

Sandip Mandal

List of Publications by Year in descending order

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Version: 2024-02-01

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	Mathematical models of malaria - a review. <i>Malaria Journal</i> , 2011, 10, 202.	2.3	253
2	Prudent public health intervention strategies to control the coronavirus disease 2019 transmission in India: A mathematical model-based approach. <i>Indian Journal of Medical Research</i> , 2020, 151, 190.	1.0	219
3	Feasibility of achieving the 2025 WHO global tuberculosis targets in South Africa, China, and India: a combined analysis of 11 mathematical models. <i>The Lancet Global Health</i> , 2016, 4, e806-e815.	6.3	138
4	Cost-effectiveness and resource implications of aggressive action on tuberculosis in China, India, and South Africa: a combined analysis of nine models. <i>The Lancet Global Health</i> , 2016, 4, e816-e826.	6.3	69
5	Plausibility of a third wave of COVID-19 in India: A mathematical modelling based analysis. <i>Indian Journal of Medical Research</i> , 2021, 153, 522.	1.0	38
6	Counting the lives saved by DOTS in India: a model-based approach. <i>BMC Medicine</i> , 2017, 15, 47.	5.5	32
7	Order to chaos and vice versa in an aquatic ecosystem. <i>Ecological Modelling</i> , 2006, 197, 498-504.	2.5	22
8	Observations and Models of Highly Intermittent Phytoplankton Distributions. <i>PLoS ONE</i> , 2014, 9, e94797.	2.5	21
9	Life history traits and exploitation affect the spatial mean-variance relationship in fish abundance. <i>Ecology</i> , 2015, 97, 1251-9.	3.2	17
10	A 1D physical-biological model of the impact of highly intermittent phytoplankton distributions. <i>Journal of Plankton Research</i> , 2016, 38, 964-976.	1.8	16
11	Micro-scale variability enhances trophic transfer and potentially sustains biodiversity in plankton ecosystems. <i>Journal of Theoretical Biology</i> , 2017, 412, 86-93.	1.7	16
12	Micro-scale patchiness enhances trophic transfer efficiency and potential plankton biodiversity. <i>Scientific Reports</i> , 2019, 9, 17243.	3.3	15
13	India's pragmatic vaccination strategy against COVID-19: a mathematical modelling-based analysis. <i>BMJ Open</i> , 2021, 11, e048874.	1.9	15
14	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. <i>Journal of Global Health</i> , 2021, 11, 03083.	2.7	15
15	Ending TB in Southeast Asia: current resources are not enough. <i>BMJ Global Health</i> , 2020, 5, e002073.	4.7	13
16	Responsive and agile vaccination strategies against COVID-19 in India. <i>The Lancet Global Health</i> , 2021, 9, e1197-e1200.	6.3	13
17	Investigation of thermodynamic properties in an ecological model developing from ordered to chaotic states. <i>Ecological Modelling</i> , 2007, 204, 40-46.	2.5	12
18	A mathematical study to control Guinea worm disease: a case study on Chad. <i>Journal of Biological Dynamics</i> , 2018, 12, 846-871.	1.7	11

#	ARTICLE	IF	CITATIONS
19	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
20	A Realistic Host-Vector Transmission Model for Describing Malaria Prevalence Pattern. Bulletin of Mathematical Biology, 2013, 75, 2499-2528.	1.9	9
21	Transmission modeling and health systems: the case of TB in India. International Health, 2015, 7, 114-120.	2.0	9
22	Strategies for ending tuberculosis in the South-East Asian Region: A modelling approach. Indian Journal of Medical Research, 2019, 149, 517.	1.0	9
23	Effect of temperature and arsenic on Aeromonas hydrophila growth, a modelling approach. Biologia (Poland), 2014, 69, 825-833.	1.5	7
24	Micro-Scale Variability Impacts the Outcome of Competition Between Different Modeled Size Classes of Phytoplankton. Frontiers in Marine Science, 2019, 6, .	2.5	7
25	Exergy as an indicator: Observations of an aquatic ecosystem model. Ecological Informatics, 2012, 12, 1-9.	5.2	6
26	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
27	Study of biocomplexity in an aquatic ecosystem through ascendancy. BioSystems, 2009, 95, 30-34.	2.0	5
28	“Imperfect but useful”: pandemic response in the Global South can benefit from greater use of mathematical modelling. BMJ Global Health, 2022, 7, e008710.	4.7	3
29	Responsible travel to and within India during the COVID-19 pandemic. Journal of Travel Medicine, 2021, , .	3.0	2
30	Modeling the Combined Effects of Physiological Flexibility and Micro-Scale Variability for Plankton Ecosystem Dynamics. , 2019, , 527-535.		1
31	Life history traits and exploitation affect the spatial mean-variance relationship in fish abundance. Ecology, 2016, , .	3.2	1
32	DOES SENSITIVITY ANALYSIS VALIDATE BIOLOGICAL RELEVANCE OF PARAMETERS IN MODEL DEVELOPMENT? REVISITING TWO BASIC MALARIA MODELS. , 2017, , 187-203.		0