

Ernesto T A Marques

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9013112/publications.pdf>

Version: 2024-02-01

158
papers

6,769
citations

71102

41
h-index

76900

74
g-index

166
all docs

166
docs citations

166
times ranked

10046
citing authors

#	ARTICLE	IF	CITATIONS
1	Establishment and cryptic transmission of Zika virus in Brazil and the Americas. <i>Nature</i> , 2017, 546, 406-410.	27.8	515
2	Type III Interferons Produced by Human Placental Trophoblasts Confer Protection against Zika Virus Infection. <i>Cell Host and Microbe</i> , 2016, 19, 705-712.	11.0	464
3	Association between Zika virus infection and microcephaly in Brazil, January to May, 2016: preliminary report of a case-control study. <i>Lancet Infectious Diseases</i> , The, 2016, 16, 1356-1363.	9.1	402
4	Association between microcephaly, Zika virus infection, and other risk factors in Brazil: final report of a case-control study. <i>Lancet Infectious Diseases</i> , The, 2018, 18, 328-336.	9.1	267
5	Initial Description of the Presumed Congenital Zika Syndrome. <i>American Journal of Public Health</i> , 2016, 106, 598-600.	2.7	236
6	Impact of preexisting dengue immunity on Zika virus emergence in a dengue endemic region. <i>Science</i> , 2019, 363, 607-610.	12.6	202
7	Seroprevalence and risk factors for dengue infection in socio-economically distinct areas of Recife, Brazil. <i>Acta Tropica</i> , 2010, 113, 234-240.	2.0	158
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	Teratogenic effects of the Zika virus and the role of the placenta. <i>Lancet</i> , The, 2016, 387, 1587-1590.	13.7	142
10	Positive IgM for Zika virus in the cerebrospinal fluid of 30 neonates with microcephaly in Brazil. <i>Lancet</i> , The, 2016, 387, 1811-1812.	13.7	128
11	From Re-Emergence to Hyperendemicity: The Natural History of the Dengue Epidemic in Brazil. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e935.	3.0	125
12	Dengue virus (DENV)-specific antibodies enhance Brazilian Zika virus (ZIKV) infection. <i>Journal of Infectious Diseases</i> , 2017, 215, jiw638.	4.0	115
13	Severe Acute Respiratory Syndrome Coronavirus 2 Viremia Is Associated With Coronavirus Disease 2019 Severity and Predicts Clinical Outcomes. <i>Clinical Infectious Diseases</i> , 2022, 74, 1525-1533.	5.8	96
14	Alternative Complement Pathway Deregulation Is Correlated with Dengue Severity. <i>PLoS ONE</i> , 2009, 4, e6782.	2.5	95
15	Increased immune responses in rhesus macaques by DNA vaccination combined with electroporation. <i>Vaccine</i> , 2008, 26, 5223-5229.	3.8	88
16	Association between Magnitude of the Virus-Specific Plasmablast Response and Disease Severity in Dengue Patients. <i>Journal of Immunology</i> , 2013, 190, 80-87.	0.8	88
17	Rapid and specific detection of Asian- and African-lineage Zika viruses. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	86
18	HIV-1 p55Gag Encoded in the Lysosome-associated Membrane Protein-1 as a DNA Plasmid Vaccine Chimera Is Highly Expressed, Traffics to the Major Histocompatibility Class II Compartment, and Elicits Enhanced Immune Responses. <i>Journal of Biological Chemistry</i> , 2003, 278, 37926-37936.	3.4	79

