Flavia Barreto dos Santos

List of Publications by Year
in descending order

93 papers	3,334 citations	257450 24 h-index	161849 54 g-index
97 all docs	97 docs citations	97 times ranked	5096 citing authors

#	Article	IF	Citations
1	Detection and sequencing of Zika virus from amniotic fluid of fetuses with microcephaly in Brazil: a case study. Lancet Infectious Diseases, The, 2016, 16, 653-660.	9.1	981
2	Six RNA Viruses and Forty-One Hosts: Viral Small RNAs and Modulation of Small RNA Repertoires in Vertebrate and Invertebrate Systems. PLoS Pathogens, 2010, 6, e1000764.	4.7	234
3	Potential risk of re-emergence of urban transmission of Yellow Fever virus in Brazil facilitated by competent Aedes populations. Scientific Reports, 2017, 7, 4848.	3.3	170
4	Comparison of Three Commercially Available Dengue NS1 Antigen Capture Assays for Acute Diagnosis of Dengue in Brazil. PLoS Neglected Tropical Diseases, 2010, 4, e738.	3.0	116
5	Evaluation of an IgG enzyme-linked immunosorbent assay for dengue diagnosis. Journal of Clinical Virology, 1999, 14, 183-189.	3.1	112
6	Dengue Virus Type 3, Brazil, 2002. Emerging Infectious Diseases, 2005, 11, 1376-1381.	4.3	98
7	Zika virus infection: epidemiology, clinical manifestations and diagnosis. Current Opinion in Infectious Diseases, 2016, 29, 459-466.	3.1	80
8	Dengue in Latin America: Systematic Review of Molecular Epidemiological Trends. PLoS Neglected Tropical Diseases, 2017, 11, e0005224.	3.0	79
9	Adenoviruses associated with acute gastroenteritis in hospitalized and community children up to 5â€...years old in Rio de Janeiro and Salvador, Brazil. Journal of Medical Microbiology, 2007, 56, 313-319.	1.8	69
10	30 years of fatal dengue cases in Brazil: a review. BMC Public Health, 2019, 19, 329.	2.9	67
11	Dengue in the State of Rio de Janeiro, Brazil, 1986-1998. Memorias Do Instituto Oswaldo Cruz, 1999, 94, 297-304.	1.6	45
12	Zika Induces Human Placental Damage and Inflammation. Frontiers in Immunology, 2020, 11, 2146.	4.8	44
13	Clinical and Laboratory Profile of Zika and Dengue Infected Patients: Lessons Learned From the Co-circulation of Dengue, Zika and Chikungunya in Brazil. PLOS Currents, 2018, 10, .	1.4	43
14	Dermal-Type Macrophages Expressing CD209/DC-SIGN Show Inherent Resistance to Dengue Virus Growth. PLoS Neglected Tropical Diseases, 2008, 2, e311.	3.0	42
15	Two Lineages of Dengue Virus Type 2, Brazil. Emerging Infectious Diseases, 2010, 16, 576-578.	4.3	41
16	A retrospective survey of dengue virus infection in fatal cases from an epidemic in Brazil. Journal of Virological Methods, 2009, 155, 34-38.	2.1	38
17	Genetic characterization of dengue virus type 3 isolates in the State of Rio de Janeiro, 2001. Brazilian Journal of Medical and Biological Research, 2002, 35, 869-872.	1.5	37
18	A simple heat dissociation method increases significantly the ELISA detection sensitivity of the nonstructural-1 glycoprotein in patients infected with DENV type-4. Journal of Virological Methods, 2014, 204, 105-108.	2.1	37

