Romesh G Abeysuriya

List of Publications by Year
in descending order

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28 papers	1,757 citations	516710 16 h-index	526287 27 g-index
38 all docs	38 docs citations	38 times ranked	1984 citing authors

#	Article	IF	Citations
1	Preventing a cluster from becoming a new wave in settings with zero community COVID-19 cases. BMC Infectious Diseases, 2022, 22, 232.	2.9	9
2	Risk of sustained SARS-CoV-2 transmission in Queensland, Australia. Scientific Reports, 2022, 12, 6309.	3.3	5
3	Role of masks, testing and contact tracing in preventing COVID-19 resurgences: a case study from New South Wales, Australia. BMJ Open, 2021, 11, e045941.	1.9	18
4	Controlling COVID-19 via test-trace-quarantine. Nature Communications, 2021, 12, 2993.	12.8	74
5	Covasim: An agent-based model of COVID-19 dynamics and interventions. PLoS Computational Biology, 2021, 17, e1009149.	3.2	330
6	Estimating and mitigating the risk of COVID-19 epidemic rebound associated with reopening of international borders in Vietnam: a modelling study. The Lancet Global Health, 2021, 9, e916-e924.	6.3	22
7	Optima TB: A tool to help optimally allocate tuberculosis spending. PLoS Computational Biology, 2021, 17, e1009255.	3.2	8
8	Modelling the impact of relaxing <scp>COVID</scp> â€19 control measures during a period of low viral transmission. Medical Journal of Australia, 2021, 214, 79-83.	1.7	58
9	Diabetes care cascade in Ukraine: an analysis of breakpoints and opportunities for improved diabetes outcomes. BMC Health Services Research, 2020, 20, 409.	2.2	12
10	Transient spectral events in resting state MEG predict individual task responses. NeuroImage, 2020, 215, 116818.	4.2	14
11	Metastable brain waves. Nature Communications, 2019, 10, 1056.	12.8	170
12	How do spatially distinct frequency specific MEG networks emerge from one underlying structural connectome? The role of the structural eigenmodes. NeuroImage, 2019, 186, 211-220.	4.2	81
13	The Cascade Analysis Tool: software to analyze and optimize care cascades. Gates Open Research, 2019, 3, 1488.	1.1	2
14	Bayesian Optimisation of Large-Scale Biophysical Networks. NeuroImage, 2018, 174, 219-236.	4.2	16
15	A unified model of melatonin, 6â€sulfatoxymelatonin, and sleep dynamics. Journal of Pineal Research, 2018, 64, e12474.	7.4	66
16	Discovering dynamic brain networks from big data in rest and task. NeuroImage, 2018, 180, 646-656.	4.2	253
17	NFTsim: Theory and Simulation of Multiscale Neural Field Dynamics. PLoS Computational Biology, 2018, 14, e1006387.	3.2	25
18	Task-Evoked Dynamic Network Analysis Through Hidden Markov Modeling. Frontiers in Neuroscience, 2018, 12, 603.	2.8	137

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19	A biophysical model of dynamic balancing of excitation and inhibition in fast oscillatory large-scale networks. PLoS Computational Biology, 2018, 14, e1006007.	3.2	73
20	Real-time automated EEG tracking of brain states using neural field theory. Journal of Neuroscience Methods, 2016, 258, 28-45.	2.5	30
21	Physiologically based arousal state estimation and dynamics. Journal of Neuroscience Methods, 2015, 253, 55-69.	2.5	65
22	Sleep analytics and online selective anomaly detection. , 2014, , .		2
23	Prediction and verification of nonlinear sleep spindle harmonic oscillations. Journal of Theoretical Biology, 2014, 344, 70-77.	1.7	36
24	Experimental observation of a theoretically predicted nonlinear sleep spindle harmonic in human EEG. Clinical Neurophysiology, 2014, 125, 2016-2023.	1.5	25
25	Exploring Sleepiness and Entrainment on Permanent Shift Schedules in a Physiologically Based Model. Journal of Biological Rhythms, 2012, 27, 91-102.	2.6	40
26	Physiologically based quantitative modeling of unihemispheric sleep. Journal of Theoretical Biology, 2012, 314, 109-119.	1.7	10
27	Ideal MHD stability of a spherical tokamak power plant and a component test facility. Plasma Physics and Controlled Fusion, 2010, 52, 125005.	2.1	3
28	Mammalian Sleep Dynamics: How Diverse Features Arise from a Common Physiological Framework. PLoS Computational Biology, 2010, 6, e1000826.	3.2	45