

# Thiago Moreno L Souza

## List of Publications by Year in descending order

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96  
papers

4,973  
citations

126907

33  
h-index

106344

65  
g-index

123  
all docs

123  
docs citations

123  
times ranked

8816  
citing authors

#	ARTICLE	IF	CITATIONS
1	Platelet activation and platelet-monocyte aggregate formation trigger tissue factor expression in patients with severe COVID-19. <i>Blood</i> , 2020, 136, 1330-1341.	1.4	576
2	Effectiveness of neuraminidase inhibitors in reducing mortality in patients admitted to hospital with influenza A H1N1pdm09 virus infection: a meta-analysis of individual participant data. <i>Lancet Respiratory Medicine</i> , 2014, 2, 395-404.	10.7	527
3	Zika virus evolution and spread in the Americas. <i>Nature</i> , 2017, 546, 411-415.	27.8	323
4	Synthesis, HIV-RT inhibitory activity and SAR of 1-benzyl-1H-1,2,3-triazole derivatives of carbohydrates. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 373-383.	5.5	201
5	SARS-CoV-2 engages inflammasome and pyroptosis in human primary monocytes. <i>Cell Death Discovery</i> , 2021, 7, 43.	4.7	194
6	Lipid droplets fuel SARS-CoV-2 replication and production of inflammatory mediators. <i>PLoS Pathogens</i> , 2020, 16, e1009127.	4.7	193
7	The clinically approved antiviral drug sofosbuvir inhibits Zika virus replication. <i>Scientific Reports</i> , 2017, 7, 40920.	3.3	167
8	Rapid antigen tests for dengue virus serotypes and Zika virus in patient serum. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	148
9	Atazanavir, Alone or in Combination with Ritonavir, Inhibits SARS-CoV-2 Replication and Proinflammatory Cytokine Production. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	109
10	Design, synthesis, and antiviral activity of new 1H-1,2,3-triazole nucleoside ribavirin analogs. <i>Medicinal Chemistry Research</i> , 2014, 23, 1501-1511.	2.4	102
11	Capturing sequence diversity in metagenomes with comprehensive and scalable probe design. <i>Nature Biotechnology</i> , 2019, 37, 160-168.	17.5	96
12	Sofosbuvir protects Zika virus-infected mice from mortality, preventing short- and long-term sequelae. <i>Scientific Reports</i> , 2017, 7, 9409.	3.3	87
13	The role of NSP6 in the biogenesis of the SARS-CoV-2 replication organelle. <i>Nature</i> , 2022, 606, 761-768.	27.8	87
14	Yellow fever virus is susceptible to sofosbuvir both in vitro and in vivo. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007072.	3.0	84
15	Herpes simplex type 1 activates glycolysis through engagement of the enzyme 6-phosphofructo-1-kinase (PFK-1). <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 1198-1206.	3.8	78
16	Clinical Manifestations of Zika Virus Infection, Rio de Janeiro, Brazil, 2015. <i>Emerging Infectious Diseases</i> , 2016, 22, 1318-1320.	4.3	77
17	The dolabellane diterpene Dolabelladienetriol is a typical noncompetitive inhibitor of HIV-1 reverse transcriptase enzyme. <i>Antiviral Research</i> , 2008, 77, 64-71.	4.1	71
18	Synthesis and anti-HSV-1 activity of new 1,2,3-triazole derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1860-1865.	3.0	70

