

# Renato S Aguiar

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82

papers

3,932

citations

26

h-index

62

g-index

92

ext. papers

5,166

ext. citations

7.6

avg, IF

4.81

L-index

#	Paper	IF	Citations
82	Detection and sequencing of Zika virus from amniotic fluid of fetuses with microcephaly in Brazil: a case study. <i>Lancet Infectious Diseases, The</i> , <b>2016</b> , 16, 653-660	25.5	786
81	Genomics and epidemiology of the P.1 SARS-CoV-2 lineage in Manaus, Brazil. <i>Science</i> , <b>2021</b> , 372, 815-821	33.3	603
80	Evolution and epidemic spread of SARS-CoV-2 in Brazil. <i>Science</i> , <b>2020</b> , 369, 1255-1260	33.3	277
79	Congenital Zika Virus Infection: Beyond Neonatal Microcephaly. <i>JAMA Neurology</i> , <b>2016</b> , 73, 1407-1416	17.2	270
78	Congenital Brain Abnormalities and Zika Virus: What the Radiologist Can Expect to See Prenatally and Postnatally. <i>Radiology</i> , <b>2016</b> , 281, 203-18	20.5	186
77	Genomic and epidemiological monitoring of yellow fever virus transmission potential. <i>Science</i> , <b>2018</b> , 361, 894-899	33.3	184
76	Chloroquine, an Endocytosis Blocking Agent, Inhibits Zika Virus Infection in Different Cell Models. <i>Viruses</i> , <b>2016</b> , 8,	6.2	181
75	Epidemiological and clinical characteristics of the COVID-19 epidemic in Brazil. <i>Nature Human Behaviour</i> , <b>2020</b> , 4, 856-865	12.8	151
74	The spectrum of neuropathological changes associated with congenital Zika virus infection. <i>Acta Neuropathologica</i> , <b>2017</b> , 133, 983-999	14.3	122
73	Zika virus disrupts molecular fingerprinting of human neurospheres. <i>Scientific Reports</i> , <b>2017</b> , 7, 40780	4.9	82
72	Reactivation of latent HIV-1 by new semi-synthetic ingenol esters. <i>Virology</i> , <b>2014</b> , 462-463, 328-39	3.6	67
71	Nef neutralizes the ability of exosomes from CD4+ T cells to act as decoys during HIV-1 infection. <i>PLoS ONE</i> , <b>2014</b> , 9, e113691	3.7	67
70	Vpr.A3A chimera inhibits HIV replication. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 2518-25	5.4	53
69	Genomics and epidemiology of a novel SARS-CoV-2 lineage in Manaus, Brazil <b>2021</b> ,		53
68	Importation and early local transmission of COVID-19 in Brazil, 2020. <i>Revista Do Instituto De Medicina Tropical De Sao Paulo</i> , <b>2020</b> , 62, e30	2.2	50
67	Interactions between Nef and AIP1 proliferate multivesicular bodies and facilitate egress of HIV-1. <i>Retrovirology</i> , <b>2006</b> , 3, 33	3.6	44
66	Impact of nelfinavir resistance mutations on in vitro phenotype, fitness, and replication capacity of human immunodeficiency virus type 1 with subtype B and C proteases. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2004</b> , 48, 3552-5	5.9	44

65	Usefulness of microsatellite typing in population genetic studies of <i>Trypanosoma cruzi</i> . <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2001</b> , 96, 407-13	2.6	44
64	APOBEC3 proteins and reverse transcription. <i>Virus Research</i> , <b>2008</b> , 134, 74-85	6.4	41
63	Interplay between Inflammation and Cellular Stress Triggered by Flaviviridae Viruses. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1233	5.7	41
62	Emergence of the Asian lineage of Zika virus in Angola: an outbreak investigation. <i>Lancet Infectious Diseases</i> , <b>2019</b> , 19, 1138-1147	25.5	40
61	Natural Plant Alkaloid (Emetine) Inhibits HIV-1 Replication by Interfering with Reverse Transcriptase Activity. <i>Molecules</i> , <b>2015</b> , 20, 11474-89	4.8	39
60	Genomic, epidemiological and digital surveillance of Chikungunya virus in the Brazilian Amazon. <i>PLoS Neglected Tropical Diseases</i> , <b>2019</b> , 13, e0007065	4.8	37
59	Immune activation in amniotic fluid from Zika virus-associated microcephaly. <i>Annals of Neurology</i> , <b>2017</b> , 81, 152-156	9.4	35
58	Congenital Zika syndrome is associated with maternal protein malnutrition. <i>Science Advances</i> , <b>2020</b> , 6, eaaw6284	14.3	31
57	Genomic Evidence of a Sars-Cov-2 Reinfection Case With E484K Spike Mutation in Brazil		26
56	Global disparities in SARS-CoV-2 genomic surveillance <b>2021</b> ,		26
55	Genomic and Epidemiological Surveillance of Zika Virus in the Amazon Region. <i>Cell Reports</i> , <b>2020</b> , 30, 2275-2283.e7	10.6	24
54	Zika Virus Causing Encephalomyelitis Associated With Immunoactivation. <i>Open Forum Infectious Diseases</i> , <b>2016</b> , 3, ofw203	1	24
53	Biomimetic Placenta-Fetus Model Demonstrating Maternal-Fetal Transmission and Fetal Neural Toxicity of Zika Virus. <i>Annals of Biomedical Engineering</i> , <b>2018</b> , 46, 1963-1974	4.7	22
52	Molecular alterations in the extracellular matrix in the brains of newborns with congenital Zika syndrome. <i>Science Signaling</i> , <b>2020</b> , 13,	8.8	20
51	Genomic Surveillance of Yellow Fever Virus Epizootic in Sã Paulo, Brazil, 2016 - 2018. <i>PLoS Pathogens</i> , <b>2020</b> , 16, e1008699	7.6	18
50	The nerve growth factor reduces APOBEC3G synthesis and enhances HIV-1 transcription and replication in human primary macrophages. <i>Blood</i> , <b>2011</b> , 117, 2944-52	2.2	15
49	Variations in maternal adenylate cyclase genes are associated with congenital Zika syndrome in a cohort from Northeast, Brazil. <i>Journal of Internal Medicine</i> , <b>2019</b> , 285, 215-222	10.8	12
48	HTLV-1 Tax activates HIV-1 transcription in latency models. <i>Virology</i> , <b>2017</b> , 504, 45-51	3.6	11