#	ARTICLE	IF	CITATIONS
19	Conservation and Variability of Dengue Virus Proteins: Implications for Vaccine Design. <i>PLoS Neglected Tropical Diseases</i> , 2008, 2, e272.	3.0	79
20	Risk of microcephaly after Zika virus infection in Brazil, 2015 to 2016. <i>Bulletin of the World Health Organization</i> , 2017, 95, 191-198.	3.3	79
21	A systematic bioinformatics approach for selection of epitope-based vaccine targets. <i>Cellular Immunology</i> , 2006, 244, 141-147.	3.0	78
22	Gene Expression Profiling during Early Acute Febrile Stage of Dengue Infection Can Predict the Disease Outcome. <i>PLoS ONE</i> , 2009, 4, e7892.	2.5	77
23	Probiotic <i>Saccharomyces cerevisiae</i> strains as biotherapeutic tools: is there room for improvement?. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 6563-6570.	3.6	74
24	Synergistic Neutralizing Antibody Response to a Dengue Virus Type 2 DNA Vaccine by Incorporation of Lysosome-Associated Membrane Protein Sequences and Use of Plasmid Expressing GM-CSF. <i>Virology</i> , 2001, 290, 74-82.	2.4	72
25	Characterization of a Dengue Patient Cohort in Recife, Brazil. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 77, 1128-1134.	1.4	67
26	Sequential Seasonal H1N1 Influenza Virus Infections Protect Ferrets against Novel 2009 H1N1 Influenza Virus. <i>Journal of Virology</i> , 2013, 87, 1400-1410.	3.4	63
27	Guillain-Barré Syndrome, Acute Disseminated Encephalomyelitis and Encephalitis Associated with Zika Virus Infection in Brazil: Detection of Viral RNA and Isolation of Virus during Late Infection. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017, 97, 1405-1409.	1.4	58
28	Dendritic Cell-Lysosomal-Associated Membrane Protein (LAMP) and LAMP-1-HIV-1 Gag Chimeras Have Distinct Cellular Trafficking Pathways and Prime T and B Cell Responses to a Diverse Repertoire of Epitopes. <i>Journal of Immunology</i> , 2006, 177, 2265-2275.	0.8	56
29	Clinical evaluation of dengue and identification of risk factors for severe disease: protocol for a multicentre study in 8 countries. <i>BMC Infectious Diseases</i> , 2016, 16, 120.	2.9	56
30	Glucose Biosensor Using Glucose Oxidase Immobilized in Polyaniline. <i>Applied Biochemistry and Biotechnology</i> , 1992, 37, 267-273.	2.9	55
31	From Functional Genomics to Functional Immunomics: New Challenges, Old Problems, Big Rewards. <i>PLoS Computational Biology</i> , 2006, 2, e81.	3.2	54
32	SARS coronavirus nucleocapsid immunodominant T-cell epitope cluster is common to both exogenous recombinant and endogenous DNA-encoded immunogens. <i>Virology</i> , 2006, 347, 127-139.	2.4	53
33	Results of a Zika Virus (ZIKV) Immunoglobulin Specific Diagnostic Assay Are Highly Correlated With Detection of Neutralizing Anti-ZIKV Antibodies in Neonates With Congenital Disease. <i>Journal of Infectious Diseases</i> , 2016, 214, 1897-1904.	4.0	53
34	DNA vaccine encoding human immunodeficiency virus-1 Gag, targeted to the major histocompatibility complex II compartment by lysosomal-associated membrane protein, elicits enhanced long-term memory response. <i>Immunology</i> , 2004, 112, 126-135.	4.4	52
35	Dengue 2 PreM-E/LAMP chimera targeted to the MHC class II compartment elicits long-lasting neutralizing antibodies. <i>Vaccine</i> , 2003, 21, 2178-2189.	3.8	51
36	Zika virus displacement by a chikungunya outbreak in Recife, Brazil. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0006055.	3.0	50

