Anne Gatignol

List of Publications by Year
in descending order

77	5,228	76326 40	88630 70
papers	citations	h-index	g-index

85	85	85	4561
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TRBP, a regulator of cellular PKR and HIVâ€1 virus expression, interacts with Dicer and functions in RNA silencing. EMBO Reports, 2005, 6, 961-967.	4.5	595
2	TAR-independent activation of the HIV-1 LTR: Evidence that Tat requires specific regions of the promoter. Cell, 1990, 62, 757-767.	28.9	313
3	Combinatorial delivery of small interfering RNAs reduces RNAi efficacy by selective incorporation into RISC. Nucleic Acids Research, 2007, 35, 5154-5164.	14.5	249
4	Oncogenic potential of TAR RNA binding protein TRBP and its regulatory interaction with RNA-dependent protein kinase PKR. EMBO Journal, 1997, 16, 611-624.	7.8	213
5	Astrocyte Infection by HIV-1: Mechanisms of Restricted Virus Replication, and Role in the Pathogenesis of HIV-1-Associated Dementia. Current HIV Research, 2003, 1, 463-473.	0.5	181
6	Bleomycin resistance conferred by a drug-binding protein. FEBS Letters, 1988, 230, 171-175.	2.8	168
7	HIV-1 TAR RNA: The Target of Molecular Interactions Between the Virus and its Host. Current HIV Research, 2005, 3, 61-71.	0.5	167
8	Identification of cellular proteins that bind to the human immunodeficiency virus type 1 trans-activation-responsive TAR element RNA.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 7828-7832.	7.1	146
9	Relatedness of an RNA-binding motif in human immunodeficiency virus type 1 TAR RNA-binding protein TRBP to human P1/dsI kinase and Drosophila staufen.. Molecular and Cellular Biology, 1993, 13, 2193-2202.	2.3	139
10	Expression of Hepatitis C Virus Proteins Interferes with the Antiviral Action of Interferon Independently of PKR-Mediated Control of Protein Synthesis. Journal of Virology, 2000, 74, 5587-5596.	3.4	131
11	TRBP Control of PACT-Induced Phosphorylation of Protein Kinase R Is Reversed by Stress. Molecular and Cellular Biology, 2009, 29, 254-265.	2.3	120
12	Characterization of the TRBP domain required for Dicer interaction and function in RNA interference. BMC Molecular Biology, 2009, 10, 38.	3.0	117
13	ADAR1 Interacts with PKR during Human Immunodeficiency Virus Infection of Lymphocytes and Contributes to Viral Replication. Journal of Virology, 2009, 83, 10119-10128.	3.4	113
14	Identification of Staufen in the Human Immunodeficiency Virus Type 1 Gag Ribonucleoprotein Complex and a Role in Generating Infectious Viral Particles. Molecular and Cellular Biology, 2004, 24, 2637-2648.	2.3	111
15	Direct interactions between autoantigen La and human immunodeficiency virus leader RNA. Journal of Virology, 1994, 68, 7008-7020.	3.4	110
16	Trafficking of HIV-1 RNA is Mediated by Heterogeneous Nuclear Ribonucleoprotein A2 Expression and Impacts on Viral Assembly. Traffic, 2006, 7, 1177-1193.	2.7	105
17	Direct evidence for translational regulation by leader RNA and Tat protein of human immunodeficiency virus type 1.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 7492-7496.	7.1	103
18	Hepatitis C Virus Controls Interferon Production through PKR Activation. PLoS ONE, 2010, 5, e10575.	2.5	103

