

Juan Carlos de la Torre

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119
papers

5,243
citations

42
h-index

69
g-index

135
ext. papers

6,485
ext. citations

7.6
avg, IF

5.68
L-index

#	Paper	IF	Citations
119	The small RING finger protein Z drives arenavirus budding: implications for antiviral strategies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 12978-83	11.5	280
118	The Chemokine Receptor CX3CR1 Defines Three Antigen-Experienced CD8 ⁺ T Cell Subsets with Distinct Roles in Immune Surveillance and Homeostasis. <i>Immunity</i> , 2016 , 45, 1270-1284	32.3	271
117	Inhibition of the type I interferon response by the nucleoprotein of the prototypic arenavirus lymphocytic choriomeningitis virus. <i>Journal of Virology</i> , 2006 , 80, 9192-9	6.6	196
116	NP and L proteins of lymphocytic choriomeningitis virus (LCMV) are sufficient for efficient transcription and replication of LCMV genomic RNA analogs. <i>Journal of Virology</i> , 2000 , 74, 3470-7	6.6	194
115	Human Pluripotent Stem Cell-Derived Neural Cells and Brain Organoids Reveal SARS-CoV-2 Neurotropism Predominates in Choroid Plexus Epithelium. <i>Cell Stem Cell</i> , 2020 , 27, 937-950.e9	18	151
114	Differential inhibition of type I interferon induction by arenavirus nucleoproteins. <i>Journal of Virology</i> , 2007 , 81, 12696-703	6.6	149
113	Taxonomy of the order Bunyavirales: update 2019. <i>Archives of Virology</i> , 2019 , 164, 1949-1965	2.6	148
112	Lethal mutagenesis of the prototypic arenavirus lymphocytic choriomeningitis virus (LCMV). <i>Virology</i> , 2003 , 308, 37-47	3.6	143
111	RING finger Z protein of lymphocytic choriomeningitis virus (LCMV) inhibits transcription and RNA replication of an LCMV S-segment minigenome. <i>Journal of Virology</i> , 2001 , 75, 9415-26	6.6	118
110	Taxonomy of the family Arenaviridae and the order Bunyavirales: update 2018. <i>Archives of Virology</i> , 2018 , 163, 2295-2310	2.6	108
109	Myristoylation of the RING finger Z protein is essential for arenavirus budding. <i>Journal of Virology</i> , 2004 , 78, 11443-8	6.6	105
108	Generation of recombinant lymphocytic choriomeningitis viruses with trisegmented genomes stably expressing two additional genes of interest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 3473-8	11.5	102
107	Most neutralizing human monoclonal antibodies target novel epitopes requiring both Lassa virus glycoprotein subunits. <i>Nature Communications</i> , 2016 , 7, 11544	17.4	99
106	Identification of amino acid residues critical for the anti-interferon activity of the nucleoprotein of the prototypic arenavirus lymphocytic choriomeningitis virus. <i>Journal of Virology</i> , 2009 , 83, 11330-40	6.6	96
105	Arenavirus nucleoprotein targets interferon regulatory factor-activating kinase IKK β . <i>Journal of Virology</i> , 2012 , 86, 7728-38	6.6	95
104	Role of the virus nucleoprotein in the regulation of lymphocytic choriomeningitis virus transcription and RNA replication. <i>Journal of Virology</i> , 2003 , 77, 3882-7	6.6	91
103	Rescue of the prototypic Arenavirus LCMV entirely from plasmid. <i>Virology</i> , 2006 , 350, 370-80	3.6	86

