Marcelo Nascimento Burattini

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Epidemiologic typing of multiply drug-resistant Pseudomonas aeruginosa isolated from an outbreak in an intensive care unit. Diagnostic Microbiology and Infectious Disease, 1993, 17, 13-18.	1.8	188
2	Clinical and Immunologic Evaluation of 31 Patients with Acute Schistosomiasis mansoni. Journal of Infectious Diseases, 2002, 185, 98-105.	4.0	186
3	New arenavirus isolated in Brazil. Lancet, The, 1994, 343, 391-392.	13.7	153
4	Modelling the control strategies against dengue in Singapore. Epidemiology and Infection, 2008, 136, 309-319.	2.1	138
5	Population-based surveys of antibodies against SARS-CoV-2 in Southern Brazil. Nature Medicine, 2020, 26, 1196-1199.	30.7	132
6	The risk of yellow fever in a dengue-infested area. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2001, 95, 370-374.	1.8	118
7	Threshold Conditions for a Non-Autonomous Epidemic System Describing the Population Dynamics of Dengue. Bulletin of Mathematical Biology, 2006, 68, 2263-2282.	1.9	104
8	Dog culling and replacement in an area endemic for visceral leishmaniasis in Brazil. Veterinary Parasitology, 2008, 153, 19-23.	1.8	91
9	HIV and Infections of Similar Transmission Patterns in a Drug Injectors Community of Santos, Brazil. Journal of Acquired Immune Deficiency Syndromes, 1996, 12, 84-92.	0.3	87
10	Metallo-beta-lactamases among imipenem-resistant Pseudomonas aeruginosa in a brazilian university hospital. Clinics, 2010, 65, 825-829.	1.5	84
11	<i>Rhodotorula</i> spp. isolated from blood cultures: clinical and microbiological aspects. Medical Mycology, 2008, 46, 547-556.	0.7	61
12	Assessing the Efficacy of a Mixed Vaccination Strategy against Rubella in São Paulo, Brazil. International Journal of Epidemiology, 1995, 24, 842-850.	1.9	60
13	Correlation between HIV and HCV in Brazilian prisoners: evidence for parenteral transmission inside prison. Revista De Saude Publica, 2000, 34, 431-436.	1.7	59
14	A model-based design of a vaccination strategy against rubella in a non-immunized community of São Paulo State, Brazil. Epidemiology and Infection, 1994, 112, 579-594.	2.1	54
15	Dengue and the risk of urban yellow fever reintroduction in São Paulo State, Brazil. Revista De Saude Publica, 2003, 37, 477-484.	1.7	54
16	The Risk of Chikungunya Fever in a Dengueâ€Endemic Area. Journal of Travel Medicine, 2008, 15, 147-155.	3.0	54
17	The 1918 influenza A epidemic in the city of São Paulo, Brazil. Medical Hypotheses, 2007, 68, 442-445.	1.5	52
18	Fuzzy logic and measles vaccination: designing a control strategy. International Journal of Epidemiology, 1999, 28, 550-557.	1.9	50

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19	Candidemia epidemiology and susceptibility profile in the largest Brazilian teaching hospital complex. Brazilian Journal of Infectious Diseases, 2010, 14, 441-448.	0.6	50
20	Threshold conditions for infection persistence in complex host-vectors interactions. Comptes Rendus - Biologies, 2002, 325, 1073-1084.	0.2	49
21	Forecasting versus projection models in epidemiology: The case of the SARS epidemics. Medical Hypotheses, 2005, 65, 17-22.	1.5	49
22	Seroprevalence of HIV, HCV and syphilis in Brazilian prisoners: preponderance of parenteral transmission. European Journal of Epidemiology, 1999, 15, 439-445.	5.7	47
23	Effect of progressive resistance exercise on strength evolution of elderly patients living with HIV compared to healthy controls. Clinics, 2011, 66, 261-266.	1.5	47
24	Dynamics of the 2006/2007 dengue outbreak in Brazil. Memorias Do Instituto Oswaldo Cruz, 2008, 103, 535-539.	1.6	46