#	ARTICLE	IF	CITATIONS
37	Development of an anti-dengue NS1 IgG ELISA to evaluate exposure to dengue virus. <i>Journal of Virological Methods</i> , 2018, 257, 48-57.	2.1	50
38	Severe Dengue Prognosis Using Human Genome Data and Machine Learning. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 2861-2868.	4.2	50
39	A thiophene-modified screen printed electrode for detection of dengue virus NS1 protein. <i>Talanta</i> , 2014, 128, 505-510.	5.5	49
40	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. <i>Frontiers in Immunology</i> , 2019, 10, 1928.	4.8	49
41	MBL2 Gene polymorphisms protect against development of thrombocytopenia associated with severe dengue phenotype. <i>Human Immunology</i> , 2008, 69, 122-128.	2.4	48
42	Interplay between Keratinocytes and Myeloid Cells Drives Dengue Virus Spread in Human Skin. <i>Journal of Investigative Dermatology</i> , 2018, 138, 618-626.	0.7	44
43	Force of infection of dengue serotypes in a population-based study in the northeast of Brazil. <i>Epidemiology and Infection</i> , 2013, 141, 1080-1088.	2.1	43
44	Conservation and Diversity of Influenza A H1N1 HLA-Restricted T Cell Epitope Candidates for Epitope-Based Vaccines. <i>PLoS ONE</i> , 2010, 5, e8754.	2.5	42
45	Reliable Classifier to Differentiate Primary and Secondary Acute Dengue Infection Based on IgG ELISA. <i>PLoS ONE</i> , 2009, 4, e4945.	2.5	42
46	Mapping Putative B-Cell Zika Virus NS1 Epitopes Provides Molecular Basis for Anti-NS1 Antibody Discrimination between Zika and Dengue Viruses. <i>ACS Omega</i> , 2017, 2, 3913-3920.	3.5	41
47	Description of a Prospective 17DD Yellow Fever Vaccine Cohort in Recife, Brazil. <i>American Journal of Tropical Medicine and Hygiene</i> , 2011, 85, 739-747.	1.4	39
48	Identification of Conserved and HLA Promiscuous DENV3 T-Cell Epitopes. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2497.	3.0	39
49	T-Cell Memory Responses Elicited by Yellow Fever Vaccine are Targeted to Overlapping Epitopes Containing Multiple HLA-I and -II Binding Motifs. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e1938.	3.0	38
50	Development of antibody biomarkers of long term and recent dengue virus infections. <i>Journal of Virological Methods</i> , 2018, 257, 62-68.	2.1	38
51	Perinatal analyses of Zika- and dengue virus-specific neutralizing antibodies: A microcephaly case-control study in an area of high dengue endemicity in Brazil. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007246.	3.0	37
52	Placental Transfer of Dengue Virus (DENV)â€“Specific Antibodies and Kinetics of DENV Infectionâ€“Enhancing Activity in Brazilian Infants. <i>Journal of Infectious Diseases</i> , 2016, 214, 265-272.	4.0	36
53	Classification of Dengue Fever Patients Based on Gene Expression Data Using Support Vector Machines. <i>PLoS ONE</i> , 2010, 5, e11267.	2.5	36
54	Characterization of a dengue patient cohort in Recife, Brazil. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 77, 1128-34.	1.4	36