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19	First Report of the East-Central South African Genotype of Chikungunya Virus in Rio de Janeiro, Brazil. PLOS Currents, 2017, 9, .	1.4	36
20	Dengue epidemic in the State of Rio Grande do Norte, Brazil, in 1997. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1999, 93, 247-249.	1.8	35
21	Twenty Years of DENV-2 Activity in Brazil: Molecular Characterization and Phylogeny of Strains Isolated from 1990 to 2010. PLoS Neglected Tropical Diseases, 2013, 7, e2095.	3.0	35
22	Dengue severity associated with age and a new lineage of dengue virusâ€type 2 during an outbreak in Rio De Janeiro, Brazil. Journal of Medical Virology, 2016, 88, 1130-1136.	5.0	34
23	Neutralizing antibodies for SARS-CoV-2 in stray animals from Rio de Janeiro, Brazil. PLoS ONE, 2021, 16, e0248578.	2.5	30
24	Placental Histopathology and Clinical Presentation of Severe Congenital Zika Syndrome in a Human Immunodeficiency Virus-Exposed Uninfected Infant. Frontiers in Immunology, 2017, 8, 1704.	4.8	28
25	Evolutionary history and spatiotemporal dynamics of DENV-1 genotype V in the Americas. Infection, Genetics and Evolution, 2016, 45, 454-460.	2.3	27
26	A New Approach to Dengue Fatal Cases Diagnosis: NS1 Antigen Capture in Tissues. PLoS Neglected Tropical Diseases, 2011, 5, e1147.	3.0	26
27	First report of multiple lineages of dengue viruses type 1 in Rio de Janeiro, Brazil. Virology Journal, 2011, 8, 387.	3.4	24
28	NS1 Antigenemia and Viraemia Load: Potential Markers of Progression to Dengue Fatal Outcome?. Viruses, 2018, 10, 326.	3.3	24
29	Diagnosis of Dengue by Using Reverse Transcriptase-Polymerase Chain Reaction. Memorias Do Instituto Oswaldo Cruz, 1997, 92, 595-600.	1.6	23
30	Complete genetic characterization of a Brazilian dengue virus type 3 strain isolated from a fatal outcome. Memorias Do Instituto Oswaldo Cruz, 2006, 101, 307-313.	1.6	23
31	Polyclonal antibodies against properly folded Dengue virus NS1 protein expressed in E. coli enable sensitive and early dengue diagnosis. Journal of Virological Methods, 2011, 175, 109-116.	2.1	23
32	Dengue virus tetra-epitope peptide expressed in lettuce chloroplasts for potential use in dengue diagnosis. Applied Microbiology and Biotechnology, 2013, 97, 5721-5729.	3.6	23
33	A Stillborn Multiple Organsâ€™ Investigation from a Maternal DENV-4 Infection: Histopathological and Inflammatory Mediators Characterization. Viruses, 2019, 11, 319.	3.3	23
34	Following in the Footsteps of the Chikungunya Virus in Brazil: The First Autochthonous Cases in AmapÃ¡ in 2014 and Its Emergence in Rio de Janeiro during 2016. Viruses, 2018, 10, 623.	3.3	21
35	Zika virus found in brain tissue of a multiple sclerosis patient undergoing an acute disseminated encephalomyelitis-like episode. Multiple Sclerosis Journal, 2019, 25, 427-430.	3.0	21
36	Comparison of Two Generations of the Panbio Dengue NS1 Capture Enzyme-Linked Immunosorbent Assay. Vaccine Journal, 2011, 18, 1031-1033.	3.1	20

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37	Genetic variation in the 3â€™ untranslated region of dengue virus serotype 3 strains isolated from mosquitoes and humans in Brazil. Virology Journal, 2013, 10, 3.	3.4	19
38	Dengue virus type 4 in NiterÃ³i, Rio de Janeiro: the role of molecular techniques in laboratory diagnosis and entomological surveillance. Memorias Do Instituto Oswaldo Cruz, 2012, 107, 940-945.	1.6	18
39	Accuracy of clinical criteria and an immunochromatographic strip test for dengue diagnosis in a DENV-4 epidemic. BMC Infectious Diseases, 2015, 16, 37.	2.9	18
40	Dengue serotype circulation in natural populations of Aedes aegypti. Acta Tropica, 2017, 176, 140-143.	2.0	18
41	Zika virus transmission by Brazilian Aedes aegypti and Aedes albopictus is virus dose and temperature-dependent. PLoS Neglected Tropical Diseases, 2020, 14, e0008527.	3.0	18
42	BALB/c mice infected with DENV-2 strain 66985 by the intravenous route display injury in the central nervous system. Scientific Reports, 2018, 8, 9754.	3.3	17
43	ANALYSIS OF RECOMBINANT DENGUE VIRUS POLYPEPTIDES FOR DENGUE DIAGNOSIS AND EVALUATION OF THE HUMORAL IMMUNE RESPONSE. American Journal of Tropical Medicine and Hygiene, 2004, 71, 144-152.	1.4	17
44	Dengue virus type 3 in Brazil: a phylogenetic perspective. Memorias Do Instituto Oswaldo Cruz, 2009, 104, 526-529.	1.6	15
45	Virological surveillance for early warning of dengue epidemics in the State of Rio de Janeiro, Brazil. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2013, 107, 141-146.	1.8	15
46	Detection of dengue NS1 and NS3 proteins in placenta and umbilical cord in fetal and maternal death. Journal of Medical Virology, 2016, 88, 1448-1452.	5.0	15
47	Dengue type 4 in Rio de Janeiro, Brazil: case characterization following its introduction in an endemic region. BMC Infectious Diseases, 2017, 17, 410.	2.9	15
48	30 years of dengue fatal cases in Brazil: a laboratorial-based investigation of 1047 cases. BMC Infectious Diseases, 2018, 18, 346.	2.9	15
49	Analysis of a Routinely Used Commercial Anti-Chikungunya IgM ELISA Reveals Cross-Reactivities with Dengue in Brazil: A New Challenge for Differential Diagnosis?. Diagnostics, 2021, 11, 819.	2.6	15
50	Complete nucleotide sequence analysis of a Brazilian dengue virus type 2 strain. Memorias Do Instituto Oswaldo Cruz, 2002, 97, 991-995.	1.6	14
51	Zika Virus Surveillance at the Humanâ€“Animal Interface in West-Central Brazil, 2017â€“2018. Viruses, 2019, 11, 1164.	3.3	14
52	Impact of the emergence and re-emergence of different dengue viruses' serotypes in Rio de Janeiro, Brazil, 2010 to 2012. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2015, 109, 268-274.	1.8	13
53	DENV-1 Genotype V in Brazil: Spatiotemporal dispersion pattern reveals continuous co-circulation of distinct lineages until 2016. Scientific Reports, 2018, 8, 17160.	3.3	13
54	Simultaneous circulation of arboviruses and other congenital infections in pregnant women in Rio de Janeiro, Brazil. Acta Tropica, 2019, 192, 49-54.	2.0	13