25	Modeling Importations and Exportations of Infectious Diseases via Travelers. Bulletin of Mathematical Biology, 2016, 78, 185-209.	1.9	46
26	A Comparative Analysis of the Relative Efficacy of Vector-Control Strategies Against Dengue Fever. Bulletin of Mathematical Biology, 2014, 76, 697-717.	1.9	45
27	Modelling the Dynamics of Leishmaniasis Considering Human, Animal Host and Vector Populations. Journal of Biological Systems, 1998, 06, 337-356.	1.4	44
28	Estimating the probability of dengue virus introduction and secondary autochthonous cases in Europe. Scientific Reports, 2018, 8, 4629.	3.3	44
29	Relationship between Human Papillomavirus (HPV) Genotyping and Genital Neoplasia in HIV-Positive Patients of Santos City, São Paulo, Brazil. International Journal of STD and AIDS, 1999, 10, 803-807.	1.1	43
30	Progressive Resistance Training in Elderly HIV-Positive Patients: Does it Work?. Clinics, 2008, 63, 619-624.	1.5	41
31	Fuzzy epidemics. Artificial Intelligence in Medicine, 2003, 29, 241-259.	6.5	40
32	Modelling heterogeneities in individual frailties in epidemic models. Mathematical and Computer Modelling, 1999, 30, 97-115.	2.0	38
33	Yellow fever vaccination: How much is enough?. Vaccine, 2005, 23, 3908-3914.	3.8	38
34	Estimation of <i>R</i> ₀ from the initial phase of an outbreak of a vector-borne infection. Tropical Medicine and International Health, 2009, 15, 120-6.	2.3	37
35	The basic reproduction ratio of HIV among intravenous drug users. Mathematical Biosciences, 1994, 123, 227-247.	1.9	36
36	The impact of imperfect vaccines on the evolution of HIV virulence. Medical Hypotheses, 2006, 66, 907-911.	1.5	35

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37	On the origin and timing of Zika virus introduction in Brazil. Epidemiology and Infection, 2017, 145, 2303-2312.	2.1	35
38	An approximate threshold condition for non-autonomous system: An application to a vector-borne infection. Mathematics and Computers in Simulation, 2005, 70, 149-158.	4.4	34
39	Vaccination against rubella: Analysis of the temporal evolution of the age-dependent force of infection and the effects of different contact patterns. Physical Review E, 2003, 67, 051907.	2.1	33
40	Plasmodium falciparum in the southeastern Atlantic forest: a challenge to the bromeliad-malaria paradigm?. Malaria Journal, 2015, 14, 181.	2.3	32
41	The risk of dengue for non-immune foreign visitors to the 2016 summer olympic games in Rio de Janeiro, Brazil. BMC Infectious Diseases, 2016, 16, 186.	2.9	31
42	HPV type infection in different anogenital sites among HIV-positive Brazilian women. Infectious Agents and Cancer, 2008, 3, 5.	2.6	30
43	Short-term economic impact of the Zika virus outbreak. New Microbiologica, 2016, 39, 287-289.	0.1	30
44	Potential exposure to Zika virus for foreign tourists during the 2016 Carnival and Olympic Games in Rio de Janeiro, Brazil. Epidemiology and Infection, 2016, 144, 1904-1906.	2.1	29
45	Age and regional differences in clinical presentation and risk of hospitalization for dengue in Brazil, 2000-2014. Clinics, 2016, 71, 455-463.	1.5	29
46	Risk of symptomatic dengue for foreign visitors to the 2014 FIFA World Cup in Brazil. Memorias Do Instituto Oswaldo Cruz, 2014, 109, 394-397.	1.6	27
47	HIV infection and related risk behaviours in a disadvantaged youth institution of Sao Paulo, Brazil. International Journal of STD and AIDS, 1999, 10, 98-104.	1.1	25
48	The Eyam plague revisited: did the village isolation change transmission from fleas to pulmonary?. Medical Hypotheses, 2004, 63, 911-915.	1.5	25