#	ARTICLE	IF	CITATIONS
55	Selective Induction of CTL Helper Rather Than Killer Activity by Natural Epitope Variants Promotes Dendritic Cell-Mediated HIV-1 Dissemination. <i>Journal of Immunology</i> , 2013, 191, 2570-2580.	0.8	34
56	Zika puzzle in Brazil: peculiar conditions of viral introduction and dissemination - A Review. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2017, 112, 319-327.	1.6	34
57	West Nile pre-membrane-envelope genetic vaccine encoded as a chimera containing the transmembrane and cytoplasmic domains of a lysosome-associated membrane protein: increased cellular concentration of the transgene product, targeting to the MHC II compartment, and enhanced neutralizing antibody response. <i>Virology</i> , 2005, 332, 66-77.	2.4	33
58	Emerging Concepts in Dengue Pathogenesis: Interplay between Plasmablasts, Platelets, and Complement in Triggering Vasculopathy. <i>Critical Reviews in Immunology</i> , 2014, 34, 227-240.	0.5	33
59	Mosquito-borne and sexual transmission of Zika virus: Recent developments and future directions. <i>Virus Research</i> , 2018, 254, 1-9.	2.2	33
60	Dengue Virus Targets Nrf2 for NS2B3-Mediated Degradation Leading to Enhanced Oxidative Stress and Viral Replication. <i>Journal of Virology</i> , 2020, 94, .	3.4	32
61	Human Leukocyte Antigen (HLA) Class I Restricted Epitope Discovery in Yellow Fever and Dengue Viruses: Importance of HLA Binding Strength. <i>PLoS ONE</i> , 2011, 6, e26494.	2.5	30
62	Zika virus infection in pregnancy: Establishing a case definition for clinical research on pregnant women with rash in an active transmission setting. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007763.	3.0	30
63	Inverted terminal repeat sequences of adeno-associated virus enhance the antibody and CD8+ responses to a HIV-1 p55Gag/LAMP DNA vaccine chimera. <i>Virology</i> , 2004, 323, 220-232.	2.4	29
64	Dengue Research Funded by the European Commission-Scientific Strategies of Three European Dengue Research Consortia. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2320.	3.0	29
65	A DNA Vaccine against Yellow Fever Virus: Development and Evaluation. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003693.	3.0	29
66	External Quality Assessment for Zika Virus Molecular Diagnostic Testing, Brazil. <i>Emerging Infectious Diseases</i> , 2018, 24, 888-892.	4.3	29
67	DNA Encoding an HIV-1 Gag/Human Lysosome-Associated Membrane Protein-1 Chimera Elicits a Broad Cellular and Humoral Immune Response in Rhesus Macaques. <i>PLoS ONE</i> , 2006, 1, e135.	2.5	29
68	¹ H Nuclear Magnetic Resonance Metabolomics of Plasma Unveils Liver Dysfunction in Dengue Patients. <i>Journal of Virology</i> , 2016, 90, 7429-7443.	3.4	28
69	Previous dengue or Zika virus exposure can drive to infection enhancement or neutralisation of other flaviviruses. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2019, 114, e190098.	1.6	27
70	Central and peripheral nervous system involvement caused by Zika and chikungunya coinfection. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005583.	3.0	26
71	Risk of Dengue for Tourists and Teams during the World Cup 2014 in Brazil. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3063.	3.0	25
72	Immune transcript variations among <i>Aedes aegypti</i> populations with distinct susceptibility to dengue virus serotype 2. <i>Acta Tropica</i> , 2012, 124, 113-119.	2.0	24

#	ARTICLE	IF	CITATIONS
73	Molecular characterization of a fucosyltransferase encoded by <i>Schistosoma mansoni</i> . This work is dedicated to the memory of the scientific spirit of our mentor and dear friend, Dr Mette Strand, who passed away October 10, 1997. Note: The nucleotide sequence reported in this paper has been submitted to the GeneBank, with the accession number AF016899.2. <i>Molecular and Biochemical Parasitology</i> , 1998, 93, 237-250.	1.1	23
74	Comprehensive analysis of T cell epitope discovery strategies using 17DD yellow fever virus structural proteins and BALB/c (H2d) mice model. <i>Virology</i> , 2008, 378, 105-117.	2.4	23
75	Identification of Continuous Human B-Cell Epitopes in the Envelope Glycoprotein of Dengue Virus Type 3 (DENV-3). <i>PLoS ONE</i> , 2009, 4, e7425.	2.5	23
76	Immune responses to T-cell epitopes of SARS CoV-N protein are enhanced by N immunization with a chimera of lysosome-associated membrane protein. <i>Gene Therapy</i> , 2009, 16, 1353-1362.	4.5	23
77	Novel insights in genetic transformation of the probiotic yeast <i>Saccharomyces boulardii</i> . <i>Bioengineered</i> , 2014, 5, 21-29.	3.2	23
78	Complement factor H gene (CFH) polymorphisms C-257T, G257A and haplotypes are associated with protection against severe dengue phenotype, possible related with high CFH expression. <i>Human Immunology</i> , 2013, 74, 1225-1230.	2.4	21
79	Reciprocal immune enhancement of dengue and Zika virus infection in human skin. <i>JCI Insight</i> , 2020, 5, .	5.0	21
80	HLA-B*44 Is Associated with Dengue Severity Caused by DENV-3 in a Brazilian Population. <i>Journal of Tropical Medicine</i> , 2013, 2013, 1-11.	1.7	20
81	Primary dengue haemorrhagic fever in patients from northeast of Brazil is associated with high levels of interferon- β during acute phase. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2016, 111, 378-384.	1.6	20
82	A Glimmer of Hope: Recent Updates and Future Challenges in Zika Vaccine Development. <i>Viruses</i> , 2020, 12, 1371.	3.3	20
83	Comparison of DNA vaccines producing HIV-1 Gag and LAMP/Gag chimera in rhesus macaques reveals antigen-specific T-cell responses with distinct phenotypes. <i>Vaccine</i> , 2009, 27, 4840-4849.	3.8	19
84	C1q binding to dengue virus decreases levels of infection and inflammatory molecules transcription in THP-1 cells. <i>Virus Research</i> , 2014, 179, 231-234.	2.2	19
85	Serum cytokine/chemokine profiles in patients with dengue fever (DF) and dengue hemorrhagic fever (FHD) by using protein array. <i>Journal of Clinical Virology</i> , 2017, 89, 39-45.	3.1	19
86	Zika-related adverse outcomes in a cohort of pregnant women with rash in Pernambuco, Brazil. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009216.	3.0	19
87	Single-tube nested PCR using immobilized internal primers for the identification of dengue virus serotypes. <i>Journal of Virological Methods</i> , 2007, 145, 76-79.	2.1	18
88	Dendritic Cell Mediated Delivery of Plasmid DNA Encoding LAMP/HIV-1 Gag Fusion Immunogen Enhances T Cell Epitope Responses in HLA DR4 Transgenic Mice. <i>PLoS ONE</i> , 2010, 5, e8574.	2.5	18
89	International prospective observational cohort study of Zika in infants and pregnancy (ZIP study): study protocol. <i>BMC Pregnancy and Childbirth</i> , 2019, 19, 282.	2.4	18
90	Overcoming health inequity: potential benefits of a patient-centered open-source public health infostructure. <i>Cadernos De Saude Publica</i> , 2008, 24, 547-557.	1.0	16

