Rafael Elias Marques

List of Publications by Year
in descending order

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42 papers	2,458 citations	279487 23 h-index	288905 40 g-index
51 all docs	51 docs citations	51 times ranked	5275 citing authors

#	Article	IF	Citations
1	Elevated Glucose Levels Favor SARS-CoV-2 Infection and Monocyte Response through a HIF-1Î±/Glycolysis-Dependent Axis. Cell Metabolism, 2020, 32, 437-446.e5.	7.2	578
2	The Viral Polymerase Inhibitor 7-Deaza-2â€™-C-Methyladenosine Is a Potent Inhibitor of In Vitro Zika Virus Replication and Delays Disease Progression in a Robust Mouse Infection Model. PLoS Neglected Tropical Diseases, 2016, 10, e0004695.	1.3	250
3	Targeting CCL5 in inflammation. Expert Opinion on Therapeutic Targets, 2013, 17, 1439-1460.	1.5	234
4	Hepatic DNA deposition drives drugâ€induced liver injury and inflammation in mice. Hepatology, 2015, 61, 348-360.	3.6	145
5	Early use of nitazoxanide in mild COVID-19 disease: randomised, placebo-controlled trial. European Respiratory Journal, 2021, 58, 2003725.	3.1	117
6	Neutralisation of SARS-CoV-2 lineage P.1 by antibodies elicited through natural SARS-CoV-2 infection or vaccination with an inactivated SARS-CoV-2 vaccine: an immunological study. Lancet Microbe, The, 2021, 2, e527-e535.	3.4	92
7	N -Methyl- <scp>d</scp> -Aspartate (NMDA) Receptor Blockade Prevents Neuronal Death Induced by Zika Virus Infection. MBio, 2017, 8, .	1.8	70
8	Role of the Chemokine Receptors CCR1, CCR2 and CCR4 in the Pathogenesis of Experimental Dengue Infection in Mice. PLoS ONE, 2010, 5, e15680.	1.1	54
9	ILâ€22 modulates ILâ€17A production and controls inflammation and tissue damage in experimental dengue infection. European Journal of Immunology, 2013, 43, 1529-1544.	1.6	54
10	Dengue virus requires the CCâ€chemokine receptor CCR5 for replication and infection development. Immunology, 2015, 145, 583-596.	2.0	49
11	Biological and social challenges of human reproduction in a long-term Mars base. Futures, 2018, 100, 56-62.	1.4	44
12	Hydrocephalus and arthrogryposis in an immunocompetent mouse model of ZIKA teratogeny: A developmental study. PLoS Neglected Tropical Diseases, 2017, 11, e0005363.	1.3	43
13	A yellow feverâ€“Zika chimeric virus vaccine candidate protects against Zika infection and congenital malformations in mice. Npj Vaccines, 2018, 3, 56.	2.9	41
14	Isolation of Saint Louis Encephalitis Virus from a Horse with Neurological Disease in Brazil. PLoS Neglected Tropical Diseases, 2013, 7, e2537.	1.3	38
15	Atypical response to bacterial coinfection and persistent neutrophilic bronchoalveolar inflammation distinguish critical COVID-19 from influenza. JCI Insight, 2022, 7, .	2.3	38
16	Kinetics of peripheral blood neutrophils in severe coronavirus disease 2019. Clinical and Translational Immunology, 2021, 10, e1271.	1.7	36
17	Zika crisis in Brazil: challenges in research and development. Current Opinion in Virology, 2016, 18, 76-81.	2.6	32
18	A Detrimental Role for Invariant Natural Killer T Cells in the Pathogenesis of Experimental Dengue Virus Infection. American Journal of Pathology, 2011, 179, 1872-1883.	1.9	31