47	MicroRNAs 145 and 148a Are Upregulated During Congenital Zika Virus Infection. <i>ASN Neuro</i> , <b>2019</b> , 11, 1759091419850983	5.3	11
46	Chloroquine inhibits Zika Virus infection in different cellular models		11
45	The expansion of circulating IL-6 and IL-17-secreting follicular helper T cells is associated with neurological disabilities in neuromyelitis optica spectrum disorders. <i>Journal of Neuroimmunology</i> , <b>2019</b> , 330, 12-18	3.5	10
44	Expansion of IL-6 Th17-like cells expressing TLRs correlates with microbial translocation and neurological disabilities in NMOSD patients. <i>Journal of Neuroimmunology</i> , <b>2017</b> , 307, 82-90	3.5	9
43	TLR-2 and TLR-4 agonists favor expansion of CD4 T cell subsets implicated in the severity of neuromyelitis optica spectrum disorders. <i>Multiple Sclerosis and Related Disorders</i> , <b>2019</b> , 34, 66-76	4	9
42	Modulation of Fenolase post-translational modifications by dengue virus: increased secretion of the basic isoforms in infected hepatic cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e88314	3.7	9
41	Biological characterization of human immunodeficiency virus type 1 subtype C protease carrying indinavir drug-resistance mutations. <i>Journal of General Virology</i> , <b>2006</b> , 87, 1303-1309	4.9	8
40	Development of a new methodology for screening of human immunodeficiency virus type 1 microbicides based on real-time PCR quantification. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2007</b> , 51, 638-44	5.9	8
39	X-ray structure of O-methyl-acrocol and anti-cancer, anti-parasitic, anti-bacterial and anti-Zika virus evaluations of the Brazilian palm tree <i>Acrocomia totai</i> . <i>Industrial Crops and Products</i> , <b>2017</b> , 109, 483-492	5.9	7
38	Interactions between SIVNef, SIVGagPol and Alix correlate with viral replication and progression to AIDS in rhesus macaques. <i>Virology</i> , <b>2009</b> , 394, 47-56	3.6	7
37	Intra-host evolution during SARS-CoV-2 persistent infection		7
36	Dengue Virus IgM Serotyping by ELISA with Recombinant Mutant Envelope Proteins. <i>Emerging Infectious Diseases</i> , <b>2019</b> , 25, 1111-1115	10.2	7
35	Epidemiological dynamics of SARS-CoV-2 VOC Gamma in Rio de Janeiro, Brazil. <i>Virus Evolution</i> , <b>2021</b> , 7, veab087	3.7	7
34	Evolution and epidemic spread of SARS-CoV-2 in Brazil		6
33	Systematic review of host genetic association with Covid-19 prognosis and susceptibility: What have we learned in 2020?. <i>Reviews in Medical Virology</i> , <b>2021</b> , e2283	11.7	6
32	Association between MBL2 haplotypes and dengue severity in children from Rio de Janeiro, Brazil. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2019</b> , 114, e190004	2.6	5
31	First report of persistent dengue-1-associated autoimmune neurological disturbance: neuromyelitis optica spectrum disorder. <i>Journal of NeuroVirology</i> , <b>2017</b> , 23, 768-771	3.9	5
30	In silico evaluation of lapachol derivatives binding to the Nsp9 of SARS-CoV-2. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-15	3.6	5

