Rafael Elias Marques

List of Publications by Year
in descending order

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42 papers	2,458 citations	279798 23 h-index	289244 40 g-index
51 all docs	51 docs citations	51 times ranked	5275 citing authors

#	Article	IF	Citations
1	Atypical response to bacterial coinfection and persistent neutrophilic bronchoalveolar inflammation distinguish critical COVID-19 from influenza. JCI Insight, 2022, 7, .	5.0	38
2	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, .	1.4	6
3	Structural dynamics of SARS-CoV-2 nucleocapsid protein induced by RNA binding. PLoS Computational Biology, 2022, 18, e1010121.	3.2	19
4	Identification and characterization of the anti-SARS-CoV-2 activity of cationic amphiphilic steroidal compounds. Virulence, 2022, 13, 1031-1048.	4.4	2
5	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.	4.1	3
6	Flavonoids from Pterogyne nitens as Zika virus NS2B-NS3 protease inhibitors. Bioorganic Chemistry, 2021, 109, 104719.	4.1	26
7	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.	12.8	28
8	Neutrophil Recruitment and Participation in Severe Diseases Caused by Flavivirus Infection. Life, 2021, 11, 717.	2.4	2
9	Serological Testing for COVID-19, Immunological Surveillance, and Exploration of Protective Antibodies. Frontiers in Immunology, 2021, 12, 635701.	4.8	13
10	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.	7.3	92
11	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.	4.4	3
12	Kinetics of peripheral blood neutrophils in severe coronavirus disease 2019. Clinical and Translational Immunology, 2021, 10, e1271.	3.8	36
13	Early use of nitazoxanide in mild COVID-19 disease: randomised, placebo-controlled trial. European Respiratory Journal, 2021, 58, 2003725.	6.7	117
14	Clusters of SARS-CoV-2 Lineage B.1.1.7 Infection after Vaccination with Adenovirus-Vectored and Inactivated Vaccines. Viruses, 2021, 13, 2127.	3.3	6
15	Pediatric COVID-19 patients in South Brazil show abundant viral mRNA and strong specific anti-viral responses. Nature Communications, 2021, 12, 6844.	12.8	22
16	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.	16.2	578
17	A Chimeric Japanese Encephalitis Vaccine Protects against Lethal Yellow Fever Virus Infection without Inducing Neutralizing Antibodies. MBio, 2020, 11, .	4.1	30
18	Shielding and stealth effects of zwitterion moieties in double-functionalized silica nanoparticles. Journal of Colloid and Interface Science, 2019, 553, 540-548.	9.4	20

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19	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
20	Biological and social challenges of human reproduction in a long-term Mars base. Futures, 2018, 100, 56-62.	2.5	44
21	Host target-based approaches against arboviral diseases. Biological Chemistry, 2018, 399, 203-217.	2.5	6
22	A yellow feverâ€“Zika chimeric virus vaccine candidate protects against Zika infection and congenital malformations in mice. Npj Vaccines, 2018, 3, 56.	6.0	41
23	Interleukinâ€33 contributes to disease severity in Dengue virus infection in mice. Immunology, 2018, 155, 477-490.	4.4	10
24	Zika-virus-infected human full-term placental explants display pro-inflammatory responses and undergo apoptosis. Archives of Virology, 2018, 163, 2687-2699.	2.1	24
25	Thiosemicarbazones and Phthalyl-Thiazoles compounds exert antiviral activity against yellow fever virus and Saint Louis encephalitis virus. Biomedicine and Pharmacotherapy, 2017, 87, 381-387.	5.6	26
26	N -Methyl- <scp>d</scp> -Aspartate (NMDA) Receptor Blockade Prevents Neuronal Death Induced by Zika Virus Infection. MBio, 2017, 8, .	4.1	70
27	Study of zika virus infection in human placenta explants. Placenta, 2017, 51, 119-120.	1.5	0
28	Development of a model of Saint Louis encephalitis infection and disease in mice. Journal of Neuroinflammation, 2017, 14, 61.	7.2	10
29	Hydrocephalus and arthrogryposis in an immunocompetent mouse model of ZIKA teratogeny: A developmental study. PLoS Neglected Tropical Diseases, 2017, 11, e0005363.	3.0	43
30	Exploring the Homeostatic and Sensory Roles of the Immune System. Frontiers in Immunology, 2016, 7, 125.	4.8	31
31	Zika crisis in Brazil: challenges in research and development. Current Opinion in Virology, 2016, 18, 76-81.	5.4	32
32	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.	3.0	250
33	First genome sequence of St. Louis encephalitis virus (SLEV) isolated from a human in Brazil. Archives of Virology, 2015, 160, 1189-1195.	2.1	8
34	Dengue virus requires the CCâ€chemokine receptor CCR5 for replication and infection development. Immunology, 2015, 145, 583-596.	4.4	49
35	Hepatic DNA deposition drives drugâ€induced liver injury and inflammation in mice. Hepatology, 2015, 61, 348-360.	7.3	145
36	Targeting CCL5 in inflammation. Expert Opinion on Therapeutic Targets, 2013, 17, 1439-1460.	3.4	234

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37	ILâ€22 modulates ILâ€17A production and controls inflammation and tissue damage in experimental dengue infection. European Journal of Immunology, 2013, 43, 1529-1544.	2.9	54
38	Isolation of Saint Louis Encephalitis Virus from a Horse with Neurological Disease in Brazil. PLoS Neglected Tropical Diseases, 2013, 7, e2537.	3.0	38
39	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.	3.8	31
40	Role of the Chemokine Receptors CCR1, CCR2 and CCR4 in the Pathogenesis of Experimental Dengue Infection in Mice. PLoS ONE, 2010, 5, e15680.	2.5	54
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	Levels of SARS-CoV-2 Lineage P.1 Neutralization by Antibodies Elicited after Natural Infection and Vaccination. SSRN Electronic Journal, 0, , .	0.4	23