

# Rafael Elias Marques

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Elevated Glucose Levels Favor SARS-CoV-2 Infection and Monocyte Response through a HIF-1 $\alpha$ /Glycolysis-Dependent Axis. <i>Cell Metabolism</i> , 2020, 32, 437-446.e5.	16.2	578
2	The Viral Polymerase Inhibitor 7-Deaza-2 $\alpha$ -C-Methyladenosine Is a Potent Inhibitor of In Vitro Zika Virus Replication and Delays Disease Progression in a Robust Mouse Infection Model. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004695.	3.0	250
3	Targeting CCL5 in inflammation. <i>Expert Opinion on Therapeutic Targets</i> , 2013, 17, 1439-1460.	3.4	234
4	Hepatic DNA deposition drives drug $\alpha$ -induced liver injury and inflammation in mice. <i>Hepatology</i> , 2015, 61, 348-360.	7.3	145
5	Early use of nitazoxanide in mild COVID-19 disease: randomised, placebo-controlled trial. <i>European Respiratory Journal</i> , 2021, 58, 2003725.	6.7	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. <i>Lancet Microbe</i> , The, 2021, 2, e527-e535.	7.3	92
7	<i>N</i> -Methyl- <i>D</i> -Aspartate (NMDA) Receptor Blockade Prevents Neuronal Death Induced by Zika Virus Infection. <i>MBio</i> , 2017, 8, .	4.1	70
8	Role of the Chemokine Receptors CCR1, CCR2 and CCR4 in the Pathogenesis of Experimental Dengue Infection in Mice. <i>PLoS ONE</i> , 2010, 5, e15680.	2.5	54
9	IL $\alpha$ 22 modulates IL $\alpha$ 17A production and controls inflammation and tissue damage in experimental dengue infection. <i>European Journal of Immunology</i> , 2013, 43, 1529-1544.	2.9	54
10	Dengue virus requires the CC $\alpha$ hemokine receptor CCR5 for replication and infection development. <i>Immunology</i> , 2015, 145, 583-596.	4.4	49
11	Biological and social challenges of human reproduction in a long-term Mars base. <i>Futures</i> , 2018, 100, 56-62.	2.5	44
12	Hydrocephalus and arthrogryposis in an immunocompetent mouse model of ZIKA teratogeny: A developmental study. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005363.	3.0	43
13	A yellow fever $\alpha$ Zika chimeric virus vaccine candidate protects against Zika infection and congenital malformations in mice. <i>Npj Vaccines</i> , 2018, 3, 56.	6.0	41
14	Isolation of Saint Louis Encephalitis Virus from a Horse with Neurological Disease in Brazil. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2537.	3.0	38
15	Atypical response to bacterial coinfection and persistent neutrophilic bronchoalveolar inflammation distinguish critical COVID-19 from influenza. <i>JCI Insight</i> , 2022, 7, .	5.0	38
16	Kinetics of peripheral blood neutrophils in severe coronavirus disease 2019. <i>Clinical and Translational Immunology</i> , 2021, 10, e1271.	3.8	36
17	Zika crisis in Brazil: challenges in research and development. <i>Current Opinion in Virology</i> , 2016, 18, 76-81.	5.4	32
18	A Detrimental Role for Invariant Natural Killer T Cells in the Pathogenesis of Experimental Dengue Virus Infection. <i>American Journal of Pathology</i> , 2011, 179, 1872-1883.	3.8	31

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19	Exploring the Homeostatic and Sensory Roles of the Immune System. <i>Frontiers in Immunology</i> , 2016, 7, 125.	4.8	31
20	A Chimeric Japanese Encephalitis Vaccine Protects against Lethal Yellow Fever Virus Infection without Inducing Neutralizing Antibodies. <i>MBio</i> , 2020, 11, .	4.1	30
21	Cryo-EM structure of the mature and infective Mayaro virus at 4.4Å resolution reveals features of arthritogenic alphaviruses. <i>Nature Communications</i> , 2021, 12, 3038.	12.8	28
22	Thiosemicarbazones and Phthalyl-Thiazoles compounds exert antiviral activity against yellow fever virus and Saint Louis encephalitis virus. <i>Biomedicine and Pharmacotherapy</i> , 2017, 87, 381-387.	5.6	26
23	Flavonoids from <i>Pterogyne nitens</i> as Zika virus NS2B-NS3 protease inhibitors. <i>Bioorganic Chemistry</i> , 2021, 109, 104719.	4.1	26
24	Zika-virus-infected human full-term placental explants display pro-inflammatory responses and undergo apoptosis. <i>Archives of Virology</i> , 2018, 163, 2687-2699.	2.1	24
25	Levels of SARS-CoV-2 Lineage P.1 Neutralization by Antibodies Elicited after Natural Infection and Vaccination. <i>SSRN Electronic Journal</i> , 0, , .	0.4	23
26	Pediatric COVID-19 patients in South Brazil show abundant viral mRNA and strong specific anti-viral responses. <i>Nature Communications</i> , 2021, 12, 6844.	12.8	22
27	Shielding and stealth effects of zwitterion moieties in double-functionalized silica nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 540-548.	9.4	20
28	Structural dynamics of SARS-CoV-2 nucleocapsid protein induced by RNA binding. <i>PLoS Computational Biology</i> , 2022, 18, e1010121.	3.2	19
29	Serological Testing for COVID-19, Immunological Surveillance, and Exploration of Protective Antibodies. <i>Frontiers in Immunology</i> , 2021, 12, 635701.	4.8	13
30	Development of a model of Saint Louis encephalitis infection and disease in mice. <i>Journal of Neuroinflammation</i> , 2017, 14, 61.	7.2	10
31	Interleukin-33 contributes to disease severity in Dengue virus infection in mice. <i>Immunology</i> , 2018, 155, 477-490.	4.4	10
32	First genome sequence of St. Louis encephalitis virus (SLEV) isolated from a human in Brazil. <i>Archives of Virology</i> , 2015, 160, 1189-1195.	2.1	8
33	Host target-based approaches against arboviral diseases. <i>Biological Chemistry</i> , 2018, 399, 203-217.	2.5	6
34	Clusters of SARS-CoV-2 Lineage B.1.1.7 Infection after Vaccination with Adenovirus-Vectored and Inactivated Vaccines. <i>Viruses</i> , 2021, 13, 2127.	3.3	6
35	Identification of Compounds With Antiviral Activity Against SARS-CoV-2 in the MMV Pathogen Box Using a Phenotypic High-Throughput Screening Assay. <i>Frontiers in Virology</i> , 2022, 2, .	1.4	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. <i>Virulence</i> , 2021, 12, 244-259.	4.4	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.	4.1	3
38	Neutrophil Recruitment and Participation in Severe Diseases Caused by Flavivirus Infection. Life, 2021, 11, 717.	2.4	2
39	Identification and characterization of the anti-SARS-CoV-2 activity of cationic amphiphilic steroidal compounds. Virulence, 2022, 13, 1031-1048.	4.4	2
40	Study of zika virus infection in human placenta explants. Placenta, 2017, 51, 119-120.	1.5	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 Iniciação Científica Da UNICAMP, 2019, , .	0.0	0