29	Reactivation of latent HIV-1 in vitro using an ethanolic extract from <i>Euphorbia umbellata</i> (Euphorbiaceae) latex. <i>PLoS ONE</i> , <b>2018</b> , 13, e0207664	3.7	5
28	MicroRNA and cellular targets profiling reveal miR-217 and miR-576-3p as proviral factors during Oropouche infection. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006508	4.8	4
27	Differential in vitro kinetics of drug resistance mutation acquisition in HIV-1 RT of subtypes B and C. <i>PLoS ONE</i> , <b>2012</b> , 7, e46622	3.7	4
26	2,3-Dialdehyde of ATP, ADP, and adenosine inhibit HIV-1 reverse transcriptase and HIV-1 replication. <i>Current HIV Research</i> , <b>2014</b> , 12, 347-58	1.3	4
25	Genomic Surveillance of Yellow Fever Virus Epizootic in Sã Paulo, Brazil, 2016-2018		4
24	Crispoic acid, a new compound from <i>Laelia marginata</i> (Orchidaceae), and biological evaluations against parasites, human cancer cell lines and Zika virus. <i>Natural Product Research</i> , <b>2018</b> , 32, 2916-2921	2.3	4
23	Identification of Zika virus in immature phases of <i>Aedes aegypti</i> and <i>Aedes albopictus</i> : a surveillance strategy for outbreak anticipation. <i>Brazilian Journal of Medical and Biological Research</i> , <b>2019</b> , 52, e8339	2.8	3
22	Report 46: Factors driving extensive spatial and temporal fluctuations in COVID-19 fatality rates in Brazilian hospitals <b>2021</b> ,		3
21	Neutrophil extracellular traps from healthy donors and HIV-1-infected individuals restrict HIV-1 production in macrophages. <i>Scientific Reports</i> , <b>2020</b> , 10, 19603	4.9	3
20	Blockade of interleukin seventeen (IL-17A) with secukinumab in hospitalized COVID-19 patients - the BISHOP study.. <i>Infectious Diseases</i> , <b>2022</b> , 1-9	3.1	3
19	Laboratory Acquired Zika Virus Infection Through Mouse Bite: A Case Report. <i>Open Forum Infectious Diseases</i> , <b>2020</b> , 7, ofaa259	1	2
18	Combined proteome and transcriptome analyses reveal that Zika virus circulating in Brazil alters cell cycle and neurogenic programmes in human neurospheres		2
17	The Impact of African and Brazilian Zika virus isolates on neuroprogenitors		2
16	Prevalence of bacterial pathogens and potential role in COVID-19 severity in patients admitted to intensive care units in Brazil		2
15	Whole-exome sequencing reveals insights into genetic susceptibility to Congenital Zika Syndrome. <i>PLoS Neglected Tropical Diseases</i> , <b>2021</b> , 15, e0009507	4.8	2
14	Epidemiological dynamics of SARS-CoV-2 VOC Gamma in Rio de Janeiro, Brazil		2
13	Clinical and magnetic resonance imaging patterns of extensive Chikungunya virus-associated myelitis. <i>Journal of NeuroVirology</i> , <b>2021</b> , 27, 616-625	3.9	2
12	Genetic diversity and proviral DNA load in different neural compartments of HIV-1 subtype C infection. <i>Journal of NeuroVirology</i> , <b>2015</b> , 21, 399-414	3.9	1

11	Gag-Pol bearing a reverse transcriptase drug-resistant mutation influences viral genomic RNA incorporation into human immunodeficiency virus type 1 particles. <i>Journal of General Virology</i> , <b>2006</b> , 87, 2669-2677	4.9	1
10	Seroprevalence, Prevalence, and Genomic Surveillance: Monitoring the Initial Phases of the SARS-CoV-2 Pandemic in Betim, Brazil.. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 799713	5.7	1
9	Emergence of the Zika virus Asian lineage in Angola		1
8	Obstetric and perinatal outcomes in cases of congenital Zika syndrome. <i>Prenatal Diagnosis</i> , <b>2020</b> , 40, 1732-1740	3.2	1
7	Exome-Wide Search for Genes Associated With Central Nervous System Inflammatory Demyelinating Diseases Following CHIKV Infection: The Tip of the Iceberg. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 639364	4.5	1
6	, , , and Genetic Association With COVID-19 Outcomes: Systematic Review and Meta-Analysis.. <i>Frontiers in Genetics</i> , <b>2022</b> , 13, 775246	4.5	1
5	Delta Variant of SARS-CoV-2 Replacement in Brazil: A National Epidemiologic Surveillance Program. <i>Viruses</i> , <b>2022</b> , 14, 847	6.2	1
4	Identification and characterisation of SARS-CoV-2 and Human alphaherpesvirus 1 from a productive coinfection in a fatal COVID-19 case.. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2022</b> , 116, e210176	2.6	0
3	Common Dysregulation of Innate Immunity Pathways in Human Primary Astrocytes Infected With Chikungunya, Mayaro, Oropouche, and Zika Viruses. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2021</b> , 11, 641261	5.9	0
2	Jatropha sp. Extracts Induces CD4 Internalization and Inhibits HIV-1 Entry. <i>AIDS Research and Human Retroviruses</i> , <b>2014</b> , 30, A142-A142	1.6	
1	Reactivation of Latent HIV-1 via AID/APOBEC. <i>AIDS Research and Human Retroviruses</i> , <b>2020</b> , 36, 793-794	1.6	