#	ARTICLE	IF	CITATIONS
91	Development of a Robust Cytopathic Effect-Based High-Throughput Screening Assay To Identify Novel Inhibitors of Dengue Virus. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 3399-3401.	3.2	16
92	The Availability and Consistency of Dengue Surveillance Data Provided Online by the World Health Organization. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003511.	3.0	16
93	Familiar barriers still unresolved—a perspective on the Zika virus outbreak research response. <i>Lancet Infectious Diseases</i> , The, 2019, 19, e59-e62.	9.1	16
94	Mucosal and systemic anti-GAG immunity induced by neonatal immunization with HIV LAMP/gag DNA vaccine in mice. <i>Immunobiology</i> , 2011, 216, 505-512.	1.9	15
95	Human dendritic cell lysosome-associated membrane protein expressed in lung type II pneumocytes. <i>Archives of Biochemistry and Biophysics</i> , 2004, 425, 147-157.	3.0	14
96	West Nile Virus T-Cell Ligand Sequences Shared with Other Flaviviruses: a Multitude of Variant Sequences as Potential Altered Peptide Ligands. <i>Journal of Virology</i> , 2012, 86, 7616-7624.	3.4	14
97	Bradykinin enhances Sindbis virus infection in human brain microvascular endothelial cells. <i>Virology</i> , 2012, 422, 81-91.	2.4	14
98	De novo design of immunoreactive conformation-specific HIV-1 epitopes based on Top7 scaffold. <i>RSC Advances</i> , 2013, 3, 11790.	3.6	14
99	Vaccine research, development, and innovation in Brazil: A translational science perspective. <i>Vaccine</i> , 2013, 31, B54-B60.	3.8	14
100	Potential biomarkers for the clinical prognosis of severe dengue. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2013, 108, 755-762.	1.6	14
101	Molecular classification of outcomes from dengue virus -3 infections. <i>Journal of Clinical Virology</i> , 2015, 64, 97-106.	3.1	14
102	Dengue virus specific dual HLA binding T cell epitopes induce CD8 ⁺ T cell responses in seropositive individuals. <i>Human Vaccines and Immunotherapeutics</i> , 2014, 10, 3531-3543.	3.3	13
103	R430: A potent inhibitor of DNA and RNA viruses. <i>Scientific Reports</i> , 2018, 8, 16662.	3.3	13
104	Immunization of neonatal mice with LAMP/p55 HIV gag DNA elicits robust immune responses that last to adulthood. <i>Virology</i> , 2010, 406, 37-47.	2.4	12
105	Construction and characterisation of a complete reverse genetics system of dengue virus type 3. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2013, 108, 983-991.	1.6	12
106	Dengue virus-infected human dendritic cells reveal hierarchies of naturally expressed novel NS3 CD8 T cell epitopes. <i>Clinical and Experimental Immunology</i> , 2014, 177, 696-702.	2.6	12
107	NS1 glycoprotein detection in serum and urine as an electrochemical screening immunosensor for dengue and Zika virus. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4873-4885.	3.7	12
108	Contribution of Coronavirus-Specific Immunoglobulin G Responses to Complement Overactivation in Patients with Severe Coronavirus Disease 2019. <i>Journal of Infectious Diseases</i> , 2022, 226, 766-777.	4.0	12