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55	Rapid Subtyping of Dengue Virus Serotypes 1 and 4 by Restriction Site-Specific PCR. Journal of Clinical Microbiology, 2000, 38, 1286-1289.	3.9	13
56	Molecular typing of dengue virus type 2 in Brazil. Revista Do Instituto De Medicina Tropical De Sao Paulo, 2003, 45, 17-21.	1.1	12
57	Transmission of Major Arboviruses in Brazil: The Role of Aedes aegypti and Aedes albopictus Vectors. , 0, , .		11
58	The inability of a dengue NS1 ELISA to detect Zika infections. Scientific Reports, 2019, 9, 18596.	3.3	11
59	Clinical, Virological, and Immunological Profiles of DENV, ZIKV, and/or CHIKV-Infected Brazilian Patients. Intervirology, 2020, 63, 33-45.	2.8	11
60	AvaliaÃ§Ã£o dos testes rÃ¡pidos para diagnÃ³stico da dengue no Brasil. , 2021, 9, 82-90.		10
61	Dengue Virus Serotype 2 Established in Northern Mozambique (2015â€“2016). American Journal of Tropical Medicine and Hygiene, 2017, 97, 1418-1422.	1.4	10
62	Immunoglobulin M Enzyme-Linked Immunosorbent Assay Using Recombinant Polypeptides for Diagnosis of Dengue. Vaccine Journal, 2005, 12, 882-884.	3.1	8
63	Insights of the genetic diversity of DENV-1 detected in Brazil in 25years: Analysis of the envelope domain III allows lineages characterization. Infection, Genetics and Evolution, 2015, 34, 126-136.	2.3	8
64	Increased sensitivity of NS1 ELISA by heat dissociation in acute dengue 4 cases. BMC Infectious Diseases, 2017, 17, 204.	2.9	8
65	Renal Injury in DENV-4 Fatal Cases: Viremia, Immune Response and Cytokine Profile. Pathogens, 2019, 8, 223.	2.8	8
66	Chikungunya virus Detection in Aedes aegypti and Culex quinquefasciatus during an Outbreak in the Amazon Region. Viruses, 2020, 12, 853.	3.3	8
67	Fatal Dengue Cases Reveal Brain Injury and Viral Replication in Brain-Resident Cells Associated with the Local Production of Pro-Inflammatory Mediators. Viruses, 2020, 12, 603.	3.3	8
68	Viral and Prion Infections Associated with Central Nervous System Syndromes in Brazil. Viruses, 2021, 13, 1370.	3.3	8
69	Increased Indoleamine 2,3-Dioxygenase 1 (IDO-1) Activity and Inflammatory Responses during Chikungunya Virus Infection. Pathogens, 2022, 11, 444.	2.8	8
70	Recombinant Polypeptide Antigen-Based Immunoglobulin G Enzyme-Linked Immunosorbent Assay for Serodiagnosis of Dengue. Vaccine Journal, 2007, 14, 641-643.	3.1	7
71	Dengue epidemics in two distinct periods reveal distinct epidemiological, laboratorial and clinical aspects in a same scenario: analysis of the 2010 and 2013 epidemics in Mato Grosso do Sul, Brazil. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2016, 110, 228-236.	1.8	7
72	Spontaneous Abortion and Chikungunya Infection: Pathological Findings. Viruses, 2021, 13, 554.	3.3	7