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19	RNA-induced silencing complex (RISC) Proteins PACT, TRBP, and Dicer are SRA binding nuclear receptor coregulators. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6536-6541.	7.1	94
20	Efficienttrans-activation by the HIV-2 Tat protein requires a duplicated TAR RNA structure. Nucleic Acids Research, 1990, 18, 1839-1846.	14.5	93
21	Interactions between the double-stranded RNA-binding proteins TRBP and PACT define the Medipal domain that mediates protein-protein interactions. RNA Biology, 2008, 5, 92-103.	3.1	93
22	Two Dimerization Domains in the Trans-activation Response RNA-binding Protein (TRBP) Individually Reverse the Protein Kinase R Inhibition of HIV-1 Long Terminal Repeat Expression. Journal of Biological Chemistry, 2001, 276, 33899-33905.	3.4	89
23	Enhancement of Replication of RNA Viruses by ADAR1 via RNA Editing and Inhibition of RNA-Activated Protein Kinase. Journal of Virology, 2011, 85, 8460-8466.	3.4	85
24	Phleomycin resistance encoded by the ble gene from transposon Tn 5 as a dominant selectable marker in Saccharomyces cerevisiae. Molecular Genetics and Genomics, 1987, 207, 342-348.	2.4	80
25	The Multiple Functions of TRBP, at the Hub of Cell Responses to Viruses, Stress, and Cancer. Microbiology and Molecular Biology Reviews, 2012, 76, 652-666.	6.6	77
26	Ribosomal proteins L5 and L11 co-operatively inactivate c-Myc via RNA-induced silencing complex. Oncogene, 2014, 33, 4916-4923.	5.9	77
27	The TAR RNA-binding Protein, TRBP, Stimulates the Expression of TAR-containing RNAs in Vitro and in VivoIndependently of Its Ability to Inhibit the dsRNA-dependent Kinase PKR. Journal of Biological Chemistry, 2003, 278, 4440-4448.	3.4	76
28	Dual role of TRBP in HIV replication and RNA interference: viral diversion of a cellular pathway or evasion from antiviral immunity?. Retrovirology, 2005, 2, 65.	2.0	76
29	Low TRBP Levels Support an Innate Human Immunodeficiency Virus Type 1 Resistance in Astrocytes by Enhancing the PKR Antiviral Response. Journal of Virology, 2005, 79, 12763-12772.	3.4	75
30	Cloning of Saccharomyces cerevisiae promoters using a probe vector based on phleomycin resistance. Gene, 1990, 91, 35-41.	2.2	72
31	Phleomycin resistance as a dominant selectable marker in CHO cells. Somatic Cell and Molecular Genetics, 1988, 14, 243-252.	0.7	66
32	Differential Regulation of HIV-1 Clade-Specific B, C, and E Long Terminal Repeats by NF-Î°B and the Tat Transactivator. Virology, 2002, 296, 77-83.	2.4	63
33	Multiple levels of PKR inhibition during HIVâ€1 replication. Reviews in Medical Virology, 2011, 21, 42-53.	8.3	60
34	Tat as a transcriptional activator and a potential therapeutic target for HIV-I. Advances in Pharmacology, 2000, 48, 209-227.	2.0	59
35	Small Interfering RNAs against the TAR RNA Binding Protein, TRBP, a Dicer Cofactor, Inhibit Human Immunodeficiency Virus Type 1 Long Terminal Repeat Expression and Viral Production. Journal of Virology, 2007, 81, 5121-5131.	3.4	58
36	A role for human Dicer in pre-RISC loading of siRNAs. Nucleic Acids Research, 2011, 39, 1510-1525.	14.5	57

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37	The PKR activator, PACT, becomes a PKR inhibitor during HIV-1 replication. Retrovirology, 2013, 10, 96.	2.0	56
38	Analysis of a binding difference between the two dsRNA-binding domains in TRBP reveals the modular function of a KR-helix motif. FEBS Journal, 2000, 267, 2419-2431.	0.2	46
39	Transcription of HIV: Tat and Cellular Chromatin. Advances in Pharmacology, 2007, 55, 137-159.	2.0	45
40	Genetic mapping in human and mouse of the locus encoding TRBP, a protein that binds the TAR region of the human immunodeficiency virus (HIV-1). Genomics, 1995, 25, 66-72.	2.9	42
41	An Arg/Lys-rich core peptide mimics TRBP binding to the HIV-1 TAR RNA upper-stem/loop. Journal of Molecular Biology, 1998, 279, 1085-1099.	4.2	37
42	Regulation of Human Immunodeficiency Virus Type 1 Gene Expression by Clade-Specific Tat Proteins. Journal of Virology, 2005, 79, 9180-9191.	3.4	37
43	RNA Interference Therapies for an HIV-1 Functional Cure. Viruses, 2018, 10, 8.	3.3	36
44	Organization of the Human tarbp2 Gene Reveals Two Promoters That Are Repressed in an Astrocytic Cell Line. Journal of Biological Chemistry, 2001, 276, 48803-48813.	3.4	31
45	Characterization of TRBP1 and TRBP2. Journal of Biomedical Science, 2000, 7, 494-506.	7.0	29
46	Higher Cytopathic Effects of a Zika Virus Brazilian Isolate from Bahia Compared to a Canadian-Imported Thai Strain. Viruses, 2018, 10, 53.	3.3	29
47	Inhibition of the inflammatory response to stress by targeting interaction between PKR and its cellular activator PACT. Scientific Reports, 2017, 7, 16129.	3.3	28
48	Cell-specific Regulation of TRBP1 Promoter by NF-Y Transcription Factor in Lymphocytes and Astrocytes. Journal of Molecular Biology, 2006, 355, 898-910.	4.2	25
49	HIV and Ribozymes. Advances in Experimental Medicine and Biology, 2015, 848, 97-116.	1.6	25
50	ADAR1 and PKR, interferon stimulated genes with clashing effects on HIV-1 replication. Cytokine and Growth Factor Reviews, 2018, 40, 48-58.	7.2	25
51	Induction of RNA-binding proteins in mammalian cells by DNA-damaging agents.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 1554-1558.	7.1	24
52	HIV-1 translation and its regulation by cellular factors PKR and PACT. Virus Research, 2014, 193, 65-77.	2.2	22
53	In vitro and in vivo cleavage of HIV-1 RNA by new SOFA-HDV ribozymes and their potential to inhibit viral replication. RNA Biology, 2011, 8, 343-353.	3.1	17
54	Additive Activity between theTrans-Activation Response RNA-Binding Protein, TRBP2, and Cyclin T1 on HIV Type 1 Expression and Viral Production in Murine Cells. AIDS Research and Human Retroviruses, 2003, 19, 767-778.	1.1	16

