Rafael Freitas Oliveira Franca

List of Publications by Year
in descending order

73 papers	3,262 citations	236912 25 h-index	168376 53 g-index
76 all docs	76 docs citations	76 times ranked	7234 citing authors

#	Article	IF	Citations
1	A Review on Chikungunya Virus Epidemiology, Pathogenesis and Current Vaccine Development. Viruses, 2022, 14, 969.	3.3	45
2	Myopericarditis associated with acute Zika virus infection: a case report. BMC Infectious Diseases, 2022, 22, .	2.9	2
3	Three-quarters attack rate of SARS-CoV-2 in the Brazilian Amazon during a largely unmitigated epidemic. Science, 2021, 371, 288-292.	12.6	412
4	Guillain-BarrÃ© syndrome during the Zika virus outbreak in Northeast Brazil: An observational cohort study. Journal of the Neurological Sciences, 2021, 420, 117272.	0.6	24
5	Cohort profile: Study on Zika virus infection in Brazil (ZIKABRA study). PLoS ONE, 2021, 16, e0244981.	2.5	7
6	An initiative of cooperation in Zika virus research: the experience of the ZIKABRA study in Brazil. BMC Public Health, 2021, 21, 572.	2.9	0
7	Cytokines and Soluble HLA-G Levels in the Acute and Recovery Phases of Arbovirus-Infected Brazilian Patients Exhibiting Neurological Complications. Frontiers in Immunology, 2021, 12, 582935.	4.8	10
8	High Incidence of Zika or Chikungunya Infection among Pregnant Women Hospitalized Due to Obstetrical Complications in Northeastern Brazilâ€"Implications for Laboratory Screening in Arbovirus Endemic Area. Viruses, 2021, 13, 744.	3.3	7
9	MLL5 improves ATRA driven differentiation and promotes xenotransplant engraftment in acute promyelocytic leukemia model. Cell Death and Disease, 2021, 12, 371.	6.3	5
10	The P-MAPA Immunomodulator Partially Prevents Apoptosis Induced by Zika Virus Infection in THP-1 Cells. Current Pharmaceutical Biotechnology, 2021, 22, 514-522.	1.6	1
11	Lying in wait: the resurgence of dengue virus after the Zika epidemic in Brazil. Nature Communications, 2021, 12, 2619.	12.8	43
12	COVID-19 symptoms at hospital admission vary with age and sex: results from the ISARIC prospective multinational observational study. Infection, 2021, 49, 889-905.	4.7	62
13	Production of levan from Bacillus subtilis var. natto and apoptotic effect on SH-SY5Y neuroblastoma cells. Carbohydrate Polymers, 2021, 273, 118613.	10.2	12
14	Zika virus RNA excretion in sweat with concomitant detection in other body fluid specimens. Memorias Do Instituto Oswaldo Cruz, 2021, 115, e200339.	1.6	5
15	The ratio of ATP11C/PLSCR1 mRNA transcripts has clinical significance in sickle cell anemia. Annals of Hematology, 2021, , 1.	1.8	1
16	The value of open-source clinical science in pandemic response: lessons from ISARIC. Lancet Infectious Diseases, The, 2021, 21, 1623-1624.	9.1	21
17	Reactive Oxygen Species (ROS) Are Not a Key Determinant for Zika Virus-Induced Apoptosis in SH-SY5Y Neuroblastoma Cells. Viruses, 2021, 13, 2111.	3.3	8
18	The legacy of ZikaPLAN: a transnational research consortium addressing Zika. Global Health Action, 2021, 14, 2008139.	1.9	5