49	Neurodynamics of an election. Brain Research, 2010, 1351, 198-211.	2.2	24
50	Azole resistance among oral Candida species isolates from AIDS patients under ketoconazole exposure. Diagnostic Microbiology and Infectious Disease, 1998, 32, 211-216.	1.8	23
51	Seroprevalence of hepatitis B virus and hepatitis C virus in Monte Negro in the Brazilian western Amazon region. Clinics, 2005, 60, 29-36.	1.5	22
52	The 2007 dengue outbreak in Singapore. Epidemiology and Infection, 2010, 138, 958-961.	2.1	22
53	A NEUROECONOMIC MODELING OF ATTENTION-DEFICIT/HYPERACTIVITY DISORDER (ADHD). Journal of Biological Systems, 2009, 17, 597-622.	1.4	21
54	Modeling the risk of malaria for travelers to areas with stable malaria transmission. Malaria Journal, 2009, 8, 296.	2.3	21

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55	Cost-effectiveness analysis of a hypothetical hepatitis C vaccine compared to antiviral therapy. Epidemiology and Infection, 2009, 137, 241-249.	2.1	21
56	Modelling the Natural History of HIV Infection in Individuals and its Epidemiological Implications. Bulletin of Mathematical Biology, 2001, 63, 1041-1062.	1.9	20
57	Interferon-gamma and tumour necrosis factor-alpha production by CD4+ T and CD8+ T lymphocytes in AIDS patients with tuberculosis. Clinical and Experimental Immunology, 2005, 140, 491-497.	2.6	20
58	Analysis of the optimal vaccination age for dengue in Brazil with a tetravalent dengue vaccine. Mathematical Biosciences, 2017, 294, 15-32.	1.9	20
59	Three year seroepidemiological study of varicella-zoster virus in São Paulo, Brazil. Revista Do Instituto De Medicina Tropical De Sao Paulo, 2000, 42, 125-128.	1.1	20
60	Modeling the interaction between aids and tuberculosis. Mathematical and Computer Modelling, 1993, 17, 7-21.	2.0	19
61	Interferon-Î ³ release assay as a sensitive diagnostic tool of latent tuberculosis infection in patients with HIV: a cross-sectional study. BMC Infectious Diseases, 2018, 18, 585.	2.9	19
62	Effects of vaccination programmes on transmission rates of infections and related threshold conditions for control. Mathematical Medicine and Biology, 1993, 10, 187-206.	1.2	18
63	Optimal age for vaccination against measles in the State of São Paulo, Brazil, taking into account the mother's serostatus. Vaccine, 2001, 20, 226-234.	3.8	18
64	Estimating the size of Aedes aegypti populations from dengue incidence data: Implications for the risk of yellow fever outbreaks. Infectious Disease Modelling, 2017, 2, 441-454.	1.9	18
65	The risk of urban yellow fever resurgence in <i>Aedes</i> -infested American cities. Epidemiology and Infection, 2018, 146, 1219-1225.	2.1	17
66	A Mixed Ectoparasite–Microparasite Model for Bat-Transmitted Rabies. Theoretical Population Biology, 2001, 60, 265-279.	1.1	15
67	Modeling the impact of imperfect HIV vaccines on the incidence of the infection. Mathematical and Computer Modelling, 2001, 34, 345-351.	2.0	15
68	An optimization model for antibiotic use. Applied Mathematics and Computation, 2008, 201, 161-167.	2.2	15
69	Magnitude and frequency variations of vector-borne infection outbreaks using the Ross–Macdonald model: explaining and predicting outbreaks of dengue fever. Epidemiology and Infection, 2016, 144, 3435-3450.	2.1	15
70	EPICOVID19 protocol: repeated serological surveys on SARS-CoV-2 antibodies in Brazil. Ciencia E Saude Coletiva, 2020, 25, 3573-3578.	0.5	15
71	A mathematical model of the impact of crack-cocaine use on the prevalence of HIV/AIDS among drug users. Mathematical and Computer Modelling, 1998, 28, 21-29.	2.0	14
