms. Nucleic Acids Research, 2007, 35, 2695-2704.	14.5	85
48	Vif is a RNA chaperone that could temporally regulate RNA dimerization and the early steps of HIV-1 reverse transcription. Nucleic Acids Research, 2007, 35, 5141-5153.	14.5	56
49	A structure-based approach for targeting the HIV-1 genomic RNA dimerization initiation site. Biochimie, 2007, 89, 1195-1203.	2.6	28
50	Synthesis of a Neamine Dimer Targeting the Dimerization Initiation Site of HIV-1 RNA. Organic Letters, 2007, 9, 4415-4418.	4.6	22
51	In vitro dimerization of human immunodeficiency virus type 1 (HIV-1) spliced RNAs. Rna, 2007, 13, 2141-2150.	3.5	22
52	Targeting the dimerization initiation site of HIV-1 RNA with aminoglycosides: from crystal to cell. Nucleic Acids Research, 2006, 34, 2328-2339.	14.5	94
53	Cooperative and Specific Binding of Vif to the 5â€² Region of HIV-1 Genomic RNA. Journal of Molecular Biology, 2005, 354, 55-72.	4.2	46
54	First Snapshots of the HIV-1 RNA Structure in Infected Cells and in Virions. Journal of Biological Chemistry, 2004, 279, 48397-48403.	3.4	127

#	ARTICLE	IF	CITATIONS
55	Structural Variability of the Initiation Complex of HIV-1 Reverse Transcription. Journal of Biological Chemistry, 2004, 279, 35923-35931.	3.4	42
56	Dimerization of retroviral RNA genomes: an inseparable pair. Nature Reviews Microbiology, 2004, 2, 461-472.	28.6	257
57	HIV-1 RNA Dimerization Initiation Site Is Structurally Similar to the Ribosomal A Site and Binds Aminoglycoside Antibiotics. Journal of Biological Chemistry, 2003, 278, 2723-2730.	3.4	58
58	In Vitro Evidence for a Long Range Pseudoknot in the 5â€²-Untranslated and Matrix Coding Regions of HIV-1 Genomic RNA. Journal of Biological Chemistry, 2002, 277, 5995-6004.	3.4	90
59	Dimerization of HIV-1 genomic RNA of subtypes A and B: RNA loop structure and magnesium binding. Rna, 1999, 5, 1222-1234.	3.5	83
60	Opposing Effects of Human Immunodeficiency Virus Type 1 Matrix Mutations Support a Myristyl Switch Model of Gag Membrane Targeting. Journal of Virology, 1999, 73, 2604-2612.	3.4	136
61	Oligonucleotide-Mediated Inhibition of Genomic RNA Dimerization of HIV-1 Strains MAL and LAI: A Comparative Analysis. Oligonucleotides, 1998, 8, 517-529.	4.3	19
62	Non-canonical interactions in a kissing loop complex: the dimerization initiation site of HIV-1 genomic RNA. Journal of Molecular Biology, 1997, 270, 36-49.	4.2	141
63	Dimerization of retroviral genomic RNAs: structural and functional implications. Biochimie, 1996, 78, 639-653.	2.6	131
64	A loop-loop "kissing" complex is the essential part of the dimer linkage of genomic HIV-1 RNA.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5572-5577.	7.1	253
65	The use of chemical modification interference and inverse PCR mutagenesis to identify the dimerization initiation site of HIV-1 genomic RNA. Pharmaceutica Acta Helvetiae, 1996, 71, 21-28.	1.2	7
66	Mechanisms of Inhibition of in Vitro Dimerization of HIV Type I RNA by Sense and Antisense Oligonucleotides. Journal of Biological Chemistry, 1996, 271, 28812-28817.	3.4	36
67	A dual role of the putative RNA dimerization initiation site of human immunodeficiency virus type 1 in genomic RNA packaging and proviral DNA synthesis. Journal of Virology, 1996, 70, 8348-8354.	3.4	190
68	Dimerization of human immunodeficiency virus type 1 RNA involves sequences located upstream of the splice donor site. Nucleic Acids Research, 1994, 22, 145-151.	14.5	133
69	Identification of the primary site of the human immunodeficiency virus type 1 RNA dimerization in vitro.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 4945-4949.	7.1	415