#	ARTICLE	IF	CITATIONS
109	Ascorbic acid biosensor using ascorbate oxidase immobilized on alkylamine glass beads. <i>Applied Biochemistry and Biotechnology</i> , 1992, 32, 73-78.	2.9	11
110	Study protocol for the multicentre cohorts of Zika virus infection in pregnant women, infants, and acute clinical cases in Latin America and the Caribbean: the ZIKAlliance consortium. <i>BMC Infectious Diseases</i> , 2019, 19, 1081.	2.9	11
111	Membrane and envelope virus proteins co-expressed as lysosome associated membrane protein (LAMP) fused antigens: a potential tool to develop DNA vaccines against flaviviruses. <i>Anais Da Academia Brasileira De Ciencias</i> , 2009, 81, 663-669.	0.8	10
112	Draft Genome Sequence of the Probiotic Yeast <i>Saccharomyces cerevisiae</i> var. <i>boulardii</i> Strain ATCC MYA-796. <i>Genome Announcements</i> , 2014, 2, .	0.8	10
113	A two-plasmid strategy for engineering a dengue virus type 3 infectious clone from primary Brazilian isolate. <i>Anais Da Academia Brasileira De Ciencias</i> , 2014, 86, 1749-1759.	0.8	10
114	Selection of a potential diagnostic biomarker for HIV infection from a random library of non-biological synthetic peptoid oligomers. <i>Journal of Immunological Methods</i> , 2016, 435, 85-89.	1.4	10
115	Follow-Up Household Serosurvey in Northeast Brazil for Zika Virus: Sexual Contacts of Index Patients Have the Highest Risk for Seropositivity. <i>Journal of Infectious Diseases</i> , 2021, 223, 673-685.	4.0	10
116	Zika virus infection in pregnancy: a protocol for the joint analysis of the prospective cohort studies of the ZIKAlliance, ZikaPLAN and ZIKAction consortia. <i>BMJ Open</i> , 2020, 10, e035307.	1.9	10
117	Maternal LAMP/p55gagHIV-1 DNA Immunization Induces In Utero Priming and a Long-Lasting Immune Response in Vaccinated Neonates. <i>PLoS ONE</i> , 2012, 7, e31608.	2.5	10
118	Regulation of HIV-Gag Expression and Targeting to the Endolysosomal/Secretory Pathway by the Luminal Domain of Lysosomal-Associated Membrane Protein (LAMP-1) Enhance Gag-Specific Immune Response. <i>PLoS ONE</i> , 2014, 9, e99887.	2.5	9
119	Coronavirus Disease 2019: Understanding Immunopathogenesis Is the “Holy Grail” to Explain Why Children Have Less Severe Acute Disease. <i>Pediatric Critical Care Medicine</i> , 2020, 21, 1022-1023.	0.5	9
120	A Label and Probe-Free Zika Virus Immunosensor Prussian Blue@carbon Nanotube-Based for Amperometric Detection of the NS2B Protein. <i>Biosensors</i> , 2021, 11, 157.	4.7	9
121	Extraction of Dengue 2 Plasmid DNA Vaccine (pD2) from Cell Lysates by Aqueous Two-Phase Systems. <i>Biotechnology</i> , 2007, 6, 520-526.	0.1	9
122	Ascorbic acid determination in biological fluids using ascorbate oxidase immobilized on alkylamine glass beads in a flow injection potentiometric system. <i>Applied Biochemistry and Biotechnology</i> , 1994, 44, 81-89.	2.9	8
123	Lipid droplet levels vary heterogeneously in response to simulated gastrointestinal stresses in different probiotic <i>Saccharomyces cerevisiae</i> strains. <i>Journal of Functional Foods</i> , 2016, 21, 193-200.	3.4	8
124	Risk of Sexually Transmitted Zika Virus in a Cohort of Economically Disadvantaged Urban Residents. <i>Journal of Infectious Diseases</i> , 2021, 224, 860-864.	4.0	8
125	A low cost oxygen meter. <i>Biochemical Education</i> , 1991, 19, 77-78.	0.1	7
126	Early molecular markers predictive of dengue hemorrhagic fever. <i>Anais Da Academia Brasileira De Ciencias</i> , 2009, 81, 671-677.	0.8	7

