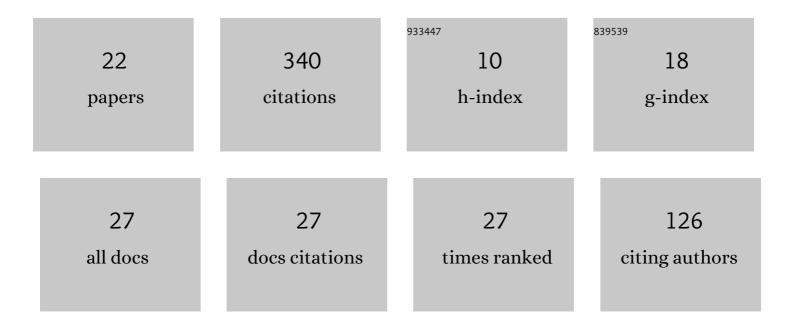
Amar Nath Chatterjee

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Long term dynamics in a mathematical model of HIV-1 infection with delay in different variants of the basic drug therapy model. Nonlinear Analysis: Real World Applications, 2013, 14, 1621-1633.	1.7	52
2	A fractional-order differential equation model of COVID-19 infection of epithelial cells. Chaos, Solitons and Fractals, 2021, 147, 110952.	5.1	41
3	SARS-CoV-2 infection with lytic and non-lytic immune responses: A fractional order optimal control theoretical study. Results in Physics, 2021, 26, 104260.	4.1	40
4	Anti-viral drug treatment along with immune activator IL-2: a control-based mathematical approach for HIV infection. International Journal of Control, 2012, 85, 220-237.	1.9	34
5	A Model for SARS-CoV-2 Infection with Treatment. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-11.	1.3	34
6	Dynamical demeanour of SARS-CoV-2 virus undergoing immune response mechanism in COVID-19 pandemic. European Physical Journal: Special Topics, 2022, 231, 3357-3370.	2.6	21
7	Optimal control strategies of non-pharmaceutical and pharmaceutical interventions for COVID-19 control. Journal of Interdisciplinary Mathematics, 2021, 24, 125-153.	0.7	18
8	A MATHEMATICAL MODEL ON CTL MEDIATED CONTROL OF HIV INFECTION IN A LONG-TERM DRUG THERAPY. Journal of Biological Systems, 2013, 21, 1350019.	1.4	14
9	Mathematical Modeling and Control of the Cell Dynamics in Leprosy. Computational Mathematics and Modeling, 2021, 32, 52-74.	0.5	13
10	A Fractional-Order Compartmental Model of Vaccination for COVID-19 with the Fear Factor. Mathematics, 2022, 10, 1451.	2.2	12
11	Effect of DAA therapy in hepatitis C treatment — an impulsive control approach. Mathematical Biosciences and Engineering, 2021, 18, 1450-1464.	1.9	11
12	Human immunodeficiency virus/acquired immune deficiency syndrome: Using drug from mathematical perceptive. World Journal of Virology, 2015, 4, 356.	2.9	10
13	The effect of vaccination to dendritic cell and immune cell interaction in HIV disease progression. International Journal of Biomathematics, 2016, 09, 1650005.	2.9	8
14	Effect of an antiviral drug control and its variable order fractional network in host COVID-19 kinetics. European Physical Journal: Special Topics, 2022, 231, 1915-1929.	2.6	8
15	Smoking habit: a bio mathematical study. Communications in Mathematical Biology and Neuroscience, 0, , .	0.0	2
16	The Effect of Pulse Vaccination on the Transmission Dynamics of Rotavirus Diarrhea. Journal of Chemical Environmental and Biological Engineering, 2018, 2, 26.	0.2	1
17	Modelling of contact tracing in determining critical community size for infectious diseases. Chaos, Solitons and Fractals, 2022, 159, 112141.	5.1	1
18	Role of immune effector responses during HCV infection: a mathematical study. , 2022, , 231-245.		1

Role of immune effector responses during HCV infection: a mathematical study. , 2022, , 231-245. 18

#	Article	IF	CITATIONS
19	Reduction of HIV Infection that Includes a Delay with Cure Rate During Long Term Treatment: A Mathematical Study. Lecture Notes in Electrical Engineering, 2011, , 699-713.	0.4	0
20	Immune Cell Response to Negative Feedback Effect on HIV. Biomedical Engineering Research, 2013, , 37-47.	0.2	0
21	The effect of immune responses in HCV disease progression. Engineering Mathematics Letters, 0, , .	0.0	0
22	A model analysis to measure the adherence of Etanercept and Fezakinumab therapy for the treatment of psoriasis. Nonlinear Analysis: Modelling and Control, 0, 27, 1-21.	1.6	0