

# Ricardo Soto-Rifo

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

2,435  
citations

218662

26  
h-index

233409

45  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Homozygous mutation of AURKC yields large-headed polyploid spermatozoa and causes male infertility. <i>Nature Genetics</i> , 2007, 39, 661-665.	21.4	248
2	DEAD-box protein DDX3 associates with eIF4F to promote translation of selected mRNAs. <i>EMBO Journal</i> , 2012, 31, 3745-3756.	7.8	228
3	Structural and functional diversity of viral IRESes. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2009, 1789, 542-557.	1.9	152
4	The role of the DEAD-box RNA helicase DDX3 in mRNA metabolism. <i>Wiley Interdisciplinary Reviews RNA</i> , 2013, 4, 369-385.	6.4	118
5	RNA helicase DDX3: at the crossroad of viral replication and antiviral immunity. <i>Reviews in Medical Virology</i> , 2015, 25, 286-299.	8.3	107
6	The DEAD-box helicase DDX3 substitutes for the cap-binding protein eIF4E to promote compartmentalized translation initiation of the HIV-1 genomic RNA. <i>Nucleic Acids Research</i> , 2013, 41, 6286-6299.	14.5	98
7	Who Regulates Whom? An Overview of RNA Granules and Viral Infections. <i>Viruses</i> , 2016, 8, 180.	3.3	73
8	Safety and Immunogenicity of an Inactivated Severe Acute Respiratory Syndrome Coronavirus 2 Vaccine in a Subgroup of Healthy Adults in Chile. <i>Clinical Infectious Diseases</i> , 2022, 75, e792-e804.	5.8	73
9	Early versus deferred anti-SARS-CoV-2 convalescent plasma in patients admitted for COVID-19: A randomized phase II clinical trial. <i>PLoS Medicine</i> , 2021, 18, e1003415.	8.4	72
10	Back to basics: the untreated rabbit reticulocyte lysate as a competitive system to recapitulate cap/poly(A) synergy and the selective advantage of IRES-driven translation. <i>Nucleic Acids Research</i> , 2007, 35, e121-e121.	14.5	60
11	Meteorological impact on the COVID-19 pandemic: A study across eight severely affected regions in South America. <i>Science of the Total Environment</i> , 2020, 744, 140881.	8.0	56
12	miRNA repression of translation in vitro takes place during 43S ribosomal scanning. <i>Nucleic Acids Research</i> , 2013, 41, 586-598.	14.5	53
13	HIV-1 Recruits UPF1 but Excludes UPF2 to Promote Nucleocytoplasmic Export of the Genomic RNA. <i>Biomolecules</i> , 2015, 5, 2808-2839.	4.0	52
14	New Challenges of HIV-1 Infection: How HIV-1 Attacks and Resides in the Central Nervous System. <i>Cells</i> , 2019, 8, 1245.	4.1	51
15	Performance of SARS-CoV-2 rapid antigen test compared with real-time RT-PCR in asymptomatic individuals. <i>International Journal of Infectious Diseases</i> , 2021, 107, 201-204.	3.3	51
16	The Andes Hantavirus NSs Protein Is Expressed from the Viral Small mRNA by a Leaky Scanning Mechanism. <i>Journal of Virology</i> , 2012, 86, 2176-2187.	3.4	48
17	Lentiviral RNAs can use different mechanisms for translation initiation. <i>Biochemical Society Transactions</i> , 2008, 36, 690-693.	3.4	47
18	DEAD-box RNA helicase DDX3 connects CRM1-dependent nuclear export and translation of the HIV-1 unspliced mRNA through its N-terminal domain. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 719-730.	1.9	43