102	Characterization of the genomic promoter of the prototypic arenavirus lymphocytic choriomeningitis virus. <i>Journal of Virology</i> , 2003 , 77, 1184-94	6.6	84
101	Point mutation in the glycoprotein of lymphocytic choriomeningitis virus is necessary for receptor binding, dendritic cell infection, and long-term persistence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 2969-74	11.5	81
100	Arenavirus Z-glycoprotein association requires Z myristoylation but not functional RING or late domains. <i>Journal of Virology</i> , 2007 , 81, 9451-60	6.6	81
99	Dual role of the lymphocytic choriomeningitis virus intergenic region in transcription termination and virus propagation. <i>Journal of Virology</i> , 2005 , 79, 4519-26	6.6	81
98	Identification of the lymphocytic choriomeningitis virus (LCMV) proteins required to rescue LCMV RNA analogs into LCMV-like particles. <i>Journal of Virology</i> , 2002 , 76, 6393-7	6.6	80
97	Taxonomy of the order Bunyavirales: second update 2018. <i>Archives of Virology</i> , 2019 , 164, 927-941	2.6	76
96	Rescue from cloned cDNAs and in vivo characterization of recombinant pathogenic Romero and live-attenuated Candid #1 strains of Junin virus, the causative agent of Argentine hemorrhagic fever disease. <i>Journal of Virology</i> , 2011 , 85, 1473-83	6.6	75
95	Ribavirin can be mutagenic for arenaviruses. <i>Journal of Virology</i> , 2011 , 85, 7246-55	6.6	73
94	Arenavirus nucleoproteins prevent activation of nuclear factor kappa B. <i>Journal of Virology</i> , 2012 , 86, 8185-97	6.6	70
93	Type I interferon suppresses de novo virus-specific CD4 Th1 immunity during an established persistent viral infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 7409-14	11.5	66
92	Antiviral activity of a small-molecule inhibitor of arenavirus glycoprotein processing by the cellular site 1 protease. <i>Journal of Virology</i> , 2011 , 85, 795-803	6.6	61
91	Arenavirus reverse genetics: new approaches for the investigation of arenavirus biology and development of antiviral strategies. <i>Virology</i> , 2011 , 411, 416-25	3.6	60
90	Structural characterization of the Z RING-eIF4E complex reveals a distinct mode of control for eIF4E. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 5441-6	11.5	58
89	Viral persistence in neurons alters synaptic plasticity and cognitive functions without destruction of brain cells. <i>Virology</i> , 1996 , 220, 508-15	3.6	57
88	PLD3 and PLD4 are single-stranded acid exonucleases that regulate endosomal nucleic-acid sensing. <i>Nature Immunology</i> , 2018 , 19, 942-953	19.1	56
87	Development of live-attenuated arenavirus vaccines based on codon deoptimization. <i>Journal of Virology</i> , 2015 , 89, 3523-33	6.6	56
86	Suppression of Fcγ-receptor-mediated antibody effector function during persistent viral infection. <i>Immunity</i> , 2015 , 42, 379-390	32.3	48
85	Bornavirus and the brain. <i>Journal of Infectious Diseases</i> , 2002 , 186 Suppl 2, S241-7	7	47

84	Type I interferon is a therapeutic target for virus-induced lethal vascular damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 8925-30	11.5	44
83	Transcription and replication mechanisms of Bunyaviridae and Arenaviridae L proteins. <i>Virus Research</i> , 2017 , 234, 118-134	6.4	43
82	Inhibition of arenavirus by A3, a pyrimidine biosynthesis inhibitor. <i>Journal of Virology</i> , 2014 , 88, 878-89	6.6	43
81	Evaluation of the anti-arenaviral activity of the subtilisin kexin isozyme-1/site-1 protease inhibitor PF-429242. <i>Virology</i> , 2012 , 423, 14-22	3.6	43
80	The C-terminal region of lymphocytic choriomeningitis virus nucleoprotein contains distinct and segregable functional domains involved in NP-Z interaction and counteraction of the type I interferon response. <i>Journal of Virology</i> , 2011 , 85, 13038-48	6.6	43
79	Mice lacking functional STAT1 are highly susceptible to lethal infection with Lassa virus. <i>Journal of Virology</i> , 2013 , 87, 10908-11	6.6	42
78	The PI3K/Akt pathway contributes to arenavirus budding. <i>Journal of Virology</i> , 2012 , 86, 4578-85	6.6	40
77	The SARS-CoV-2 Cytopathic Effect Is Blocked by Lysosome Alkalizing Small Molecules. <i>ACS Infectious Diseases</i> , 2021 , 7, 1389-1408	5.5	39
76	Analysis of CD8 T cell response during the 2013-2016 Ebola epidemic in West Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E7578-E7586	11.5	38
75	Type I and Type II Interferon Coordinately Regulate Suppressive Dendritic Cell Fate and Function during Viral Persistence. <i>PLoS Pathogens</i> , 2016 , 12, e1005356	7.6	38
74	Arenavirus reverse genetics for vaccine development. <i>Journal of General Virology</i> , 2013 , 94, 1175-1188	4.9	35
73	A cell-based luciferase assay amenable to high-throughput screening of inhibitors of arenavirus budding. <i>Virology</i> , 2008 , 382, 107-14	3.6	35
72	Rescue of SARS-CoV-2 from a Single Bacterial Artificial Chromosome. <i>MBio</i> , 2020 , 11,	7.8	34
71	Metformin inhibition of mitochondrial ATP and DNA synthesis abrogates NLRP3 inflammasome activation and pulmonary inflammation. <i>Immunity</i> , 2021 , 54, 1463-1477.e11	32.3	33
70	Development of live-attenuated arenavirus vaccines based on codon deoptimization of the viral glycoprotein. <i>Virology</i> , 2017 , 501, 35-46	3.6	32
69	Progression of type 1 diabetes from the prediabetic stage is controlled by interferon- β signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3708-3713	11.5	31
68	ICTV Virus Taxonomy Profile: Arenaviridae. <i>Journal of General Virology</i> , 2019 , 100, 1200-1201	4.9	31
67	Identification and Mechanism of Action of a Novel Small-Molecule Inhibitor of Arenavirus Multiplication. <i>Journal of Virology</i> , 2015 , 89, 10924-33	6.6	30