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19	Exploring the Homeostatic and Sensory Roles of the Immune System. Frontiers in Immunology, 2016, 7, 125.	2.2	31
20	A Chimeric Japanese Encephalitis Vaccine Protects against Lethal Yellow Fever Virus Infection without Inducing Neutralizing Antibodies. MBio, 2020, 11, .	1.8	30
21	Cryo-EM structure of the mature and infective Mayaro virus at 4.4â€‰Ã… resolution reveals features of arthritogenic alphaviruses. Nature Communications, 2021, 12, 3038.	5.8	28
22	Thiosemicarbazones and Phthalyl-Thiazoles compounds exert antiviral activity against yellow fever virus and Saint Louis encephalitis virus. Biomedicine and Pharmacotherapy, 2017, 87, 381-387.	2.5	26
23	Flavonoids from Pterogyne nitens as Zika virus NS2B-NS3 protease inhibitors. Bioorganic Chemistry, 2021, 109, 104719.	2.0	26
24	Zika-virus-infected human full-term placental explants display pro-inflammatory responses and undergo apoptosis. Archives of Virology, 2018, 163, 2687-2699.	0.9	24
25	Levels of SARS-CoV-2 Lineage P.1 Neutralization by Antibodies Elicited after Natural Infection and Vaccination. SSRN Electronic Journal, 0, , .	0.4	23
26	Pediatric COVID-19 patients in South Brazil show abundant viral mRNA and strong specific anti-viral responses. Nature Communications, 2021, 12, 6844.	5.8	22
27	Shielding and stealth effects of zwitterion moieties in double-functionalized silica nanoparticles. Journal of Colloid and Interface Science, 2019, 553, 540-548.	5.0	20
28	Structural dynamics of SARS-CoV-2 nucleocapsid protein induced by RNA binding. PLoS Computational Biology, 2022, 18, e1010121.	1.5	19
29	Serological Testing for COVID-19, Immunological Surveillance, and Exploration of Protective Antibodies. Frontiers in Immunology, 2021, 12, 635701.	2.2	13
30	Development of a model of Saint Louis encephalitis infection and disease in mice. Journal of Neuroinflammation, 2017, 14, 61.	3.1	10
31	Interleukinâ€33 contributes to disease severity in Dengue virus infection in mice. Immunology, 2018, 155, 477-490.	2.0	10
32	First genome sequence of St. Louis encephalitis virus (SLEV) isolated from a human in Brazil. Archives of Virology, 2015, 160, 1189-1195.	0.9	8
33	Host target-based approaches against arboviral diseases. Biological Chemistry, 2018, 399, 203-217.	1.2	6
34	Clusters of SARS-CoV-2 Lineage B.1.1.7 Infection after Vaccination with Adenovirus-Vectored and Inactivated Vaccines. Viruses, 2021, 13, 2127.	1.5	6
35	Identification of Compounds With Antiviral Activity Against SARS-CoV-2 in the MMV Pathogen Box Using a Phenotypic High-Throughput Screening Assay. Frontiers in Virology, 2022, 2, .	0.7	6
36	Type I interferons are essential while type II interferon is dispensable for protection against St. Louis encephalitis virus infection in the mouse brain. Virulence, 2021, 12, 244-259.	1.8	3

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37	Predicting Antigenic Peptides from Rocio Virus NS1 Protein for Immunodiagnostic Testing Using Immunoinformatics and Molecular Dynamics Simulation. International Journal of Molecular Sciences, 2022, 23, 7681.	1.8	3
38	Neutrophil Recruitment and Participation in Severe Diseases Caused by Flavivirus Infection. Life, 2021, 11, 717.	1.1	2
39	Identification and characterization of the anti-SARS-CoV-2 activity of cationic amphiphilic steroidal compounds. Virulence, 2022, 13, 1031-1048.	1.8	2
40	Study of zika virus infection in human placenta explants. Placenta, 2017, 51, 119-120.	0.7	0
41	Clusters of SARS-CoV-2 Lineage B.1.1.7 Infection After Vaccination With Adenovirus-Vectored and Inactivated Vaccines: A Cohort Study. SSRN Electronic Journal, 0, , .	0.4	0
42	Establishment and characterization of a model of Mayaro virus infection in immunocompromised mice. Revista Dos Trabalhos De IniciaÃ§Ã£o CientÃfica Da UNICAMP, 2019, , .	0.0	0