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19	Strategies for Success. Viral Infections and Membraneless Organelles. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 336.	3.9	42
20	Mechanism of HIV-1 Tat RNA translation and its activation by the Tat protein. <i>Retrovirology</i> , 2009, 6, 74.	2.0	40
21	Different effects of the TAR structure on HIV-1 and HIV-2 genomic RNA translation. <i>Nucleic Acids Research</i> , 2012, 40, 2653-2667.	14.5	38
22	Inhibition of miR-378a-3p by Inflammation Enhances IL-33 Levels: A Novel Mechanism of Alarmin Modulation in Ulcerative Colitis. <i>Frontiers in Immunology</i> , 2019, 10, 2449.	4.8	37
23	Activation of a microRNA response in trans reveals a new role for poly(A) in translational repression. <i>Nucleic Acids Research</i> , 2011, 39, 5215-5231.	14.5	29
24	Translation initiation is driven by different mechanisms on the HIV-1 and HIV-2 genomic RNAs. <i>Virus Research</i> , 2013, 171, 366-381.	2.2	29
25	Tobacco Smoke Activates Human Papillomavirus 16 p97 Promoter and Cooperates with High-Risk E6/E7 for Oxidative DNA Damage in Lung Cells. <i>PLoS ONE</i> , 2015, 10, e0123029.	2.5	29
26	Insights into neutralizing antibody responses in individuals exposed to SARS-CoV-2 in Chile. <i>Science Advances</i> , 2021, 7, .	10.3	29
27	Bacterial Synthesis of Ternary CdSAg Quantum Dots through Cation Exchange: Tuning the Composition and Properties of Biological Nanoparticles for Bioimaging and Photovoltaic Applications. <i>Microorganisms</i> , 2020, 8, 631.	3.6	28
28	Interactions between the HIV-1 Unspliced mRNA and Host mRNA Decay Machineries. <i>Viruses</i> , 2016, 8, 320.	3.3	24
29	A Revâ€“CBP80â€“eIF4AI complex drives Gag synthesis from the HIV-1 unspliced mRNA. <i>Nucleic Acids Research</i> , 2018, 46, 11539-11552.	14.5	22
30	Screening of Natural Products Inhibitors of SARS-CoV-2 Entry. <i>Molecules</i> , 2022, 27, 1743.	3.8	22
31	Differential neutralizing antibody responses elicited by CoronaVac and BNT162b2 against SARS-CoV-2 Lambda in Chile. <i>Nature Microbiology</i> , 2022, 7, 524-529.	13.3	22
32	Translational Control of the HIV Unspliced Genomic RNA. <i>Viruses</i> , 2015, 7, 4326-4351.	3.3	21
33	Salmon cells SHKâ€“1 internalize infectious pancreatic necrosis virus by macropinocytosis. <i>Journal of Fish Diseases</i> , 2019, 42, 1035-1046.	1.9	21
34	RNA Helicase DDX3: A Double-Edged Sword for Viral Replication and Immune Signaling. <i>Microorganisms</i> , 2021, 9, 1206.	3.6	21
35	Functional mechanisms of the cellular prion protein (PrPC) associated anti-HIV-1 properties. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 1331-1352.	5.4	20
36	Infectious pancreatic necrosis virus enters CHSE-214 cells via macropinocytosis. <i>Scientific Reports</i> , 2017, 7, 3068.	3.3	20

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37	Emerging Roles of N6-Methyladenosine on HIV-1 RNA Metabolism and Viral Replication. <i>Frontiers in Microbiology</i> , 2018, 9, 576.	3.5	20
38	Accuracy of a RT-qPCR SARS-CoV-2 detection assay without prior RNA extraction. <i>Journal of Virological Methods</i> , 2021, 287, 113969.	2.1	20
39	Epitranscriptomic regulation of HIV-1 full-length RNA packaging. <i>Nucleic Acids Research</i> , 2022, 50, 2302-2318.	14.5	18
40	Epitranscriptomic regulation of viral replication. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 460-471.	1.9	17
41	The 3' UTR of the Andes Hantavirus Small mRNA Functionally Replaces the Poly(A) Tail and Stimulates Cap-Dependent Translation Initiation from the Viral mRNA. <i>Journal of Virology</i> , 2010, 84, 10420-10424.	3.4	15
42	HIV-2 genomic RNA accumulates in stress granules in the absence of active translation. <i>Nucleic Acids Research</i> , 2014, 42, 12861-12875.	14.5	15
43	Evaluation of the Immune Response Induced by CoronaVac 28-Day Schedule Vaccination in a Healthy Population Group. <i>Frontiers in Immunology</i> , 2021, 12, 766278.	4.8	13
44	Serological study of CoronaVac vaccine and booster doses in Chile: immunogenicity and persistence of anti-SARS-CoV-2 spike antibodies. <i>BMC Medicine</i> , 2022, 20, .	5.5	13
45	microRNAs stimulate translation initiation mediated by HCV-like IRESes. <i>Nucleic Acids Research</i> , 2017, 45, gkw1345.	14.5	12
46	Tellurite Promotes Stress Granules and Nuclear SG-Like Assembly in Response to Oxidative Stress and DNA Damage. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 622057.	3.7	8
47	The Landscape of IFN/ISG Signaling in HIV-1-Infected Macrophages and Its Possible Role in the HIV-1 Latency. <i>Cells</i> , 2021, 10, 2378.	4.1	8
48	Sustained Antibody-Dependent NK Cell Functions in Mild COVID-19 Outpatients During Convalescence. <i>Frontiers in Immunology</i> , 2022, 13, 796481.	4.8	7
49	DISC1 promotes translation maintenance during sodium arsenite-induced oxidative stress. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019, 1862, 657-669.	1.9	6
50	Crosstalk between RNA Metabolism and Cellular Stress Responses during Zika Virus Replication. <i>Pathogens</i> , 2020, 9, 158.	2.8	6
51	CBP80/20-dependent translation initiation factor (CTIF) inhibits HIV-1 Gag synthesis by targeting the function of the viral protein Rev. <i>RNA Biology</i> , 2021, 18, 745-758.	3.1	6
52	Escherichia coli HS and Enterotoxigenic Escherichia coli Hinder Stress Granule Assembly. <i>Microorganisms</i> , 2021, 9, 17.	3.6	3
53	Neutralizing antibody titers elicited by CoronaVac and BNT162b2 vaccines in health care workers with and without prior SARS-CoV-2 infection. <i>Journal of Travel Medicine</i> , 2022, 29, .	3.0	3
54	Differences in the internalization of self-inactivating VSVG-pseudotyped murine leukemia virus-based vectors in human and murine cells. <i>Journal of Virological Methods</i> , 2018, 255, 14-22.	2.1	2

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55	N6 -Methyladenosine Negatively Regulates Human Respiratory Syncytial Virus Replication. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 739445.	3.7	2