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19	Beyond Members of the <i>Flaviviridae</i> Family, Sofosbuvir Also Inhibits Chikungunya Virus Replication. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	69
20	<i>In vitro</i> antiviral activity of the anti-HCV drugs daclatasvir and sofosbuvir against SARS-CoV-2, the aetiological agent of COVID-19. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 1874-1885.	3.0	65
21	The Effects of the Diterpenes Isolated from the Brazilian Brown Algae <i>Dictyota paffii</i> and <i>Dictyota menstrualis</i> against the Herpes Simplex Type-1 Replicative Cycle. <i>Planta Medica</i> , 2010, 76, 339-344.	1.3	61
22	COVID-19 hospital admissions: Brazil's first and second waves compared. <i>Lancet Respiratory Medicine</i> , 2021, 9, e82-e83.	10.7	61
23	Development of standard methods for Zika virus propagation, titration, and purification. <i>Journal of Virological Methods</i> , 2017, 246, 65-74.	2.1	58
24	Repurposing the Ebola and Marburg Virus Inhibitors Tilorone, Quinacrine, and Pyronaridine: <i>In Vitro</i> Activity against SARS-CoV-2 and Potential Mechanisms. <i>ACS Omega</i> , 2021, 6, 7454-7468.	3.5	56
25	Impact of neuraminidase inhibitors on influenza A(H1N1)pdm09-related pneumonia: an individual participant data meta-analysis. <i>Influenza and Other Respiratory Viruses</i> , 2016, 10, 192-204.	3.4	54
26	2,8-bis(trifluoromethyl)quinoline analogs show improved anti-Zika virus activity, compared to mefloquine. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 334-340.	5.5	49
27	The Alkaloid 4-Methylaaptamine Isolated from the Sponge <i>Aaptos aaptos</i> Impairs Herpes simplex Virus Type 1 Penetration and Immediate-Early Protein Synthesis. <i>Planta Medica</i> , 2007, 73, 200-205.	1.3	46
28	SAR of a series of anti-HSV-1 acridone derivatives, and a rational acridone-based design of a new anti-HSV-1 3H-benzo[b]pyrazolo[3,4-h]-1,6-naphthyridine series. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 313-321.	3.0	46
29	SARS-CoV-2 Proteins Bind to Hemoglobin and Its Metabolites. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9035.	4.1	41
30	Combination of antiviral drugs inhibits SARS-CoV-2 polymerase and exonuclease and demonstrates COVID-19 therapeutic potential in viral cell culture. <i>Communications Biology</i> , 2022, 5, 154.	4.4	40
31	Emergence of the East-Central-South-African genotype of Chikungunya virus in Brazil and the city of Rio de Janeiro may have occurred years before surveillance detection. <i>Scientific Reports</i> , 2019, 9, 2760.	3.3	38
32	<i>In vitro</i> Antiviral Effect of Meroditerpenes Isolated from the Brazilian Seaweed <i>Styopodium zonale</i> (Dictyotales). <i>Planta Medica</i> , 2007, 73, 1221-1224.	1.3	36
33	Synthesis, antiviral activity and molecular modeling of oxoquinoline derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5476-5481.	3.0	36
34	H1N1pdm Influenza Infection in Hospitalized Cancer Patients: Clinical Evolution and Viral Analysis. <i>PLoS ONE</i> , 2010, 5, e14158.	2.5	34
35	Platelet-monocyte interaction amplifies thromboinflammation through tissue factor signaling in COVID-19. <i>Blood Advances</i> , 2022, 6, 5085-5099.	5.2	32
36	Anti HSV-1 Alkaloids from a Feeding Deterrent Marine Sponge of the Genus <i>Aaptos</i> . <i>Heterocycles</i> , 2002, 57, 1265.	0.7	30

