

Joseph D Challenger

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17 papers	181 citations	8 h-index	13 g-index
19 ext. papers	313 ext. citations	8.6 avg, IF	2.74 L-index

#	Paper	IF	Citations
17	The potential public health consequences of COVID-19 on malaria in Africa. <i>Nature Medicine</i> , 2020 , 26, 1411-1416	50.5	62
16	Biochemical fluctuations, optimisation and the linear noise approximation. <i>BMC Systems Biology</i> , 2012 , 6, 86	3.5	19
15	Turing-like instabilities from a limit cycle. <i>Physical Review E</i> , 2015 , 92, 022818	2.4	17
14	The impact of delayed treatment of uncomplicated P. falciparum malaria on progression to severe malaria: A systematic review and a pooled multicentre individual-patient meta-analysis. <i>PLoS Medicine</i> , 2020 , 17, e1003359	11.6	16
13	Assessing the impact of imperfect adherence to artemether-lumefantrine on malaria treatment outcomes using within-host modelling. <i>Nature Communications</i> , 2017 , 8, 1373	17.4	13
12	Synchronization of stochastic oscillators in biochemical systems. <i>Physical Review E</i> , 2013 , 88, 012107	2.4	11
11	Multi-compartment linear noise approximation. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012 , 2012, P11010	1.9	8
10	Intrinsic noise and discrete-time processes. <i>Physical Review E</i> , 2013 , 88, 040102	2.4	8
9	Intrinsic noise and two-dimensional maps: quasicycles, quasiperiodicity, and chaos. <i>Physical Review E</i> , 2014 , 90, 032135	2.4	7
8	The Theory of Individual Based Discrete-Time Processes. <i>Journal of Statistical Physics</i> , 2014 , 156, 131-155	1.5	7
7	How delayed and non-adherent treatment contribute to onward transmission of malaria: a modelling study. <i>BMJ Global Health</i> , 2019 , 4, e001856	6.6	4
6	Predicting the public health impact of a malaria transmission-blocking vaccine. <i>Nature Communications</i> , 2021 , 12, 1494	17.4	3
5	Asymptomatic recrudescence after artemether-lumefantrine treatment for uncomplicated falciparum malaria: a systematic review and meta-analysis. <i>Malaria Journal</i> , 2020 , 19, 453	3.6	2
4	Monoclonal antibodies block transmission of genetically diverse Plasmodium falciparum strains to mosquitoes. <i>Npj Vaccines</i> , 2021 , 6, 101	9.5	2
3	Modelling upper respiratory viral load dynamics of SARS-CoV-2.. <i>BMC Medicine</i> , 2022 , 20, 25	11.4	1
2	Comparative efficacy of two pyrethroid-piperonyl butoxide nets (Olyset Plus and PermaNet 3.0) against pyrethroid resistant malaria vectors: a non-inferiority assessment.. <i>Malaria Journal</i> , 2022 , 21, 20	3.6	1
1	Suppressing escape events in maps of the unit interval with demographic noise. <i>Physical Review E</i> , 2016 , 94, 052133	2.4	

