Prashanth Selvaraj

List of Publications by Year
in descending order

17	774	933447 10	888059 17
papers	citations	h-index	g-index

26	26	26	1009
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rural prioritization may increase the impact of COVID-19 vaccines in a representative COVAX AMC country setting due to ongoing internal migration: A modeling study. PLOS Global Public Health, 2022, 2, e0000053.	1.6	1
2	Modeling impact and costâ€effectiveness of drivingâ€Y gene drives for malaria elimination in the Democratic Republic of the Congo. Evolutionary Applications, 2022, 15, 132-148.	3.1	5
3	Controlling COVID-19 via test-trace-quarantine. Nature Communications, 2021, 12, 2993.	12.8	74
4	Covasim: An agent-based model of COVID-19 dynamics and interventions. PLoS Computational Biology, 2021, 17, e1009149.	3.2	330
5	Policy Review and Modeling Analysis of Mitigation Measures for Coronavirus Disease Epidemic Control, Health System, and Disease Burden, South Korea. Emerging Infectious Diseases, 2021, 27, 2753-2760.	4.3	3
6	Intensive Care Unit Capacity and Its Associated Risk Factors During the COVID-19 Surge in the Republic of Korea: Analysis Using Nationwide Health Claims Data . Risk Management and Healthcare Policy, 2020, Volume 13, 2571-2581.	2.5	4
7	Vector genetics, insecticide resistance and gene drives: An agent-based modeling approach to evaluate malaria transmission and elimination. PLoS Computational Biology, 2020, 16, e1008121.	3.2	15
8	Reducing the Carbon Footprint of Academic Conferences: The Example of the American Society of Tropical Medicine and Hygiene. American Journal of Tropical Medicine and Hygiene, 2020, 103, 1758-1761.	1.4	48
9	Detection of malaria parasites in dried human blood spots using mid-infrared spectroscopy and logistic regression analysis. Malaria Journal, 2019, 18, 341.	2.3	36
10	Reducing malaria burden and accelerating elimination with long-lasting systemic insecticides: a modelling study of three potential use cases. Malaria Journal, 2019, 18, 307.	2.3	11
11	Using mid-infrared spectroscopy and supervised machine-learning to identify vertebrate blood meals in the malaria vector, Anopheles arabiensis. Malaria Journal, 2019, 18, 187.	2.3	28
12	Investigating the impact of enhanced community case management and monthly screening and treatment on the transmissibility of malaria infections in Burkina Faso: study protocol for a cluster-randomised trial. BMJ Open, 2019, 9, e030598.	1.9	10
13	Seasonality and heterogeneity of malaria transmission determine success of interventions in high-endemic settings: a modeling study. BMC Infectious Diseases, 2018, 18, 413.	2.9	39
14	Closed-loop feedback control and bifurcation analysis of epileptiform activity via optogenetic stimulation in a mathematical model of human cortex. Physical Review E, 2016, 93, 012416.	2.1	14
15	Optogenetic induced epileptiform activity in a model human cortex. SpringerPlus, 2015, 4, 155.	1.2	3
16	Open loop optogenetic control of simulated cortical epileptiform activity. Journal of Computational Neuroscience, 2014, 36, 515-525.	1.0	18
17	Mechanical clot damage from cavitation during sonothrombolysis. Journal of the Acoustical Society of America, 2013, 133, 3159-3175.	1.1	35