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37	Inhibitory effect of microalgae and cyanobacteria extracts on influenza virus replication and neuraminidase activity. PeerJ, 2018, 6, e5716.	2.0	29
38	Simvastatin Downregulates the SARS-CoV-2-Induced Inflammatory Response and Impairs Viral Infection Through Disruption of Lipid Rafts. Frontiers in Immunology, 2022, 13, 820131.	4.8	29
39	Design, synthesis, and biological evaluation of new 3-hydroxy-2-oxo-3-trifluoromethylindole as potential HIV-1 reverse transcriptase inhibitors. Medicinal Chemistry Research, 2007, 15, 492-510.	2.4	27
40	Detection of Zika Virus in April 2013 Patient Samples, Rio de Janeiro, Brazil. Emerging Infectious Diseases, 2017, 23, 2120-2121.	4.3	27
41	Differential Shedding and Antibody Kinetics of Zika and Chikungunya Viruses, Brazil. Emerging Infectious Diseases, 2019, 25, 311-315.	4.3	26
42	Commercially Available Flavonols Are Better SARS-CoV-2 Inhibitors than Isoflavone and Flavones. Viruses, 2022, 14, 1458.	3.3	26
43	Inhibition of HSV-1 replication and HSV DNA polymerase by the chloroquinolinic ribonucleoside 6-chloro-1,4-dihydro-4-oxo-1-( $\beta$ -D-ribofuranosyl) quinoline-3-carboxylic acid and its aglycone. Antiviral Research, 2008, 77, 20-27.	4.1	23
44	Aureonitol, a Fungi-Derived Tetrahydrofuran, Inhibits Influenza Replication by Targeting Its Surface Glycoprotein Hemagglutinin. PLoS ONE, 2015, 10, e0139236.	2.5	23
45	Polyclonal F(ab $\alpha$ ) <sub>2</sub> fragments of equine antibodies raised against the spike protein neutralize SARS-CoV-2 variants with high potency. IScience, 2021, 24, 103315.	4.1	23
46	Synthesis and anti-HSV-1 evaluation of new 3H-benzo[b]pyrazolo[3,4-h]-1,6-naphthyridines and 3H-pyrido[2,3-b]pyrazolo[3,4-h]-1,6-naphthyridines. Organic and Medicinal Chemistry Letters, 2012, 2, 3.	2.0	22
47	Detection of Oseltamivir-Resistant Pandemic Influenza A(H1N1)pdm2009 in Brazil: Can Community Transmission Be Ruled Out?. PLoS ONE, 2013, 8, e80081.	2.5	21
48	N -(2-(arylmethylimino)ethyl)-7-chloroquinolin-4-amine derivatives, synthesized by thermal and ultrasonic means, are endowed with anti-Zika virus activity. European Journal of Medicinal Chemistry, 2017, 127, 434-441.	5.5	21
49	Atazanavir Is a Competitive Inhibitor of SARS-CoV-2 Mpro, Impairing Variants Replication In Vitro and In Vivo. Pharmaceuticals, 2022, 15, 21.	3.8	21
50	Human endogenous retrovirus K in the respiratory tract is associated with COVID-19 physiopathology. Microbiome, 2022, 10, 65.	11.1	20
51	Genetic Evidence and Host Immune Response in Persons Reinfected with SARS-CoV-2, Brazil. Emerging Infectious Diseases, 2021, 27, 1446-1453.	4.3	19
52	Non-permissive SARS-CoV-2 infection in human neurospheres. Stem Cell Research, 2021, 54, 102436.	0.7	19
53	The nerve growth factor reduces APOBEC3G synthesis and enhances HIV-1 transcription and replication in human primary macrophages. Blood, 2011, 117, 2944-2952.	1.4	18
54	Agathisflavone, a Biflavonoid from Anacardium occidentale L., Inhibits Influenza Virus Neuraminidase. Current Topics in Medicinal Chemistry, 2020, 20, 111-120.	2.1	18