#	ARTICLE	IF	CITATIONS
127	Construction of yellow fever virus subgenomic replicons by yeast-based homologous recombination cloning technique. <i>Anais Da Academia Brasileira De Ciencias</i> , 2013, 85, 159-168.	0.8	7
128	Assessing protein conformational sampling and structural stability via de novo design and molecular dynamics simulations. <i>Biopolymers</i> , 2015, 103, 351-361.	2.4	7
129	Enhancement of Zika Infection by Dengue-Specific Antibodies Does Not Alter the Production of Interleukin 6 in FcI ³ RII-Expressing K562 Cells. <i>Journal of Infectious Diseases</i> , 2017, 216, 614-615.	4.0	7
130	Incidence and risk factors for Dengue virus (DENV) infection in the first 2 years of life in a Brazilian prospective birth cohort. <i>Epidemiology and Infection</i> , 2017, 145, 2971-2979.	2.1	7
131	Detection of IgG3 antibodies specific to the human immunodeficiency virus type 1 (HIV-1) p24 protein as marker for recently acquired infection. <i>Epidemiology and Infection</i> , 2018, 146, 1293-1300.	2.1	7
132	High Incidence of Zika or Chikungunya Infection among Pregnant Women Hospitalized Due to Obstetrical Complications in Northeastern Brazil—Implications for Laboratory Screening in Arbovirus Endemic Area. <i>Viruses</i> , 2021, 13, 744.	3.3	7
133	Diagnostic performance of anti-Zika virus IgM, IgAM and IgG ELISAs during co-circulation of Zika, dengue, and chikungunya viruses in Brazil and Venezuela. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009336.	3.0	7
134	Prospective birth cohort in a hyperendemic dengue area in Northeast Brazil: methods and preliminary results. <i>Cadernos De Saude Publica</i> , 2016, 32, .	1.0	6
135	COVID-19 and Future Disease X in Circular Economy Transition: Redesigning Pandemic Preparedness to Prevent a Global Disaster. <i>Circular Economy and Sustainability</i> , 2021, 1, 1463-1478.	5.5	6
136	Vaccine development during global epidemics: the Zika experience. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 998-999.	9.1	6
137	In Silico Identification of New Genetic Variations as Potential Risk Factors for Alzheimer's Disease in a Microarray-oriented Simulation. <i>Journal of Molecular Neuroscience</i> , 2009, 39, 242-247.	2.3	5
138	High frequency of pre-existing neutralizing antibody responses in patients with dengue during an outbreak in Central Brazil. <i>BMC Infectious Diseases</i> , 2016, 16, 546.	2.9	5
139	Contact System Activation in Plasma from Dengue Patients Might Harness Endothelial Virus Replication through the Signaling of Bradykinin Receptors. <i>Pharmaceutics</i> , 2021, 14, 56.	3.8	5
140	The Microcephaly Epidemic Research Group Paediatric Cohort (MERG-PC): A Cohort Profile. <i>Viruses</i> , 2021, 13, 602.	3.3	5
141	The influence of biotinylation on the ability of a computer designed protein to detect B-cells producing anti-HIV-1 2F5 antibodies. <i>Journal of Molecular Graphics and Modelling</i> , 2019, 93, 107442.	2.4	4
142	Zika vaccines: can we solve one problem without creating another one?. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 1198-1200.	9.1	4
143	Neighbourhood-level income and Zika virus infection during pregnancy in Recife, Pernambuco, Brazil: an ecological perspective, 2015–2017. <i>BMJ Global Health</i> , 2021, 6, e006811.	4.7	4
144	Co-circulation of Chikungunya Virus during the 2015–2017 Zika Virus Outbreak in Pernambuco, Brazil: An Analysis of the Microcephaly Epidemic Research Group Pregnancy Cohort. <i>American Journal of Tropical Medicine and Hygiene</i> , 2022, 106, 1711-1720.	1.4	4

