

Parthasakha Das

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

337
citations

840119

11
h-index

887659

17
g-index

18
all docs

18
docs citations

18
times ranked

112
citing authors

#	ARTICLE	IF	CITATIONS
1	Mathematical model of COVID-19 with comorbidity and controlling using non-pharmaceutical interventions and vaccination. <i>Nonlinear Dynamics</i> , 2021, 106, 1213-1227.	2.7	49
2	Optimal treatment strategies for delayed cancer-immune system with multiple therapeutic approach. <i>Chaos, Solitons and Fractals</i> , 2020, 136, 109806.	2.5	31
3	Exploring dynamical complexity in a time-delayed tumor-immune model. <i>Chaos</i> , 2020, 30, 123118.	1.0	29
4	Dynamics of COVID-19 transmission with comorbidity: a data driven modelling based approach. <i>Nonlinear Dynamics</i> , 2021, 106, 1197-1211.	2.7	27
5	An investigation on Michaelis - Menten kinetics based complex dynamics of tumor - immune interaction. <i>Chaos, Solitons and Fractals</i> , 2019, 128, 297-305.	2.5	25
6	Stochastic dynamics of Michaelis-Menten kinetics based tumor-immune interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 541, 123603.	1.2	25
7	Characterizing chaos and multifractality in noise-assisted tumor-immune interplay. <i>Nonlinear Dynamics</i> , 2020, 101, 675-685.	2.7	25
8	Optimal control strategy for cancer remission using combinatorial therapy: A mathematical model-based approach. <i>Chaos, Solitons and Fractals</i> , 2021, 145, 110789.	2.5	25
9	Dynamics and control of multidrug-resistant bacterial infection in hospital with multiple delays. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 89, 105279.	1.7	19
10	An investigation on Monod-Haldane immune response based tumor-effector-interleukin-2 interactions with treatments. <i>Applied Mathematics and Computation</i> , 2019, 361, 536-551.	1.4	16
11	Delayed Feedback Controller based Finite Time Synchronization of Discontinuous Neural Networks with Mixed Time-Varying Delays. <i>Neural Processing Letters</i> , 2019, 49, 693-709.	2.0	15
12	Modelling and analysis of delayed tumour-immune system with hunting T-cells. <i>Mathematics and Computers in Simulation</i> , 2023, 203, 669-684.	2.4	12
13	Chemical and biological control of parasite-borne disease Schistosomiasis: An impulsive optimal control approach. <i>Nonlinear Dynamics</i> , 2021, 104, 603-628.	2.7	10
14	Effects of delayed immune-activation in the dynamics of tumor-immune interactions. <i>Mathematical Modelling of Natural Phenomena</i> , 2020, 15, 45.	0.9	10
15	Control of Nipah virus outbreak in commercial pig-farm with biosecurity and culling. <i>Mathematical Modelling of Natural Phenomena</i> , 2020, 15, 64.	0.9	10
16	Stochastic persistence and extinction in tumor-immune system perturbed by white noise. <i>International Journal of Dynamics and Control</i> , 2022, 10, 620-629.	1.5	4
17	Optimal control of behaviour and treatment in a nonautonomous SIR model. <i>International Journal of Dynamical Systems and Differential Equations</i> , 2021, 11, 108.	0.2	3
18	Dynamics of Effector -Tumor- Interleukin-2 Interactions with Monod-Haldane Immune Response and Treatments. <i>Studies in Computational Intelligence</i> , 2020, , 598-609.	0.7	2