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55	A Conserved Target Site in HIV-1 Gag RNA is Accessible to Inhibition by Both an HDV Ribozyme and a Short Hairpin RNA. Molecular Therapy - Nucleic Acids, 2014, 3, e178.	5.1	16
56	HIV-1 RRE RNA acts as an RNA silencing suppressor by competing with TRBP-bound siRNAs. RNA Biology, 2015, 12, 123-135.	3.1	14
57	Design and Evaluation of Clinically Relevant SOFA-HDV Ribozymes Targeting HIV RNA. Methods in Molecular Biology, 2014, 1103, 31-43.	0.9	14
58	Effective Inhibition of HIV-1 Production by Short Hairpin RNAs and Small Interfering RNAs Targeting a Highly Conserved Site in HIV-1 Gag RNA Is Optimized by Evaluating Alternative Length Formats. Antimicrobial Agents and Chemotherapy, 2015, 59, 5297-5305.	3.2	13
59	Expression of TAR RNA-binding protein in baculovirus and co-immunoprecipitation with insect cell protein kinase. Journal of Biomedical Science, 1995, 2, 322-329.	7.0	12
60	Small RNAs to treat human immunodeficiency virus type 1 infection by gene therapy. Current Opinion in Virology, 2019, 38, 10-20.	5.4	11
61	Efficacy, accumulation, and transcriptional profile of anti-HIV shRNAs expressed from human U6, 7SK, and H1 promoters. Molecular Therapy - Nucleic Acids, 2021, 23, 1020-1034.	5.1	10
62	A U1i RNA that Enhances HIV-1 RNA Splicing with an Elongated Recognition Domain Is an Optimal Candidate for Combination HIV-1 Gene Therapy. Molecular Therapy - Nucleic Acids, 2019, 18, 815-830.	5.1	9
63	Identification of Limiting Steps for Efficient Trans-activation of HIV-1 Promoter by Tat in Saccharomyces cerevisiae. Journal of Biological Chemistry, 1998, 273, 28219-28228.	3.4	6
64	Profound downregulation of neural transcription factor Npas4 and Nr4a family in fetal mice neurons infected with Zika virus. PLoS Neglected Tropical Diseases, 2021, 15, e0009425.	3.0	5
65	[A second patient cured of HIV infection: hopes and limitations]. Virologie, 2019, 23, 1-4.	0.1	4
66	Evaluation of the Efficacy And Toxicity of RNAs Targeting HIV-1 Production for Use in Gene or Drug Therapy. Journal of Visualized Experiments, 2016, , .	0.3	3
67	Cloning and Detection of Aptamer-Ribozyme Conjugations. Methods in Molecular Biology, 2021, 2167, 253-267.	0.9	3
68	Expression of TAR RNA-Binding Protein in Baculovirus and Co-Immunoprecipitation with Insect Cell Protein Kinase. Journal of Biomedical Science, 1995, 2, 322-329.	7.0	1
69	The interferon-induced protein kinase R: the base of a riboprotein scaffolding regulating the human immunodeficiency virus. Virologie, 2017, 21, 211-224.	0.1	1
70	Inhibition of HIV-1 expression and replication by SOFA-HDV ribozymes against Tat and Rev mRNA sequences. Retrovirology, 2009, 6, .	2.0	0
71	HIV-1 replication changes the function of the PKR activator PACT. Retrovirology, 2013, 10, .	2.0	0
72	592. A Comparison of Length on the Potency and Toxicity of Small Interfering and Short Hairpin RNAs Targeting a Highly Conserved Site in HIV-1 RNA Coding for the Gag Polyprotein. Molecular Therapy, 2015, 23, S235-S236.	8.2	0

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73	Tribute to Mark Wainberg. Retrovirology, 2017, 14, 38.	2.0	0
74	Cytopathicity and pathogenesis of Zika virus strains. , 2021, , 397-407.		0
75	PKR and HIV Replication. , 2015, , 1-6.		0
76	PKR and HIV Replication. , 2018, , 1639-1643.		0
77	The interferon-induced protein kinase R: the base of a riboprotein scaffolding regulating the human immunodeficiency virus. Virologie, 2017, 21, 31-44.	0.1	0