

Flávio Codeço Coelho

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

983
citations

567281

15
h-index

501196

28
g-index

62
all docs

62
docs citations

62
times ranked

1674
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher incidence of Zika in adult women than adult men in Rio de Janeiro suggests a significant contribution of sexual transmission from men to women. <i>International Journal of Infectious Diseases</i> , 2016, 51, 128-132.	3.3	112
2	Emergência do novo coronavírus (SARS-CoV-2) e o papel de uma vigilância nacional em saúde oportuna e efetiva. <i>Cadernos De Saude Publica</i> , 2020, 36, e00019620.	1.0	91
3	Assessing the spread of COVID-19 in Brazil: Mobility, morbidity and social vulnerability. <i>PLoS ONE</i> , 2020, 15, e0238214.	2.5	72
4	A modelling approach for correcting reporting delays in disease surveillance data. <i>Statistics in Medicine</i> , 2019, 38, 4363-4377.	1.6	63
5	COVID-19 e hospitalizações por SRAG no Brasil: uma comparação até a 12ª semana epidemiológica de 2020. <i>Cadernos De Saude Publica</i> , 2020, 36, e00070120.	1.0	56
6	Dynamic Modeling of Vaccinating Behavior as a Function of Individual Beliefs. <i>PLoS Computational Biology</i> , 2009, 5, e1000425.	3.2	52
7	Large-scale multivariate forecasting models for Dengue - LSTM versus random forest regression. <i>Spatial and Spatio-temporal Epidemiology</i> , 2020, 35, 100372.	1.7	51
8	Zika in Rio de Janeiro: Assessment of basic reproduction number and comparison with dengue outbreaks. <i>Epidemiology and Infection</i> , 2017, 145, 1649-1657.	2.1	50
9	A Bayesian Framework for Parameter Estimation in Dynamical Models. <i>PLoS ONE</i> , 2011, 6, e19616.	2.5	49
10	SRAG por COVID-19 no Brasil: descrição e comparação de características demográficas e comorbidades com SRAG por influenza e com a população geral. <i>Cadernos De Saude Publica</i> , 2020, 36, e00149420.	1.0	46
11	Epigrass: a tool to study disease spread in complex networks. <i>Source Code for Biology and Medicine</i> , 2008, 3, 3.	1.7	39
12	Trends in Cholera Epidemiology. <i>PLoS Medicine</i> , 2006, 3, e42.	8.4	25
13	Estimating the effective reproduction number of dengue considering temperature-dependent generation intervals. <i>Epidemics</i> , 2018, 25, 101-111.	3.0	21
14	Vaccinating in disease-free regions: a vaccine model with application to yellow fever. <i>Journal of the Royal Society Interface</i> , 2007, 4, 1119-1125.	3.4	19
15	Zika is not a reason for missing the Olympic Games in Rio de Janeiro: response to the open letter of Dr Attaran and colleagues to Dr Margaret Chan, Director - General, WHO, on the Zika threat to the Olympic and Paralympic Games. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2016, 111, 414-415.	1.6	17
16	Complete treatment of uncertainties in a model for dengue R0 estimation. <i>Cadernos De Saude Publica</i> , 2008, 24, 853-861.	1.0	14
17	Estimating the Attack Ratio of Dengue Epidemics under Time-varying Force of Infection using Aggregated Notification Data. <i>Scientific Reports</i> , 2016, 5, 18455.	3.3	14
18	Modeling Basins of Attraction for Breast Cancer Using Hopfield Networks. <i>Frontiers in Genetics</i> , 2020, 11, 314.	2.3	14

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19	Behavioral Modulation of Infestation by <i>Varroa destructor</i> in Bee Colonies. Implications for Colony Stability. PLoS ONE, 2016, 11, e0160465.	2.5	11
20	Decentralising scientific publishing: can the blockchain improve science communication?. Memórias Do Instituto Oswaldo Cruz, 2019, 114, e190257.	1.6	10
21	Effects of sulfonyleureas on KATP channel-dependent vasodilation. Journal of Diabetes and Its Complications, 2003, 17, 6-10.	2.3	9
22	Reconstructing news spread networks and studying its dynamics. Social Network Analysis and Mining, 2018, 8, 1.	2.8	9
23	The epidemic wave of influenza A (H1N1) in Brazil, 2009. Cadernos De Saude Publica, 2012, 28, 1325-1336.	1.0	9
24	Can Zika Account for the Missing Babies?. Frontiers in Public Health, 2017, 5, 317.	2.7	8
25	Identificação de grupos prioritários para a vacinação contra COVID-19 no Brasil. Cadernos De Saude Publica, 2021, 37, e00049821.	1.0	8
26	Zika: an ongoing threat to women and infants. Cadernos De Saude Publica, 2018, 34, e00038218.	1.0	7
27	Epidemiological data accessibility in Brazil. Lancet Infectious Diseases, The, 2016, 16, 524-525.	9.1	6
28	Precision epidemiology of arboviral diseases. Journal of Public Health and Emergency, 0, 3, 1-1.	4.4	6
29	The consumer litigation industry: Chasing dragon kings in lawyer-client networks. Social Networks, 2015, 40, 17-24.	2.1	5
30	Modeling Direct Transmission Diseases Using Parallel Bitstring Agent-Based Models. IEEE Transactions on Computational Social Systems, 2018, 5, 1109-1120.	4.4	5
31	Estimating under-observation and the full size of the 2016 Zika epidemic in Rio de Janeiro. PLoS ONE, 2018, 13, e0205001.	2.5	5
32	A Framework for Weather-Driven Dengue Virus Transmission Dynamics in Different Brazilian Regions. International Journal of Environmental Research and Public Health, 2021, 18, 9493.	2.6	3
33	A framework for modeling and simulating <i>Aedes aegypti</i> and dengue fever dynamics. , 2014, , .		2
34	Sex-Specific Asymmetrical Attack Rates in Combined Sexual-Vectorial Transmission Epidemics. Microorganisms, 2019, 7, 112.	3.6	2
35	Dynamic Modeling of Vaccinating Behavior as a Function of Individual Beliefs. Nature Precedings, 2008, , .	0.1	1
36	A Bayesian Framework for Parameter Estimation in Dynamical Models with Applications to Forecasting. Nature Precedings, 2009, , .	0.1	1

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37	MODELAGEM DE DOENÇAS TRANSMISSÍVEIS. <i>Oecologia Australis</i> , 2012, 16, 110-116.	0.2	1
38	4 - Estimativa de risco de espalhamento da Covid-19 no Brasil e avaliação da vulnerabilidade socioeconômica nas microrregiões brasileiras. , 2021, , 75-84.		1
39	Faster indicators of chikungunya incidence using Google searches. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0010441.	3.0	1
40	Epigrass: a tool to study disease spread in complex networks.. <i>Nature Precedings</i> , 2007, , .	0.1	0
41	Reply to commentary on Zika: An Ongoing Threat to Women and Infants. <i>Cadernos De Saude Publica</i> , 2018, 34, e00192318.	1.0	0