66	Molecular and cell biology of the prototypic arenavirus LCMV: implications for understanding and combating hemorrhagic fever arenaviruses. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1171 Suppl 1, E57-64	6.5	29
65	The glycoprotein precursor gene of Junin virus determines the virulence of the Romero strain and the attenuation of the Candid #1 strain in a representative animal model of Argentine hemorrhagic fever. <i>Journal of Virology</i> , 2015 , 89, 5949-56	6.6	27
64	Dimethyl Fumarate Disrupts Human Innate Immune Signaling by Targeting the IRAK4-MyD88 Complex. <i>Journal of Immunology</i> , 2019 , 202, 2737-2746	5.3	26
63	DDX3 suppresses type I interferons and favors viral replication during Arenavirus infection. <i>PLoS Pathogens</i> , 2018 , 14, e1007125	7.6	25
62	Arenavirus budding. <i>Advances in Virology</i> , 2011 , 2011, 180326	1.9	25
61	Early virus-host interactions dictate the course of a persistent infection. <i>PLoS Pathogens</i> , 2015 , 11, e1004588	4.58	24
60	Lymphocytic Choriomeningitis Virus Differentially Affects the Virus-Induced Type I Interferon Response and Mitochondrial Apoptosis Mediated by RIG-I/MAVS. <i>Journal of Virology</i> , 2015 , 89, 6240-50	6.6	24
59	Reverse genetics approaches to combat pathogenic arenaviruses. <i>Antiviral Research</i> , 2008 , 80, 239-50	10.8	24
58	Identification and Characterization of Novel Compounds with Broad-Spectrum Antiviral Activity against Influenza A and B Viruses. <i>Journal of Virology</i> , 2020 , 94,	6.6	23
57	The ReFRAME library as a comprehensive drug repurposing library to identify mammarenavirus inhibitors. <i>Antiviral Research</i> , 2019 , 169, 104558	10.8	23
56	Arenavirus Genome Rearrangement for the Development of Live Attenuated Vaccines. <i>Journal of Virology</i> , 2015 , 89, 7373-84	6.6	22
55	Interactome analysis of the lymphocytic choriomeningitis virus nucleoprotein in infected cells reveals ATPase Na ⁺ /K ⁺ transporting subunit Alpha 1 and prohibitin as host-cell factors involved in the life cycle of mammarenaviruses. <i>PLoS Pathogens</i> , 2018 , 14, e1006892	7.6	22
54	General Molecular Strategy for Development of Arenavirus Live-Attenuated Vaccines. <i>Journal of Virology</i> , 2015 , 89, 12166-77	6.6	21
53	Inhibition of multiplication of the prototypic arenavirus LCMV by valproic acid. <i>Antiviral Research</i> , 2013 , 99, 172-9	10.8	21
52	Recombinant Lassa Virus Expressing Green Fluorescent Protein as a Tool for High-Throughput Drug Screens and Neutralizing Antibody Assays. <i>Viruses</i> , 2018 , 10,	6.2	21
51	Arenavirus Quasispecies and Their Biological Implications. <i>Current Topics in Microbiology and Immunology</i> , 2016 , 392, 231-76	3.3	20
50	RIG-I enhanced interferon independent apoptosis upon Junin virus infection. <i>PLoS ONE</i> , 2014 , 9, e996103	7.7	20
49	Hypomorphic mutation in the site-1 protease Mbtps1 endows resistance to persistent viral infection in a cell-specific manner. <i>Cell Host and Microbe</i> , 2011 , 9, 212-222	23.4	20

