Joseph D Challenger

List of Publications by Year in Descending Order

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