

Anne Gatignol

List of Publications by Year in descending order

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77
papers

5,228
citations

76322

40
h-index

88628

70
g-index

85
all docs

85
docs citations

85
times ranked

4561
citing authors

#	ARTICLE	IF	CITATIONS
1	TRBP, a regulator of cellular PKR and HIV-1 virus expression, interacts with Dicer and functions in RNA silencing. <i>EMBO Reports</i> , 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. <i>Cell</i> , 1990, 62, 757-767.	28.9	313
3	Combinatorial delivery of small interfering RNAs reduces RNAi efficacy by selective incorporation into RISC. <i>Nucleic Acids Research</i> , 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. <i>EMBO Journal</i> , 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. <i>Current HIV Research</i> , 2003, 1, 463-473.	0.5	181
6	Bleomycin resistance conferred by a drug-binding protein. <i>FEBS Letters</i> , 1988, 230, 171-175.	2.8	168
7	HIV-1 TAR RNA: The Target of Molecular Interactions Between the Virus and its Host. <i>Current HIV Research</i> , 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.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 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 <i>Drosophila</i> staufen.. <i>Molecular and Cellular Biology</i> , 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. <i>Journal of Virology</i> , 2000, 74, 5587-5596.	3.4	131
11	TRBP Control of PACT-Induced Phosphorylation of Protein Kinase R Is Reversed by Stress. <i>Molecular and Cellular Biology</i> , 2009, 29, 254-265.	2.3	120
12	Characterization of the TRBP domain required for Dicer interaction and function in RNA interference. <i>BMC Molecular Biology</i> , 2009, 10, 38.	3.0	117
13	ADAR1 Interacts with PKR during Human Immunodeficiency Virus Infection of Lymphocytes and Contributes to Viral Replication. <i>Journal of Virology</i> , 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. <i>Molecular and Cellular Biology</i> , 2004, 24, 2637-2648.	2.3	111
15	Direct interactions between autoantigen La and human immunodeficiency virus leader RNA. <i>Journal of Virology</i> , 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. <i>Traffic</i> , 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.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 7492-7496.	7.1	103
18	Hepatitis C Virus Controls Interferon Production through PKR Activation. <i>PLoS ONE</i> , 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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6536-6541.	7.1	94
20	Efficient trans-activation by the HIV-2 Tat protein requires a duplicated TAR RNA structure. <i>Nucleic Acids Research</i> , 1990, 18, 1839-1846.	14.5	93
21	Interactions between the double-stranded RNA-binding proteins TRBP and PACT define the Medial domain that mediates protein-protein interactions. <i>RNA Biology</i> , 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. <i>Journal of Biological Chemistry</i> , 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. <i>Journal of Virology</i> , 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 <i>Saccharomyces cerevisiae</i> . <i>Molecular Genetics and Genomics</i> , 1987, 207, 342-348.	2.4	80
25	The Multiple Functions of TRBP, at the Hub of Cell Responses to Viruses, Stress, and Cancer. <i>Microbiology and Molecular Biology Reviews</i> , 2012, 76, 652-666.	6.6	77
26	Ribosomal proteins L5 and L11 co-operatively inactivate c-Myc via RNA-induced silencing complex. <i>Oncogene</i> , 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 Vivo Independently of Its Ability to Inhibit the dsRNA-dependent Kinase PKR. <i>Journal of Biological Chemistry</i> , 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?. <i>Retrovirology</i> , 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. <i>Journal of Virology</i> , 2005, 79, 12763-12772.	3.4	75
30	Cloning of <i>Saccharomyces cerevisiae</i> promoters using a probe vector based on phleomycin resistance. <i>Gene</i> , 1990, 91, 35-41.	2.2	72
31	Phleomycin resistance as a dominant selectable marker in CHO cells. <i>Somatic Cell and Molecular Genetics</i> , 1988, 14, 243-252.	0.7	66
32	Differential Regulation of HIV-1 Clade-Specific B, C, and E Long Terminal Repeats by NF- κ B and the Tat Transactivator. <i>Virology</i> , 2002, 296, 77-83.	2.4	63
33	Multiple levels of PKR inhibition during HIV-1 replication. <i>Reviews in Medical Virology</i> , 2011, 21, 42-53.	8.3	60
34	Tat as a transcriptional activator and a potential therapeutic target for HIV-1. <i>Advances in Pharmacology</i> , 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. <i>Journal of Virology</i> , 2007, 81, 5121-5131.	3.4	58
36	A role for human Dicer in pre-RISC loading of siRNAs. <i>Nucleic Acids Research</i> , 2011, 39, 1510-1525.	14.5	57