48	Functional characterization of the genomic promoter of borna disease virus (BDV): implications of 3Rterminal sequence heterogeneity for BDV persistence. <i>Journal of Virology</i> , 2005 , 79, 6544-50	6.6	20
47	Reverse-genetic approaches to the study of Borna disease virus. <i>Nature Reviews Microbiology</i> , 2006 , 4, 777-83	22.2	19
46	A Lassa Fever Live-Attenuated Vaccine Based on Codon Deoptimization of the Viral Glycoprotein Gene. <i>MBio</i> , 2020 , 11,	7.8	18
45	Increased Immune Response Variability during Simultaneous Viral Coinfection Leads to Unpredictability in CD8 T Cell Immunity and Pathogenesis. <i>Journal of Virology</i> , 2015 , 89, 10786-801	6.6	17
44	Absence of an N-Linked Glycosylation Motif in the Glycoprotein of the Live-Attenuated Argentine Hemorrhagic Fever Vaccine, Candid #1, Results in Its Improper Processing, and Reduced Surface Expression. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 20	5.9	16
43	The High Degree of Sequence Plasticity of the Arenavirus Noncoding Intergenic Region (IGR) Enables the Use of a Nonviral Universal Synthetic IGR To Attenuate Arenaviruses. <i>Journal of Virology</i> , 2016 , 90, 3187-97	6.6	14
42	Arenavirus extinction through lethal mutagenesis. <i>Virus Research</i> , 2005 , 107, 207-14	6.4	14
41	Lassa virus diversity and feasibility for universal prophylactic vaccine. <i>F1000Research</i> , 2019 , 8,	3.6	14
40	Reverse Genetics Approaches to Control Arenavirus. <i>Methods in Molecular Biology</i> , 2016 , 1403, 313-51	1.4	12
39	High crossreactivity of human T cell responses between Lassa virus lineages. <i>PLoS Pathogens</i> , 2020 , 16, e1008352	7.6	10
38	Persistence of Lassa Virus Associated With Severe Systemic Arteritis in Convalescing Guinea Pigs (<i>Cavia porcellus</i>). <i>Journal of Infectious Diseases</i> , 2019 , 219, 1818-1822	7	10
37	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. <i>Archives of Virology</i> , 2021 , 166, 3513-3566	2.6	10
36	A Lassa Virus Live-Attenuated Vaccine Candidate Based on Rearrangement of the Intergenic Region. <i>MBio</i> , 2020 , 11,	7.8	9
35	BST-2 controls T cell proliferation and exhaustion by shaping the early distribution of a persistent viral infection. <i>PLoS Pathogens</i> , 2018 , 14, e1007172	7.6	9
34	Ebola-Specific CD8+ and CD4+ T-Cell Responses in Sierra Leonean Ebola Virus Survivors With or Without Post-Ebola Sequelae. <i>Journal of Infectious Diseases</i> , 2020 , 222, 1488-1497	7	9
33	Mining a Krinke Pyridine Library for Anti-Arenavirus Activity. <i>ACS Infectious Diseases</i> , 2018 , 4, 815-824	5.5	8
32	Cell entry of lymphocytic choriomeningitis virus is restricted in myotubes. <i>Virology</i> , 2014 , 458-459, 22-323.6		8
31	Beyond Tethering the Viral Particles: Immunomodulatory Functions of Tetherin (). <i>DNA and Cell Biology</i> , 2019 , 38, 1170-1177	3.6	7