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55	Synthesis and Anti-HSV-1 Activity of 1,4-dihydro-4-oxoquinoline Ribonucleosides. <i>Letters in Drug Design and Discovery</i> , 2007, 4, 404-409.	0.7	17
56	Dengue virus-activated platelets modulate monocyte immunometabolic response through lipid droplet biogenesis and cytokine signaling. <i>Journal of Leukocyte Biology</i> , 2020, 108, 1293-1306.	3.3	17
57	Sofosbuvir shows a protective effect against vertical transmission of Zika virus and the associated congenital syndrome in rhesus monkeys. <i>Antiviral Research</i> , 2020, 182, 104859.	4.1	15
58	Polymorphisms at Residue 222 of the Hemagglutinin of Pandemic Influenza A(H1N1)pdm09: Association of Quasi-Species to Morbidity and Mortality in Different Risk Categories. <i>PLoS ONE</i> , 2014, 9, e92789.	2.5	15
59	SARS-CoV-2: Ultrastructural Characterization of Morphogenesis in an In Vitro System. <i>Viruses</i> , 2022, 14, 201.	3.3	15
60	VIP plasma levels associate with survival in severe COVID-19 patients, correlating with protective effects in SARS-CoV-2-infected cells. <i>Journal of Leukocyte Biology</i> , 2022, 111, 1107-1121.	3.3	15
61	Platelet proteome reveals features of cell death, antiviral response and viral replication in covid-19. <i>Cell Death Discovery</i> , 2022, 8, .	4.7	15
62	SYNTHESIS AND ANTIVIRAL ACTIVITY OF NEW 4- (PHENYLAMINO)THIENO[2,3-b]PYRIDINE DERIVATIVES. <i>Heterocyclic Communications</i> , 2004, 10, .	1.2	14
63	The Compound 6-Chloro-1,4-Dihydro-4-Oxo-1-( $\beta$ -D-Ribofuranosyl) Quinoline-3-Carboxylic Acid Inhibits HIV-1 Replication by Targeting the Enzyme Reverse Transcriptase. <i>Current HIV Research</i> , 2008, 6, 209-217.	0.5	13
64	The COVID-19 pandemics and the relevance of biosafety facilities for metagenomics surveillance, structured disease prevention and control. <i>Biosafety and Health</i> , 2021, 3, 1-3.	2.7	13
65	1,2,3-Triazolyl-4-oxoquinolines: A feasible beginning for promising chemical structures to inhibit oseltamivir-resistant influenza A and B viruses. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 7777-7784.	3.0	12
66	Design, synthesis, in vitro and in silico studies of novel 4-oxoquinoline ribonucleoside derivatives as HIV-1 reverse transcriptase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2020, 194, 112255.	5.5	12
67	Unlike Chloroquine, Mefloquine Inhibits SARS-CoV-2 Infection in Physiologically Relevant Cells. <i>Viruses</i> , 2022, 14, 374.	3.3	12
68	Characterization of HIV-1 Enzyme Reverse Transcriptase Inhibition by the Compound 6-Chloro-1,4-Dihydro-4-Oxo-1-( $\beta$ -D-Ribofuranosyl) Quinoline-3-Carboxylic Acid Through Kinetic and In Silico Studies. <i>Current HIV Research</i> , 2009, 7, 327-335.	0.5	11
69	Intranasal Immunization with Pressure Inactivated Avian Influenza Elicits Cellular and Humoral Responses in Mice. <i>PLoS ONE</i> , 2015, 10, e0128785.	2.5	11
70	The Chemokine CCL5 Inhibits the Replication of Influenza A Virus Through SAMHD1 Modulation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 549020.	3.9	11
71	An observational clinical case of Zika virus-associated neurological disease is associated with primary IgG response and enhanced TNF levels. <i>Journal of General Virology</i> , 2018, 99, 913-916.	2.9	11
72	Oseltamivir-resistant influenza A(H1N1)pdm2009 strains found in Brazil are endowed with permissive mutations, which compensate the loss of fitness imposed by antiviral resistance. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2015, 110, 101-105.	1.6	10

