Sandip Mandal

List of Publications by Year
in descending order

32 papers	1,016 citations	759233 12 h-index	454955 30 g-index
35 all docs	35 docs citations	35 times ranked	1567 citing authors

#	Article	IF	Citations
1	â€˜Imperfect but usefulâ€™: pandemic response in the Global South can benefit from greater use of mathematical modelling. BMJ Global Health, 2022, 7, e008710.	4.7	3
2	Plausibility of a third wave of COVID-19 in India: A mathematical modelling based analysis. Indian Journal of Medical Research, 2021, 153, 522.	1.0	38
3	Indiaâ€™s pragmatic vaccination strategy against COVID-19: a mathematical modelling-based analysis. BMJ Open, 2021, 11, e048874.	1.9	15
4	Lessons learned during COVID-19: Building critical care/ICU capacity for resource limited countries with complex emergencies in the World Health Organization Eastern Mediterranean Region. Journal of Global Health, 2021, 11, 03083.	2.7	15
5	Responsible travel to and within India during the COVID-19 pandemic. Journal of Travel Medicine, 2021, , .	3.0	2
6	Responsive and agile vaccination strategies against COVID-19 in India. The Lancet Global Health, 2021, 9, e1197-e1200.	6.3	13
7	The potential impact of preventive therapy against tuberculosis in the WHO South-East Asian Region: a modelling approach. BMC Medicine, 2020, 18, 163.	5.5	10
8	Ending TB in Southeast Asia: current resources are not enough. BMJ Global Health, 2020, 5, e002073.	4.7	13
9	Prudent public health intervention strategies to control the coronavirus disease 2019 transmission in India: A mathematical model-based approach. Indian Journal of Medical Research, 2020, 151, 190.	1.0	219
10	Micro-Scale Variability Impacts the Outcome of Competition Between Different Modeled Size Classes of Phytoplankton. Frontiers in Marine Science, 2019, 6, .	2.5	7
11	Micro-scale patchiness enhances trophic transfer efficiency and potential plankton biodiversity. Scientific Reports, 2019, 9, 17243.	3.3	15
12	Modeling the Combined Effects of Physiological Flexibility and Micro-Scale Variability for Plankton Ecosystem Dynamics. , 2019, , 527-535.		1
13	Strategies for ending tuberculosis in the South-East Asian Region: A modelling approach. Indian Journal of Medical Research, 2019, 149, 517.	1.0	9
14	A mathematical study to control Guinea worm disease: a case study on Chad. Journal of Biological Dynamics, 2018, 12, 846-871.	1.7	11
15	DOES SENSITIVITY ANALYSIS VALIDATE BIOLOGICAL RELEVANCE OF PARAMETERS IN MODEL DEVELOPMENT? REVISITING TWO BASIC MALARIA MODELS. , 2017, , 187-203.		0
16	Counting the lives saved by DOTS in India: a model-based approach. BMC Medicine, 2017, 15, 47.	5.5	32
17	Micro-scale variability enhances trophic transfer and potentially sustains biodiversity in plankton ecosystems. Journal of Theoretical Biology, 2017, 412, 86-93.	1.7	16
18	A 1D physicalâ€“biological model of the impact of highly intermittent phytoplankton distributions. Journal of Plankton Research, 2016, 38, 964-976.	1.8	16

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19	Feasibility of achieving the 2025 WHO global tuberculosis targets in South Africa, China, and India: a combined analysis of 11 mathematical models. The Lancet Global Health, 2016, 4, e806-e815.	6.3	138
20	Cost-effectiveness and resource implications of aggressive action on tuberculosis in China, India, and South Africa: a combined analysis of nine models. The Lancet Global Health, 2016, 4, e816-e826.	6.3	69
21	Life history traits and exploitation affect the spatial mean-variance relationship in fish abundance. Ecology, 2016, , .	3.2	1
22	Life history traits and exploitation affect the spatial mean-variance relationship in fish abundance. Ecology, 2015, 97, 1251-9.	3.2	17
23	Transmission modeling and health systems: the case of TB in India. International Health, 2015, 7, 114-120.	2.0	9
24	Effect of temperature and arsenic on Aeromonas hydrophila growth, a modelling approach. Biologia (Poland), 2014, 69, 825-833.	1.5	7
25	Observations and Models of Highly Intermittent Phytoplankton Distributions. PLoS ONE, 2014, 9, e94797.	2.5	21
26	A Realistic Host-Vector Transmission Model for Describing Malaria Prevalence Pattern. Bulletin of Mathematical Biology, 2013, 75, 2499-2528.	1.9	9
27	Exergy as an indicator: Observations of an aquatic ecosystem model. Ecological Informatics, 2012, 12, 1-9.	5.2	6
28	Mathematical models of malaria - a review. Malaria Journal, 2011, 10, 202.	2.3	253
29	Qualitative behavior of three species food chain around inner equilibrium point: spectral analysis. Nonlinear Analysis: Modelling and Control, 2010, 15, 459-472.	1.6	6
30	Study of biocomplexity in an aquatic ecosystem through ascendency. BioSystems, 2009, 95, 30-34.	2.0	5
31	Investigation of thermodynamic properties in an ecological model developing from ordered to chaotic states. Ecological Modelling, 2007, 204, 40-46.	2.5	12
32	Order to chaos and vice versa in an aquatic ecosystem. Ecological Modelling, 2006, 197, 498-504.	2.5	22