72	Seroprevalence of rubella antibodies in the State of São Paulo, Brazil, 8 years after the introduction of vaccine. Vaccine, 2003, 21, 3795-3800.	3.8	14

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73	A hypothesis for the 2007 dengue outbreak in Singapore. Epidemiology and Infection, 2010, 138, 951-957.	2.1	14
74	Modeling the Competition Between Viruses in a Complex Plant–Pathogen System. Phytopathology, 2010, 100, 1042-1047.	2.2	13
75	Dengue outlook for the World Cup in Brazil. Lancet Infectious Diseases, The, 2014, 14, 552-553.	9.1	13
76	HIV infection and related risk behaviors in a community of recyclable waste collectors of Santos, Brazil. Revista De Saude Publica, 2008, 42, 838-843.	1.7	13
77	Malaria transmission rates estimated from serological data. Epidemiology and Infection, 1993, 111, 503-524.	2.1	12
78	Laboratory and Field Observations on Duration of Gonotrophic Cycle of <i>Anopheles albitarsis</i> s.l. (Diptera: Culicidae) in Southeastern Brazil. Journal of Medical Entomology, 2002, 39, 926-930.	1.8	12
79	Risk Factors Associated with Genital Warts in Hiv-Positive Brazilian Women. Tumori, 2003, 89, 9-15.	1.1	12
80	Will people change their vector-control practices in the presence of an imperfect dengue vaccine?. Epidemiology and Infection, 2014, 142, 625-633.	2.1	11
81	HIV infection and related risk behaviors in a community of recyclable waste collectors of Santos, Brazil. Revista De Saude Publica, 2008, 42, 838-843.	1.7	11
82	Malaria prevalence amongst Brazilian Indians assessed by a new mathematical model. Epidemiology and Infection, 1993, 111, 525-538.	2.1	10
83	Viral evolution and the competitive exclusion principle. Bioscience Hypotheses, 2008, 1, 168-171.	0.2	10
84	Modeling the Dynamics of Viral Evolution ConsideringÂCompetition Within Individual Hosts andÂatÂPopulation Level: The Effects of Treatment. Bulletin of Mathematical Biology, 2010, 72, 1294-1314.	1.9	10
85	Impact of coagulation in the development of thromboembolic events in patients with spinal cord injury. Spinal Cord, 2014, 52, 327-332.	1.9	10
86	Interpretations and pitfalls in modelling vector-transmitted infections. Epidemiology and Infection, 2015, 143, 1803-1815.	2.1	10
87	High prevalence of symptoms among Brazilian subjects with antibodies against SARS-CoV-2. Scientific Reports, 2021, 11, 13279.	3.3	10
88	Modelling the spread of infections when the contact rate among individuals is short ranged: Propagation of epidemic waves. Mathematical and Computer Modelling, 1999, 29, 55-69.	2.0	9
89	Anopheles albitarsiss.l. (Diptera: Culicidae) Survivorship and Density in a Rice Irrigation Area of the State of São Paulo, Brazil. Journal of Medical Entomology, 2004, 41, 997-1000.	1.8	9
90	The change from intravenous to crack cocaine and its impact on reducing HIV incidence in Brazilian prisons. International Journal of STD and AIDS, 2005, 16, 836-837.	1.1	9

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91	Estimating the Size of the HCV Infection Prevalence: A Modeling Approach Using the Incidence of Cases Reported to an Official Notification System. Bulletin of Mathematical Biology, 2016, 78, 970-990.	1.9	9
92	Estimating the prevalence of infectious diseases from under-reported age-dependent compulsorily notification databases. Theoretical Biology and Medical Modelling, 2017, 14, 23.	2.1	9
93	MODELLING AGE-DEPENDENT TRANSMISSION RATES FOR CHILDHOOD INFECTIONS. Journal of Biological Systems, 1995, 03, 803-812.	1.4	8