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73	The chloroquinolinic derivative 6-chloro-1,4-dihydro-4-oxo-1-( $\beta$ -D-ribofuranosyl)quinoline-3-carboxylic acid inhibits HSV-1 adsorption by impairing its adsorption on HVEM. <i>Archives of Virology</i> , 2007, 152, 1417-1424.	2.1	9
74	The Effects of Neurotrophins and the Neuropeptides VIP and PACAP on HIV-1 Infection: Histories with Opposite Ends. <i>NeuroImmunoModulation</i> , 2014, 21, 268-282.	1.8	9
75	Identification of 1-Aryl-1H-1,2,3-triazoles as Potential New Antiretroviral Agents. <i>Medicinal Chemistry</i> , 2018, 14, 242-248.	1.5	9
76	Chemistry and anti-herpes simplex virus type 1 evaluation of 4-substituted-1H-1,2,3-triazole-nitroxyl-linked hybrids. <i>Molecular Diversity</i> , 2021, 25, 2035-2043.	3.9	9
77	HIV-1 and Its gp120 Inhibits the Influenza A(H1N1)pdm09 Life Cycle in an IFITM3-Dependent Fashion. <i>PLoS ONE</i> , 2014, 9, e101056.	2.5	9
78	Antiviral resistance surveillance for influenza A virus in Brazil: investigation on 2009 pandemic influenza A (H1N1) resistance to oseltamivir. <i>Diagnostic Microbiology and Infectious Disease</i> , 2011, 71, 98-99.	1.8	8
79	H1N1pdm09 Adjuvanted Vaccination in HIV-Infected Adults: A Randomized Trial of Two Single versus Two Double Doses. <i>PLoS ONE</i> , 2012, 7, e39310.	2.5	8
80	New Efavirenz Derivatives and 1,2,3-Triazolyl-phosphonates as Inhibitors of Reverse Transcriptase of HIV-1. <i>Current Topics in Medicinal Chemistry</i> , 2018, 18, 1494-1505.	2.1	8
81	Molecular findings from influenza A(H1N1)pdm09 detected in patients from a Brazilian equatorial region during the pandemic period. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2014, 109, 912-917.	1.6	7
82	HIV controllers suppress viral replication and evolution and prevent disease progression following intersubtype HIV-1 superinfection. <i>Aids</i> , 2019, 33, 399-410.	2.2	6
83	Neuraminidase from Influenza A and B Viruses is Susceptible to the Compound 4-(4-Phenyl-1H-1,2,3-Triazol-1-yl)-2,2,6,6-Tetramethylpiperidine-1-Oxyl. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 132-139.	2.1	5
84	WIN 55,212-2 shows anti-inflammatory and survival properties in human iPSC-derived cardiomyocytes infected with SARS-CoV-2. <i>PeerJ</i> , 2021, 9, e12262.	2.0	5
85	Inhibition of SARS-CoV-2 infection in human iPSC-derived cardiomyocytes by targeting the Sigma-1 receptor disrupts cytoarchitecture and beating. <i>PeerJ</i> , 2021, 9, e12595.	2.0	5
86	Immunogenicity and sustainability of the immune response in Brazilian HIV-1 infected individuals vaccinated with inactivated triple influenza vaccine. <i>Journal of Medical Virology</i> , 2016, 88, 426-436.	5.0	3
87	Increased expression of CDKN1A/p21 in HIV-1 controllers is correlated with upregulation of ZC3H12A/MCPIP1. <i>Retrovirology</i> , 2020, 17, 18.	2.0	3
88	Immunogenicity of SARS-CoV-2 Trimeric Spike Protein Associated to Poly(I:C) Plus Alum. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	3
89	Detection of the Influenza A(H1N1)pdm09 Virus Carrying the K-15E, P83S and Q293H Mutations in Patients Who Have Undergone Bone Marrow Transplant. <i>PLoS ONE</i> , 2014, 9, e94822.	2.5	2
90	SARS-CoV-2 Molecular Epidemiology Can Be Enhanced by Occupational Health: The Experience of Monitoring Variants of Concern in Workplaces in Rio de Janeiro, Brazil. <i>Frontiers in Medicine</i> , 2022, 9, 862284.	2.6	2

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91	Promising novel compounds for the generation of new anti-HIV-RT therapeutic drugs. HIV Therapy, 2009, 3, 255-267.	0.6	0
92	Active syndromic surveillance program of arboviruses in Rio de Janeiro, Brazil. International Journal of Infectious Diseases, 2016, 53, 140.	3.3	0
93	Influenza virus RNA polymerase may be activated inside the virion. Journal of General Virology, 2018, 99, 1608-1613.	2.9	0
94	Lipid droplets fuel SARS-CoV-2 replication and production of inflammatory mediators. , 2020, 16, e1009127.		0
95	Lipid droplets fuel SARS-CoV-2 replication and production of inflammatory mediators. , 2020, 16, e1009127.		0
96	Lipid droplets fuel SARS-CoV-2 replication and production of inflammatory mediators. , 2020, 16, e1009127.		0