#	ARTICLE	IF	CITATIONS
145	Development of potent class II transactivator gene delivery systems capable of inducing de novo MHC II expression in human cells, in vitro and ex vivo. <i>Gene Therapy</i> , 2017, 24, 342-352.	4.5	3
146	Tradition and innovation in development of a Zika vaccine. <i>Lancet</i> , The, 2018, 391, 516-517.	13.7	3
147	Evaluation of the recombinant antigens Wb14 and WbT for the capture antibody diagnosis of lymphatic filariasis. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2018, 113, e170435.	1.6	3
148	Complex Scenario of Homotypic and Heterotypic Zika Virus Immune Enhancement. <i>MBio</i> , 2019, 10, .	4.1	3
149	Two-year Decay of Zika Virus Neutralizing Antibodies in People Living in an Endemic Region in Brazil. <i>American Journal of Tropical Medicine and Hygiene</i> , 2022, 107, 186-189.	1.4	3
150	Dendritic cells primed with a chimeric plasmid containing HIVâ€œgag</i> associated with lysosomalâ€œassociated proteinâ€œ1 (LAMP/ <i>gag</i>) is a potential therapeutic vaccine against HIV. <i>FASEB Journal</i> , 2016, 30, 2970-2984.	0.5	2
151	Identification of a Zika NS2B epitope as a biomarker for severe clinical phenotypes. <i>RSC Medicinal Chemistry</i> , 2021, 12, 1525-1539.	3.9	2
152	Influence of Scaffold Stability and Electrostatics on Top7-Based Engineered Helical HIV-1 Epitopes. <i>Lecture Notes in Computer Science</i> , 2013, , 94-103.	1.3	2
153	High levels of exposure of Zika and Dengue infections detected using plaque reduction neutralization assay in Brazil. <i>International Journal of Infectious Diseases</i> , 2016, 53, 15.	3.3	1
154	Influence of directional positive Darwinian selection-driven evolution on arboviruses Dengue and Zika virulence and pathogenesis. <i>Molecular Phylogenetics and Evolution</i> , 2019, 140, 106607.	2.7	1
155	Are Zika virus cross-reactive antibodies against aquaporin-4 associated to Neuromyelitis Optica Spectrum Disorder?. <i>Journal of Neuroimmunology</i> , 2021, 360, 577697.	2.3	1
156	Arbovirus epidemiology in pregnant women in Pernambuco state, Brazil. <i>International Journal of Infectious Diseases</i> , 2016, 53, 14.	3.3	0
157	De Novo Design and Biophysical Characterization of an Affinity-Enhanced Protein Displaying the Structure of the Broadly Neutralizing HIV-1 2F5 Antibody Epitope. <i>Biophysical Journal</i> , 2016, 110, 346a.	0.5	0
158	Computational Intelligence applied to Human Genome Data for the Dengue Severity Prognosis. , 0, , .		0