

# Md. Haider Ali Biswas

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

391  
citations

933264

10  
h-index

839398

18  
g-index

37  
all docs

37  
docs citations

37  
times ranked

268  
citing authors

#	ARTICLE	IF	CITATIONS
1	A SEIR model for control of infectious diseases with constraints. <i>Mathematical Biosciences and Engineering</i> , 2014, 11, 761-784.	1.0	138
2	A mathematical analysis for controlling the spread of Nipah virus infection. <i>International Journal of Modelling and Simulation</i> , 2017, 37, 185-197.	2.3	31
3	AIDS epidemic worldwide and the millennium development strategies: A light for lives. <i>HIV and AIDS Review</i> , 2012, 11, 87-94.	0.1	24
4	On the Evolution of AIDS/HIV Treatment: An Optimal Control Approach. <i>Current HIV Research</i> , 2014, 12, 1-12.	0.2	19
5	A mathematical model applied to investigate the potential impact of global warming on marine ecosystems. <i>Applied Mathematical Modelling</i> , 2022, 101, 19-37.	2.2	18
6	Optimal control strategies for preventing hepatitis B infection and reducing chronic liver cirrhosis incidence. <i>Infectious Disease Modelling</i> , 2020, 5, 91-110.	1.2	17
7	Qualitative Analysis and Optimal Control Strategy of an SIR Model with Saturated Incidence and Treatment. <i>Differential Equations and Dynamical Systems</i> , 2023, 31, 53-67.	0.5	15
8	Effects on prey-predator with different functional responses. <i>International Journal of Biomathematics</i> , 2017, 10, 1750113.	1.5	12
9	Modeling the potential impact of climate change on living beings near coastal areas. <i>Modeling Earth Systems and Environment</i> , 2021, 7, 1783-1796.	1.9	12
10	Mathematical Modeling Applied to Sustainable Management of Marine Resources. <i>Procedia Engineering</i> , 2017, 194, 337-344.	1.2	10
11	Optimal control strategy for the immunotherapeutic treatment of HIV infection with state constraint. <i>Optimal Control Applications and Methods</i> , 2019, 40, 807-818.	1.3	10
12	Mathematical analysis and optimal control applied to the treatment of leukemia. <i>Journal of Applied Mathematics and Computing</i> , 2020, 64, 331-353.	1.2	9
13	A maximum principle for optimal control problems with state and mixed constraints. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2015, 21, 939-957.	0.7	8
14	Modeling the effect of adoptive T cell therapy for the treatment of leukemia. <i>Computational and Mathematical Methods</i> , 2020, 2, e1069.	0.3	8
15	The Impact of Media Awareness in Controlling the Spread of Infectious Diseases in Terms of SIR Model. <i>Mathematical Modelling of Engineering Problems</i> , 2020, 7, 368-376.	0.3	7
16	Modeling the optimal mitigation of potential impact of climate change on coastal ecosystems. <i>Heliyon</i> , 2021, 7, e07401.	1.4	6
17	Production and process management: An optimal control approach. <i>Yugoslav Journal of Operations Research</i> , 2016, 26, 331-342.	0.5	5
18	Universal Pre-Primary Education: A Comparative Study. <i>American Journal of Educational Research</i> , 2013, 1, 31-36.	0.1	5

#	ARTICLE	IF	CITATIONS
19	A mathematical model for understanding the spread of nipah fever epidemic in Bangladesh. , 2015, , .		4
20	Nonlinear Dynamical Systems in Modeling and Control of Infectious Disease. Springer Proceedings in Mathematics and Statistics, 2016, , 149-158.	0.1	4
21	Mathematical modeling applied to renewable fishery management. Mathematical Modelling of Engineering Problems, 2019, 6, 121-128.	0.3	4
22	Mathematical Approach with Optimal Control: Reduction of Unemployment Problem in Bangladesh. Journal of Applied Nonlinear Dynamics, 2020, 9, 231-246.	0.1	4
23	Modelling the Effect of Self-Immunity and the Impacts of Asymptomatic and Symptomatic Individuals on COVID-19 Outbreak. CMES - Computer Modeling in Engineering and Sciences, 2020, 125, 1033-1060.	0.8	4
24	Mathematical Model Applied to Green Building Concept for Sustainable Cities Under Climate Change. Journal of Contemporary Urban Affairs, 2021, 6, 36-50.	0.5	3
25	Effect of Poaching on Tiger-Deer interaction Model with Ratio-Dependent Functional Response in the Sundarbans Ecosystem. Journal of Applied Nonlinear Dynamics, 2020, 9, 415-425.	0.1	2
26	A variant of nonsmooth maximum principle for state constrained problems. , 2012, , .		1
27	Optimal control strategies applied to reduce the unemployed population. , 2017, , .		1
28	Modeling with strategies to control the adverse effects of global warming on marine ecosystems. Modeling Earth Systems and Environment, 2022, 8, 3073-3088.	1.9	1
29	Maximum principle for state and mixed constrained problems with equality and inequality mixed constraints: Convex case. , 2013, , .		0
30	Killing Forms and Applications. Journal of Applied Sciences, 2005, 5, 859-861.	0.1	0
31	Interactive Effects of Disease Transmission on Predator-Prey Model. Journal of Applied Nonlinear Dynamics, 2020, 9, 401-413.	0.1	0
32	A Study on the Application of Optimal Control in a Bioeconomic System. Differential Equations and Dynamical Systems, 0, , 1.	0.5	0
33	Effect of External Wastage and Illegal Harvesting on the Fishery Model of the Halda River Ecosystem in Bangladesh. Journal of Applied Nonlinear Dynamics, 2022, 11, .	0.1	0