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73	Different Profiles of Cytokines, Chemokines and Coagulation Mediators Associated with Severity in Brazilian Patients Infected with Dengue Virus. Viruses, 2021, 13, 1789.	3.3	7
74	Analysis of Clinical and Laboratory Alterations Related to Dengue Case Severity: Comparison between Serotypes 2 and 4 in Brazil. American Journal of Tropical Medicine and Hygiene, 2017, 97, 137-145.	1.4	7
75	Increased circulating levels of High Mobility Group Box 1 (HMGB1) in acute-phase Chikungunya virus infection: Potential disease biomarker. Journal of Clinical Virology, 2022, 146, 105054.	3.1	7
76	Analysis of recombinant dengue virus polypeptides for dengue diagnosis and evaluation of the humoral immune response. American Journal of Tropical Medicine and Hygiene, 2004, 71, 144-52.	1.4	7
77	First detection of dengue virus in the saliva of immunocompetent murine model. Memorias Do Instituto Oswaldo Cruz, 2018, 113, e170208.	1.6	5
78	Comparative analysis of liver involvement caused by two DENV-2 lineages using an immunocompetent murine model. Scientific Reports, 2021, 11, 9723.	3.3	5
79	The Usefulness of a Duplex RT-qPCR during the Recent Yellow Fever Brazilian Epidemic: Surveillance of Vaccine Adverse Events, Epizootics and Vectors. Pathogens, 2021, 10, 693.	2.8	5
80	Brazilian Dengue Virus Type 2-Associated Renal Involvement in a Murine Model: Outcomes after Infection by Two Lineages of the Asian/American Genotype. Pathogens, 2021, 10, 1084.	2.8	5
81	Placental Alterations in a Chikungunya-Virus-Infected Pregnant Woman: A Case Report. Microorganisms, 2022, 10, 872.	3.6	5
82	Dengue 4 in CearÃ¡, Brazil: characterisation of epidemiological and laboratorial aspects and causes of death during the first epidemic in the state. Memorias Do Instituto Oswaldo Cruz, 2018, 113, e180320.	1.6	4
83	Evaluation of a generic RT-nested-PCR for detection of flaviviruses in suspected fatal cases of dengue infection, Rio de Janeiro, Brazil. Journal of Virological Methods, 2012, 186, 167-170.	2.1	3
84	of. Methods in Molecular Biology, 2022, 2409, 157-171.	0.9	3
85	Immunocompetent Mice Infected by Two Lineages of Dengue Virus Type 2: Observations on the Pathology of the Lung, Heart and Skeletal Muscle. Microorganisms, 2021, 9, 2536.	3.6	3
86	An Overview of Neglected Orthobunyaviruses in Brazil. Viruses, 2022, 14, 987.	3.3	3
87	Evaluation of immunoglobulin M-specific capture enzyme-linked immunosorbent assays and commercial tests for flaviviruses diagnosis by a National Reference Laboratory. Journal of Virological Methods, 2020, 286, 113976.	2.1	2
88	Morphological Aspects and Viremia Analysis of BALB/c Murine Model Experimentally Infected with Dengue Virus Serotype 4. Viruses, 2021, 13, 1954.	3.3	2
89	Was It Chikungunya? Laboratorial and Clinical Investigations of Cases Occurred during a Triple Arbovirusesâ€™ Outbreak in Rio de Janeiro, Brazil. Pathogens, 2022, 11, 245.	2.8	2
90	A Chikungunya Virus Multiepitope Recombinant Protein Expressed from the Binary System Insect Cell/Recombinant Baculovirus Is Useful for Laboratorial Diagnosis of Chikungunya. Microorganisms, 2022, 10, 1451.	3.6	2

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91	First detection and molecular characterization of a <scp>DENV</scp>â€1/<scp>DENV</scp>â€4 coâ€infection during an epidemic in Rio de Janeiro, Brazil. Clinical Case Reports (discontinued), 2018, 6, 2075-2080.	0.5	1
92	UM VÃRUS ANTIGO PARA O NOVO GÃŠNERO ORTHOMYXOVIRUS QUARANJAVIRUS? REVISITANDO A CLASSIFICAÃ‡ÃƒO DO VÃRUS AMAZÃ”NICO ARAGUARI:. , 2021, , 295-307.		0
93	of. Methods in Molecular Biology, 2022, 2409, 173-196.	0.9	0