Tridip Sardar

List of Publications by Year
in descending order

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19	747	759233 12	794594 19
papers	citations	h-index	g-index

19	19	19	1111
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Invasive dynamics for a predatorâ€“prey system with Allee effect in both populations and a special emphasis on predator mortality. Chaos, 2021, 31, 033150.	2.5	12
2	Effective Lockdown and Role of Hospitalâ€Based COVIDâ€19 Transmission in Some Indian States: An Outbreak Risk Analysis. Risk Analysis, 2021, , .	2.7	6
3	Assessment of lockdown effect in some states and overall India: A predictive mathematical study on COVID-19 outbreak. Chaos, Solitons and Fractals, 2020, 139, 110078.	5.1	151
4	A realistic two-strain model for MERS-CoV infection uncovers the high risk for epidemic propagation. PLoS Neglected Tropical Diseases, 2020, 14, e0008065.	3.0	27
5	Estimation of growth regulation in natural populations by extended family of growth curve models with fractional order derivative: Case studies from the global population dynamics database. Ecological Informatics, 2019, 53, 100980.	5.2	5
6	A CHOLERA METAPOPULATION MODEL INTERLINKING MIGRATION WITH INTERVENTION STRATEGIES â€" A CASE STUDY OF ZIMBABWE (2008â€“2009). Journal of Biological Systems, 2019, 27, 185-223.	1.4	6
7	Impact of adult mosquito control on dengue prevalence in a multi-patch setting: A case study in Kolkata (2014â€“2015). Journal of Theoretical Biology, 2019, 478, 139-152.	1.7	14
8	An open challenge to advance probabilistic forecasting for dengue epidemics. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24268-24274.	7.1	136
9	Mathematical study of a memory induced biochemical system. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 1142-1149.	13.1	1
10	Mathematical analysis of a power-law form time dependent vector-borne disease transmission model. Mathematical Biosciences, 2017, 288, 109-123.	1.9	13
11	A Mathematical Study to Control Visceral Leishmaniasis: An Application to South Sudan. Bulletin of Mathematical Biology, 2017, 79, 1100-1134.	1.9	9
12	Global analysis of a periodic epidemic model on cholera in presence of bacteriophage. Mathematical Methods in the Applied Sciences, 2016, 39, 4181-4195.	2.3	4
13	Estimating dengue type reproduction numbers for two provinces of Sri Lanka during the period 2013â€“14. Virulence, 2016, 7, 187-200.	4.4	10
14	A generic model for a single strain mosquito-transmitted disease with memory on the host and the vector. Mathematical Biosciences, 2015, 263, 18-36.	1.9	77
15	Revisited Fisherâ€™s equation in a new outlook: A fractional derivative approach. Physica A: Statistical Mechanics and Its Applications, 2015, 438, 81-93.	2.6	38
16	Awareness programs control infectious disease â€“ Multiple delay induced mathematical model. Applied Mathematics and Computation, 2015, 251, 539-563.	2.2	83
17	A mathematical model of dengue transmission with memory. Communications in Nonlinear Science and Numerical Simulation, 2015, 22, 511-525.	3.3	96
18	An Optimal Cost Effectiveness Study on Zimbabwe Cholera Seasonal Data from 2008â€“2011. PLoS ONE, 2013, 8, e81231.	2.5	28

#	Article	IF	Citations
19	The solution of coupled fractional neutron diffusion equations with delayed neutrons. International Journal of Nuclear Energy Science and Technology, 2010, 5, 105.	0.0	31