30	Development of Reverse Genetics for the Prototype New World Mammarenavirus Tacaribe Virus. <i>Journal of Virology</i> , 2020 , 94,	6.6	7
29	A Highly Conserved Leucine in Mammarenavirus Matrix Z Protein Is Required for Z Interaction with the Virus L Polymerase and Z Stability in Cells Harboring an Active Viral Ribonucleoprotein. <i>Journal of Virology</i> , 2018 , 92,	6.6	6
28	A cell-based, infectious-free, platform to identify inhibitors of lassa virus ribonucleoprotein (vRNP) activity. <i>Antiviral Research</i> , 2020 , 173, 104667	10.8	6
27	Reporter-Expressing, Replicating-Competent Recombinant Arenaviruses. <i>Viruses</i> , 2016 , 8,	6.2	6
26	Identification of Common CD8 T Cell Epitopes from Lassa Fever Survivors in Nigeria and Sierra Leone. <i>Journal of Virology</i> , 2020 , 94,	6.6	6
25	Lassa Virus Reverse Genetics. <i>Methods in Molecular Biology</i> , 2017 , 1602, 185-204	1.4	5
24	Efficient Interaction between Arenavirus Nucleoprotein (NP) and RNA-Dependent RNA Polymerase (L) Is Mediated by the Virus Nucleocapsid (NP-RNA) Template. <i>Journal of Virology</i> , 2015 , 89, 5734-8	6.6	5
23	Novel Dihydroorotate Dehydrogenase Inhibitors with Potent Interferon-Independent Antiviral Activity against Mammarenaviruses In Vitro. <i>Viruses</i> , 2020 , 12,	6.2	5
22	Identification of Inhibitors of ZIKV Replication. <i>Viruses</i> , 2020 , 12,	6.2	5
21	Breaking the Barrier: Host Cell Invasion by Lujo Virus. <i>Cell Host and Microbe</i> , 2017 , 22, 583-585	23.4	4
20	Development of a High-Throughput Homogeneous AlphaLISA Drug Screening Assay for the Detection of SARS-CoV-2 Nucleocapsid. <i>ACS Pharmacology and Translational Science</i> , 2020 , 3, 1233-1241	5.9	4
19	Analysis of SARS-CoV-2 infection dynamic in vivo using reporter-expressing viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
18	Development of Recombinant Arenavirus-Based Vaccines. <i>Methods in Molecular Biology</i> , 2017 , 1581, 133-149	1.4	3
17	A single mutation (V64G) within the RING Domain of Z attenuates Junin virus. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008555	4.8	3
16	Novel strategies for development of hemorrhagic fever arenavirus live-attenuated vaccines. <i>Expert Review of Vaccines</i> , 2016 , 15, 1113-21	5.2	3
15	Reverse genetics approaches for the development of mammarenavirus live-attenuated vaccines. <i>Current Opinion in Virology</i> , 2020 , 44, 66-72	7.5	2
14	Progress in Anti-Mammarenavirus Drug Development. <i>Viruses</i> , 2021 , 13,	6.2	2
13	Lassa Virus Vaccine Candidate ML29 Generates Truncated Viral RNAs Which Contribute to Interfering Activity and Attenuation. <i>Viruses</i> , 2021 , 13,	6.2	2

12	A Bifluorescent-Based Assay for the Identification of Neutralizing Antibodies against SARS-CoV-2 Variants of Concern and. <i>Journal of Virology</i> , 2021 , 95, e0112621	6.6	2
11	Residues K465 and G467 within the Cytoplasmic Domain of GP2 Play a Critical Role in the Persistence of Lymphocytic Choriomeningitis Virus in Mice. <i>Journal of Virology</i> , 2016 , 90, 10102-10112	6.6	1
10	Resistance of human plasmacytoid dendritic CAL-1 cells to infection with lymphocytic choriomeningitis virus (LCMV) is caused by restricted virus cell entry, which is overcome by contact of CAL-1 cells with LCMV-infected cells. <i>Virology</i> , 2017 , 511, 106-113	3.6	1
9	Inhibitors of Anti-apoptotic Bcl-2 Family Proteins Exhibit Potent and Broad-Spectrum Anti-mammarenavirus Activity via Cell Cycle Arrest at G0/G1 Phase. <i>Journal of Virology</i> , 2021 , 95, e0139921	6.6	1
8	Functional interactomes of the Ebola virus polymerase identified by proximity proteomics in the context of viral replication.. <i>Cell Reports</i> , 2022 , 38, 110544	10.6	1
7	SARS-CoV-2 Nucleocapsid Protein TR-FRET Assay Amenable to High Throughput Screening.. <i>ACS Pharmacology and Translational Science</i> , 2022 , 5, 8-19	5.9	0
6	The chameleonic genetics of Lassa virus. <i>Lancet Infectious Diseases</i> , 2019 , 19, 1276-1277	25.5	
5	Sars-Cov-2 Infection Promotes Endothelial Dysfunction and Thrombosis in a Mouse Model of COVID-19. <i>Blood</i> , 2021 , 138, 999-999	2.2	
4	High crossreactivity of human T cell responses between Lassa virus lineages 2020 , 16, e1008352		
3	High crossreactivity of human T cell responses between Lassa virus lineages 2020 , 16, e1008352		
2	High crossreactivity of human T cell responses between Lassa virus lineages 2020 , 16, e1008352		
1	High crossreactivity of human T cell responses between Lassa virus lineages 2020 , 16, e1008352		