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37	The PKR activator, PACT, becomes a PKR inhibitor during HIV-1 replication. <i>Retrovirology</i> , 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. <i>FEBS Journal</i> , 2000, 267, 2419-2431.	0.2	46
39	Transcription of HIV: Tat and Cellular Chromatin. <i>Advances in Pharmacology</i> , 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). <i>Genomics</i> , 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. <i>Journal of Molecular Biology</i> , 1998, 279, 1085-1099.	4.2	37
42	Regulation of Human Immunodeficiency Virus Type 1 Gene Expression by Clade-Specific Tat Proteins. <i>Journal of Virology</i> , 2005, 79, 9180-9191.	3.4	37
43	RNA Interference Therapies for an HIV-1 Functional Cure. <i>Viruses</i> , 2018, 10, 8.	3.3	36
44	Organization of the Human tarbp2 Gene Reveals Two Promoters That Are Repressed in an Astrocytic Cell Line. <i>Journal of Biological Chemistry</i> , 2001, 276, 48803-48813.	3.4	31
45	Characterization of TRBP1 and TRBP2. <i>Journal of Biomedical Science</i> , 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. <i>Viruses</i> , 2018, 10, 53.	3.3	29
47	Inhibition of the inflammatory response to stress by targeting interaction between PKR and its cellular activator PACT. <i>Scientific Reports</i> , 2017, 7, 16129.	3.3	28
48	Cell-specific Regulation of TRBP1 Promoter by NF-Y Transcription Factor in Lymphocytes and Astrocytes. <i>Journal of Molecular Biology</i> , 2006, 355, 898-910.	4.2	25
49	HIV and Ribozymes. <i>Advances in Experimental Medicine and Biology</i> , 2015, 848, 97-116.	1.6	25
50	ADAR1 and PKR, interferon stimulated genes with clashing effects on HIV-1 replication. <i>Cytokine and Growth Factor Reviews</i> , 2018, 40, 48-58.	7.2	25
51	Induction of RNA-binding proteins in mammalian cells by DNA-damaging agents.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 1554-1558.	7.1	24
52	HIV-1 translation and its regulation by cellular factors PKR and PACT. <i>Virus Research</i> , 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. <i>RNA Biology</i> , 2011, 8, 343-353.	3.1	17
54	Additive Activity between the Trans-Activation Response RNA-Binding Protein, TRBP2, and Cyclin T1 on HIV Type 1 Expression and Viral Production in Murine Cells. <i>AIDS Research and Human Retroviruses</i> , 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. <i>Molecular Therapy - Nucleic Acids</i> , 2014, 3, e178.	5.1	16
56	HIV-1 RRE RNA acts as an RNA silencing suppressor by competing with TRBP-bound siRNAs. <i>RNA Biology</i> , 2015, 12, 123-135.	3.1	14
57	Design and Evaluation of Clinically Relevant SOFA-HDV Ribozymes Targeting HIV RNA. <i>Methods in Molecular Biology</i> , 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. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5297-5305.	3.2	13
59	Expression of TAR RNA-binding protein in baculovirus and co-immunoprecipitation with insect cell protein kinase. <i>Journal of Biomedical Science</i> , 1995, 2, 322-329.	7.0	12
60	Small RNAs to treat human immunodeficiency virus type 1 infection by gene therapy. <i>Current Opinion in Virology</i> , 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. <i>Molecular Therapy - Nucleic Acids</i> , 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. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 18, 815-830.	5.1	9
63	Identification of Limiting Steps for Efficient Trans-activation of HIV-1 Promoter by Tat in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 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. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009425.	3.0	5
65	[A second patient cured of HIV infection: hopes and limitations]. <i>Virologie</i> , 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. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	3
67	Cloning and Detection of Aptamer-Ribozyme Conjugations. <i>Methods in Molecular Biology</i> , 2021, 2167, 253-267.	0.9	3
68	Expression of TAR RNA-Binding Protein in Baculovirus and Co-Immunoprecipitation with Insect Cell Protein Kinase. <i>Journal of Biomedical Science</i> , 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. <i>Virologie</i> , 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. <i>Retrovirology</i> , 2009, 6, .	2.0	0
71	HIV-1 replication changes the function of the PKR activator PACT. <i>Retrovirology</i> , 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. <i>Molecular Therapy</i> , 2015, 23, S235-S236.	8.2	0

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73	Tribute to Mark Wainberg. <i>Retrovirology</i> , 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. <i>Virologie</i> , 2017, 21, 31-44.	0.1	0