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19	Can urbanisation influence alcohol consumption by Indigenous groups? A brief analysis of Brazilian data. Drug and Alcohol Review, 2021, , .	2.1	0
20	Cohort profile: Study on Zika virus infection in Brazil (ZIKABRA study). , 2021, 16, e0244981.		0
21	Cohort profile: Study on Zika virus infection in Brazil (ZIKABRA study). , 2021, 16, e0244981.		0
22	Cohort profile: Study on Zika virus infection in Brazil (ZIKABRA study). , 2021, 16, e0244981.		0
23	Cohort profile: Study on Zika virus infection in Brazil (ZIKABRA study). , 2021, 16, e0244981.		0
24	Cohort profile: Study on Zika virus infection in Brazil (ZIKABRA study). , 2021, 16, e0244981.		0
25	Cohort profile: Study on Zika virus infection in Brazil (ZIKABRA study). , 2021, 16, e0244981.		0
26	Association between ANXA2*5681 polymorphism (rs7170178) and osteonecrosis in haemoglobin SSâ€genotyped patients. British Journal of Haematology, 2020, 188, e8-e11.	2.5	2
27	Reduced Duration of Postchikungunya Musculoskeletal Pain in Rheumatological Patients Treated with Biologicals. Journal of Tropical Medicine, 2020, 2020, 1-6.	1.7	3
28	Neurological disease in adults with Zika and chikungunya virus infection in Northeast Brazil: a prospective observational study. Lancet Neurology, The, 2020, 19, 826-839.	10.2	68
29	Persistence of chikungunya ECSA genotype and local outbreak in an upper medium class neighborhood in Northeast Brazil. PLoS ONE, 2020, 15, e0226098.	2.5	7
30	The Transcriptional and Protein Profile From Human Infected Neuroprogenitor Cells Is Strongly Correlated to Zika Virus Microcephaly Cytokines Phenotype Evidencing a Persistent Inflammation in the CNS. Frontiers in Immunology, 2019, 10, 1928.	4.8	49
31	ZikaPLAN: addressing the knowledge gaps and working towards a research preparedness network in the Americas. Global Health Action, 2019, 12, 1666566.	1.9	13
32	Zika virus infection in pregnancy: Establishing a case definition for clinical research onÂpregnant women with rash in an active transmission setting. PLoS Neglected Tropical Diseases, 2019, 13, e0007763.	3.0	30
33	Genome sequencing reveals coinfection by multiple chikungunya virus genotypes in a recent outbreak in Brazil. PLoS Neglected Tropical Diseases, 2019, 13, e0007332.	3.0	21
34	Zika Virus in Rectal Swab Samples. Emerging Infectious Diseases, 2019, 25, 951-954.	4.3	17
35	Neutrophil Extracellular Traps Effectively Control Acute Chikungunya Virus Infection. Frontiers in Immunology, 2019, 10, 3108.	4.8	85
36	Study on the persistence of Zika virus (ZIKV) in body fluids of patients with ZIKV infection in Brazil. BMC Infectious Diseases, 2018, 18, 49.	2.9	40

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37	Persistent detection of Zika virus RNA from an infant with severe microcephaly â€“ a case report. BMC Infectious Diseases, 2018, 18, 388.	2.9	17
38	Dengue virus (DENV)-specific antibodies enhance Brazilian Zika virus (ZIKV) infection. Journal of Infectious Diseases, 2017, 215, jiw638.	4.0	115
39	The transcription factor musculin promotes the unidirectional development of peripheral Treg cells by suppressing the TH2 transcriptional program. Nature Immunology, 2017, 18, 344-353.	14.5	47
40	Establishment and cryptic transmission of Zika virus in Brazil and the Americas. Nature, 2017, 546, 406-410.	27.8	515
41	Enhancement of Zika Infection by Dengue-Specific Antibodies Does Not Alter the Production of Interleukin 6 in FcÎ³RII-Expressing K562 Cells. Journal of Infectious Diseases, 2017, 216, 614-615.	4.0	7
42	Zika virus replication in the mosquito Culex quinquefasciatus in Brazil. Emerging Microbes and Infections, 2017, 6, 1-11.	6.5	150
43	The thiopurine nucleoside analogue 6-methylmercaptopurine riboside (6MMPr) effectively blocks Zika virus replication. International Journal of Antimicrobial Agents, 2017, 50, 718-725.	2.5	34
44	Mapping Putative B-Cell Zika Virus NS1 Epitopes Provides Molecular Basis for Anti-NS1 Antibody Discrimination between Zika and Dengue Viruses. ACS Omega, 2017, 2, 3913-3920.	3.5	41
45	Zika virus tropism and interactions in myelinating neural cell cultures: CNS cells and myelin are preferentially affected. Acta Neuropathologica Communications, 2017, 5, 50.	5.2	56
46	Response to: â€˜Lack of evidence for Zika virus transmission by Culex mosquitoesâ€™. Emerging Microbes and Infections, 2017, 6, 1-2.	6.5	4
47	Central and peripheral nervous system involvement caused by Zika and chikungunya coinfection. PLoS Neglected Tropical Diseases, 2017, 11, e0005583.	3.0	26
48	Î”Np73 overexpression promotes resistance to apoptosis but does not cooperate with PML/RARA in the induction of an APL-leukemic phenotype. Oncotarget, 2017, 8, 8475-8483.	1.8	3
49	HIV Protease Inhibitors Apoptotic Effect in SH-SY5Y Neuronal Cell Line. Cellular Physiology and Biochemistry, 2016, 39, 1463-1470.	1.6	16
50	Recombinant vesicular stomatitis virus-based dengue-2 vaccine candidate induces humoral response and protects mice against lethal infection. Human Vaccines and Immunotherapeutics, 2016, 12, 2327-2333.	3.3	10
51	IL-33 signaling is essential to attenuate viral-induced encephalitis development by downregulating iNOS expression in the central nervous system. Journal of Neuroinflammation, 2016, 13, 159.	7.2	22
52	Initial Description of the Presumed Congenital Zika Syndrome. American Journal of Public Health, 2016, 106, 598-600.	2.7	236
53	Expression and activity ofNOD1andNOD2/RIPK2signalling in mononuclear cells from patients with rheumatoid arthritis. Scandinavian Journal of Rheumatology, 2016, 45, 8-12.	1.1	21
54	Full Genome Sequence and sfRNA Interferon Antagonist Activity of Zika Virus from Recife, Brazil. PLoS Neglected Tropical Diseases, 2016, 10, e0005048.	3.0	193