94	A public health risk assessment for yellow fever vaccination: a model exemplified by an outbreak in the state of São Paulo, Brazil. Memorias Do Instituto Oswaldo Cruz, 2015, 110, 230-234.	1.6	7
95	Serological, parasitological and molecular tests for canine visceral leishmaniosis diagnosis in a longitudinal study. Brazilian Journal of Veterinary Parasitology, 2015, 24, 402-409.	0.7	7
96	Diabetes melutus associated with pentamidine isethionate in diffuse cutaneous leishmaniasis. Revista Da Sociedade Brasileira De Medicina Tropical, 1995, 28, 405-407.	0.9	6
97	A theoretical model of the evolution of virulence in sexually transmitted HIV/AIDS. Revista De Saude Publica, 1999, 33, 329-333.	1.7	6
98	HIV and related infections in a sample of recyclable waste collectors of Brazil. International Journal of STD and AIDS, 2007, 18, 653-654.	1.1	6
99	Applicability and potential benefits of benchmarking in Brazilian clinical laboratory services. Benchmarking, 2009, 16, 817-830.	4.6	6
100	In VivoHIV-1 Hypermutation and Viral Loads Among Antiretroviral-Naive Brazilian Patients. AIDS Research and Human Retroviruses, 2014, 30, 867-880.	1.1	6
101	Slow Spread of SARS-CoV-2 in Southern Brazil Over a 6-Month Period: Report on 8 Sequential Statewide Serological Surveys Including 35 611 Participants. American Journal of Public Health, 2021, 111, 1542-1550.	2.7	6
102	Comparative study of agar diffusion test and the NCCLS macrobroth method for in vitro susceptibility testing of Candida spp. Mycopathologia, 1999, 145, 131-135.	3.1	5
103	A schematic age-structured compartment model of the impact of antiretroviral therapy on HIV incidence and prevalence. Mathematics and Computers in Simulation, 2006, 71, 131-148.	4.4	5
104	The risk of acquiring the new influenza A(H1N1) for Brazilian travelers to Chile, Argentina and the USA. Memorias Do Instituto Oswaldo Cruz, 2010, 105, 179-183.	1.6	5
105	Candidemia epidemiology and susceptibility profile in the largest Brazilian teaching hospital complex. Brazilian Journal of Infectious Diseases, 2010, 14, 441-448.	0.6	5
106	Which phase of the natural history of HIV infection is more transmissible?. International Journal of STD and AIDS, 2002, 13, 430-431.	1.1	4
107	Steady-state sweep visual evoked potential processing denoised by wavelet transform. Proceedings of SPIE, 2008, , .	0.8	4
108	Maximum Equilibrium Prevalence of Mosquito-Borne Microparasite Infections in Humans. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-7.	1.3	4

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109	The challenge of conducting epidemiological research in times of pandemic and denialism: 1-year anniversary of the EPICOVID-19 project in Brazil. International Journal of Epidemiology, 2021, 50, 1049-1052.	1.9	4
110	Malaria in the Indian Reservation of "Vale do Javari", Brazil. Revista Do Instituto De Medicina Tropical De Sao Paulo, 1996, 38, 59-60.	1.1	4
111	Brain and Law: An EEG Study of How We Decide or Not to Implement a Law. Journal of Behavioral and Brain Science, 2014, 04, 559-578.	0.5	4
112	The clinical course of hospitalized moderately ill COVID-19 patients is mirrored by routine hematologic tests and influenced by renal transplantation. PLoS ONE, 2021, 16, e0258987.	2.5	4
113	Analysis of antimicrobials' consumption profile in a University Hospital of Western ParanÃ _i , Brazil. Brazilian Journal of Pharmaceutical Sciences, 2009, 45, 295-302.	1.2	3
114	Evaluation of Helicobacter pylory colonization by serologic test (IgG) and dyspepsia in volunteers from the countryside of Monte Negro, in the Brazilian western Amazon region. Revista Do Instituto De Medicina Tropical De Sao Paulo, 2010, 52, 203-206.	1.1	3
