

# Debadatta Adak

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

258  
citations

933447

10  
h-index

996975

15  
g-index

19  
all docs

19  
docs citations

19  
times ranked

193  
citing authors

#	ARTICLE	IF	CITATIONS
1	Persistence and extinction criteria of Covid-19 pandemic: India as a case study. <i>Stochastic Analysis and Applications</i> , 2022, 40, 179-208.	1.5	4
2	Mitigating the transmission of infection and death due to SARS-CoV-2 through non-pharmaceutical interventions and repurposing drugs. <i>ISA Transactions</i> , 2022, 124, 236-246.	5.7	7
3	Optimal control in a multi-pathways HIV-1 infection model: a comparison between mono-drug and multi-drug therapies. <i>International Journal of Control</i> , 2021, 94, 2047-2064.	1.9	8
4	Phytoplankton-zooplankton interaction under environmental stochasticity: Survival, extinction and stability. <i>Applied Mathematical Modelling</i> , 2021, 89, 1382-1404.	4.2	24
5	Mathematical perspective of Covid-19 pandemic: Disease extinction criteria in deterministic and stochastic models. <i>Chaos, Solitons and Fractals</i> , 2021, 142, 110381.	5.1	31
6	Persistence and extinction of species in a disease-induced ecological system under environmental stochasticity. <i>Physical Review E</i> , 2021, 103, 032412.	2.1	7
7	Chaos in delay-induced Leslie-Gower prey-predator-parasite model and its control through prey harvesting. <i>Nonlinear Analysis: Real World Applications</i> , 2020, 51, 102998.	1.7	23
8	Accounting for multi-delay effects in an HIV-1 infection model with saturated infection rate, recovery and proliferation of host cells. <i>Biomath</i> , 2020, 9, .	0.7	1
9	Bifurcation analysis of a multidelayed HIV model in presence of immune response and understanding of in-host viral dynamics. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 4256-4272.	2.3	13
10	Analysis and computation of multi-pathways and multi-delays HIV-1 infection model. <i>Applied Mathematical Modelling</i> , 2018, 54, 517-536.	4.2	25
11	Dynamics of cytotoxic T-lymphocytes and helper cells in human immunodeficiency virus infection with Hill-type infection rate and sigmoidal CTL expansion. <i>Chaos, Solitons and Fractals</i> , 2017, 103, 52-67.	5.1	11
12	Switching from simple to complex dynamics in a predator-prey-parasite model: An interplay between infection rate and incubation delay. <i>Mathematical Biosciences</i> , 2016, 277, 1-14.	1.9	15
13	Role of precautionary measures in HIV epidemics: A mathematical assessment. <i>International Journal of Biomathematics</i> , 2016, 09, 1650096.	2.9	2
14	Complexity in a predator-prey-parasite model with nonlinear incidence rate and incubation delay. <i>Chaos, Solitons and Fractals</i> , 2015, 81, 271-289.	5.1	18
15	Complex dynamics of a predator-prey-parasite system: An interplay among infection rate, predator's reproductive gain and preference. <i>Ecological Complexity</i> , 2015, 22, 1-12.	2.9	19
16	Global analysis of HIV-1 dynamics with Hill type infection rate and intracellular delay. <i>Applied Mathematical Modelling</i> , 2014, 38, 5047-5066.	4.2	39
17	HOW SELF-PROLIFERATION OF CD4 <sup>+</sup> T CELLS AFFECT THE HIV DYNAMICS IN AN IN-HOST TARGET-CELL LIMITED HIV MODEL WITH SATURATION INFECTION RATE: A QUASI-STEADY-STATE APPROXIMATION ANALYSIS. <i>International Journal of Biomathematics</i> , 2013, 06, 1350004.	2.9	4