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55	Low expression of CD39 on regulatory T cells as a biomarker for resistance to methotrexate therapy in rheumatoid arthritis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2509-2514.	7.1	125
56	The Quassinoid Isobrucein B Reduces Inflammatory Hyperalgesia and Cytokine Production by Post-transcriptional Modulation. Journal of Natural Products, 2015, 78, 241-249.	3.0	15
57	Peripheral NLCR4 inflammasome participates in the genesis of acute inflammatory pain. Pain, 2015, 156, 451-459.	4.2	24
58	Joint production of IL-22 participates in the initial phase of antigen-induced arthritis through IL-1Î² production. Arthritis Research and Therapy, 2015, 17, 235.	3.5	41
59	Galectin-9-CD44 Interaction Enhances Stability and Function of Adaptive Regulatory T Cells. Immunity, 2014, 41, 270-282.	14.3	249
60	MyD88-, but Not Nod1- and/or Nod2-Deficient Mice, Show Increased Susceptibility to Polymicrobial Sepsis due to Impaired Local Inflammatory Response. PLoS ONE, 2014, 9, e103734.	2.5	16
61	Recent advances in molecular medicine techniques for the diagnosis, prevention, and control of infectious diseases. European Journal of Clinical Microbiology and Infectious Diseases, 2013, 32, 723-728.	2.9	17
62	Influence of the CCR-5/MIP-1 Î± Axis in the Pathogenesis of Rocio Virus Encephalitis in a Mouse Model. American Journal of Tropical Medicine and Hygiene, 2013, 89, 1013-1018.	1.4	17
63	Enhancement of Dengue-2 E Protein Expression by the Expression of the Precursor Membrane Protein (Prm) of the Dengue-3 Virus. Journal of Vaccines & Vaccination, 2013, 04, .	0.3	2
64	Joint NOD2/RIPK2 Signaling Regulates IL-17 Axis and Contributes to the Development of Experimental Arthritis. Journal of Immunology, 2012, 188, 5116-5122.	0.8	43
65	A DNA vaccine candidate encoding the structural prM/E proteins elicits a strong immune response and protects mice against dengue-4 virus infection. Vaccine, 2011, 29, 831-838.	3.8	26
66	Poly(ethylene glycol) decorated poly(methylmethacrylate) nanoparticles for protein adsorption. Materials Science and Engineering C, 2011, 31, 562-566.	7.3	16
67	An Experimental Model of Meningoencephalomyelitis by Rocio Flavivirus in Balb/C Mice: Inflammatory Response, Cytokine Production, and Histopathology. American Journal of Tropical Medicine and Hygiene, 2011, 85, 363-373.	1.4	14
68	Genotypic Characteristics of HIV Type 1 Based on gp120 Hypervariable Region 3 of Isolates from Southern Brazil. AIDS Research and Human Retroviruses, 2011, 27, 903-909.	1.1	7
69	A BALB/c mouse model shows that liver involvement in dengue disease is immune-mediated. Experimental and Molecular Pathology, 2010, 89, 321-326.	2.1	39
70	Binding of Dengue Virus Particles and Dengue Proteins onto Solid Surfaces. ACS Applied Materials & Interfaces, 2010, 2, 2602-2610.	8.0	13
71	Evaluation of immunogenicity elicited from two DNA vaccine candidates that expresses the prM and E genes of the dengue-3 virus. Health, 2010, 02, 1298-1307.	0.3	0
72	Lectins and/or xyloglucans/alginate layers as supports for immobilization of dengue virus particles. Colloids and Surfaces B: Biointerfaces, 2008, 66, 45-52.	5.0	17

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73	A DNA vaccine candidate expressing dengue-3 virus prM and E proteins elicits neutralizing antibodies and protects mice against lethal challenge. Archives of Virology, 2008, 153, 2215-2223.	2.1	26