

Prashanth Selvaraj

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

774
citations

933447

10
h-index

888059

17
g-index

26
all docs

26
docs citations

26
times ranked

1009
citing authors

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