Parthasakha Das

List of Publications by Year
in descending order

18 papers	**337** citations	840776 **11** h-index	888059 **17** g-index
18 all docs	**18** docs citations	**18** times ranked	**112** citing authors

#	Article	IF	Citations
1	Modelling and analysis of delayed tumour–immune system with hunting T-cells. Mathematics and Computers in Simulation, 2023, 203, 669-684.	4.4	12
2	Stochastic persistence and extinction in tumor-immune system perturbed by white noise. International Journal of Dynamics and Control, 2022, 10, 620-629.	2.5	4
3	Optimal control of behaviour and treatment in a nonautonomous SIR model. International Journal of Dynamical Systems and Differential Equations, 2021, 11, 108.	0.0	3
4	Chemical and biological control of parasite-borne disease Schistosomiasis: An impulsive optimal control approach. Nonlinear Dynamics, 2021, 104, 603-628.	5.2	10
5	Dynamics of COVID-19 transmission with comorbidity: a data driven modelling based approach. Nonlinear Dynamics, 2021, 106, 1197-1211.	5.2	27
6	Optimal control strategy for cancer remission using combinatorial therapy: A mathematical model-based approach. Chaos, Solitons and Fractals, 2021, 145, 110789.	5.1	25
7	Mathematical model of COVID-19 with comorbidity and controlling using non-pharmaceutical interventions and vaccination. Nonlinear Dynamics, 2021, 106, 1213-1227.	5.2	49
8	Stochastic dynamics of Michaelis–Menten kinetics based tumor-immune interactions. Physica A: Statistical Mechanics and Its Applications, 2020, 541, 123603.	2.6	25
9	Characterizing chaos and multifractality in noise-assisted tumor-immune interplay. Nonlinear Dynamics, 2020, 101, 675-685.	5.2	25
10	Exploring dynamical complexity in a time-delayed tumor-immune model. Chaos, 2020, 30, 123118.	2.5	29
11	Dynamics and control of multidrug-resistant bacterial infection in hospital with multiple delays. Communications in Nonlinear Science and Numerical Simulation, 2020, 89, 105279.	3.3	19
12	Optimal treatment strategies for delayed cancer-immune system with multiple therapeutic approach. Chaos, Solitons and Fractals, 2020, 136, 109806.	5.1	31
13	Dynamics of Effector -Tumor- Interleukin-2 Interactions with Monod-Haldane Immune Response and Treatments. Studies in Computational Intelligence, 2020, , 598-609.	0.9	2
14	Effects of delayed immune-activation in the dynamics of tumor-immune interactions. Mathematical Modelling of Natural Phenomena, 2020, 15, 45.	2.4	10
15	Control of Nipah virus outbreak in commercial pig-farm with biosecurity and culling. Mathematical Modelling of Natural Phenomena, 2020, 15, 64.	2.4	10
16	Delayed Feedback Controller based Finite Time Synchronization of Discontinuous Neural Networks with Mixed Time-Varying Delays. Neural Processing Letters, 2019, 49, 693-709.	3.2	15
17	An investigation on Michaelis - Menten kinetics based complex dynamics of tumor - immune interaction. Chaos, Solitons and Fractals, 2019, 128, 297-305.	5.1	25
18	An investigation on Monod–Haldane immune response based tumor-effector–interleukin-2 interactions with treatments. Applied Mathematics and Computation, 2019, 361, 536-551.	2.2	16