115	The Optimal Age of Vaccination Against Dengue with an Age-Dependent Biting Rate with Application to Brazil. Bulletin of Mathematical Biology, 2020, 82, 12.	1.9	3
116	Progressive Resistance Training on Elderly HIV+ Patients: Does it Work?. American Journal of Infectious Diseases, 2008, 4, 215-219.	0.2	3
117	Risk factors associated with genital warts in HIV-positive Brazilian women. Tumori, 2003, 89, 9-15.	1.1	3
118	Anogenital warts contributing to the risk of squamous intraepithelial lesions among HIV-positive women of São Paulo, Brazil. International Journal of STD and AIDS, 2003, 14, 309-313.	1.1	2
119	Monitoração terapêutica da azatioprina: uma revisão. Jornal Brasileiro De Patologia E Medicina Laboratorial, 2008, 44, .	0.3	2
120	A hypothesis for explaining single outbreaks (like the Black Death in European cities) of vector-borne infections. Medical Hypotheses, 2009, 73, 110-114.	1.5	2
121	A mathematical model for optimizing the indications of liver transplantation in patients with hepatocellular carcinoma. Theoretical Biology and Medical Modelling, 2013, 10, 60.	2.1	2
122	Pandemic H1N1 illness prognosis: evidence from clinical and epidemiological data from the first pandemic wave in São Paulo, Brazil. Clinics, 2013, 68, 840-845.	1.5	2
123	A MODEL-INDEPENDENT ANALYSIS OF THE DEMOGRAPHIC IMPACT OF HIV/AIDS IN THE STATE OF SÃfO PAULO, BRAZIL. Journal of Biological Systems, 2001, 09, 255-267.	1.4	1
124	Spot urine porphyrins/creatinine ratio profile of healthy Brazilian individuals adjusted for personal habits. Brazilian Journal of Medical and Biological Research, 2009, 42, 700-706.	1.5	1
125	Control of multi-resistant bacteria and ventilator-associated pneumonia: is it possible with changes in antibiotics?. Brazilian Journal of Infectious Diseases, 2007, 11, 418-422.	0.6	1
126	Doenças infecciosas no Século XXI. ACTA Paulista De Enfermagem, 2016, 29, III-VI.	0.6	1

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127	A negative correlation between dengue and bushfires in Brazil. Journal of Environmental Health, 2014, 76, 66-7.	0.5	1
128	Validação de metodologia para dosagem de porfirinas urinárias por cromatografia lÃquida de alta eficiência. BJPS: Brazilian Journal of Pharmaceutical Sciences, 2007, 43, 581-588.	0.5	0
129	An optimal vaccination strategy against rotavirus. Vaccine, 2008, 26, 2807.	3.8	0
130	Decreased susceptibility to polymyxins emerging during treatment for carbapenem-resistant Enterobacter aerogenes infection. International Journal of Infectious Diseases, 2010, 14, e42.	3.3	0
131	Analysis of candidemia epidemiological data and antifungigram by distinct methodologies in a large Brazilian teaching hospital. International Journal of Infectious Diseases, 2010, 14, e125.	3.3	0
132	Modeling Decision Making Considering Collective Versus Individual Interests in Public Health. SSRN Electronic Journal, 0, , .	0.4	0
133	Network Structure of Majority Elections in Brazil. SSRN Electronic Journal, 2013, , .	0.4	0
134	THE MATHEMATICS OF LIVER TRANSPLANTATION. , 2014, , .		0
135	The optimal age of vaccination against dengue in Brazil based on serotype-specific forces of infection derived from serological data. Mathematical Medicine and Biology, 2021, 38, 1-27.	1.2	0
136	Rapidly fatal tropical pyomyositis in an elderly diabetic woman. International Journal of Infectious Diseases, 2021, 104, 677-679.	3.3	0
137	MODELING PLAGUE DYNAMICS: ENDEMIC STATES, OUTBREAKS AND EPIDEMIC WAVES. , 2006, , .		0
138	MODELING THE RISK OF FALCIPARUM MALARIA FOR TRAVELERS TO HOLOENDEMIC REGIONS. , 2009, , .		0