

# Mainul Haque

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8060577/publications.pdf>

Version: 2024-02-01

46  
papers

1,541  
citations

257101

24  
h-index

315357

38  
g-index

46  
all docs

46  
docs citations

46  
times ranked

859  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of adding variable prey refuge and an Allee effect to a predator–prey model. AEJ - Alexandria Engineering Journal, 2022, 61, 4175-4188.	3.4	16
2	Modelling the dynamics of Pine Wilt Disease with asymptomatic carriers and optimal control. Scientific Reports, 2020, 10, 11412.	1.6	6
3	Management of primary blast lung injury: a comparison of airway pressure release versus low tidal volume ventilation. Intensive Care Medicine Experimental, 2020, 8, 26.	0.9	11
4	Mathematical modelling of a microRNA-regulated gene network in <i>Caenorhabditis elegans</i> . Mathematical Biosciences and Engineering, 2020, 17, 2881-2904.	1.0	1
5	Primary blast lung injury simulator: a new computerised model. Journal of the Royal Army Medical Corps, 2019, 165, 45-50.	0.8	5
6	Bifurcation analysis in a predator–prey system with a functional response increasing in both predator and prey densities. Nonlinear Dynamics, 2018, 94, 1639-1656.	2.7	31
7	Hemodynamic effects of lung recruitment maneuvers in acute respiratory distress syndrome. BMC Pulmonary Medicine, 2017, 17, 34.	0.8	32
8	Dynamics of a three species ratio-dependent food chain model with intra-specific competition within the top predator. Computers in Biology and Medicine, 2017, 85, 63-74.	3.9	28
9	Creating virtual ARDS patients. , 2016, 2016, 2729-2732.		4
10	High PEEP in acute respiratory distress syndrome: quantitative evaluation between improved arterial oxygenation and decreased oxygen delivery. British Journal of Anaesthesia, 2016, 117, 650-658.	1.5	41
11	Patterns formations in a diffusive ratio-dependent predator–prey model of interacting populations. Physica A: Statistical Mechanics and Its Applications, 2016, 461, 374-383.	1.2	18
12	Development of an integrated model of cardiovascular and pulmonary physiology for the evaluation of mechanical ventilation strategies. , 2015, 2015, 5319-22.		8
13	Evaluation of lung recruitment maneuvers in acute respiratory distress syndrome using computer simulation. Critical Care, 2015, 19, 8.	2.5	32
14	Dynamics of a predator–prey model with disease in the predator. Mathematical Methods in the Applied Sciences, 2014, 37, 2429-2450.	1.2	26
15	Can computer simulators accurately represent the pathophysiology of individual COPD patients?. Intensive Care Medicine Experimental, 2014, 2, 23.	0.9	19
16	Persistence and global stability of Bazykin predator–prey model with Beddington–DeAngelis response function. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 189-209.	1.7	38
17	Effect of a functional response-dependent prey refuge in a predator–prey model. Ecological Complexity, 2014, 20, 248-256.	1.4	29
18	Comparing functional responses in predator-infected eco-epidemics models. BioSystems, 2013, 114, 98-117.	0.9	19

#	ARTICLE	IF	CITATIONS
19	Study of a tri-trophic prey-dependent food chain model of interacting populations. <i>Mathematical Biosciences</i> , 2013, 246, 55-71.	0.9	26
20	Existence of complex patterns in the Beddingtonâ€“DeAngelis predatorâ€“prey model. <i>Mathematical Biosciences</i> , 2012, 239, 179-190.	0.9	42
21	Ratio-dependent predatorâ€“prey model of interacting population with delay effect. <i>Nonlinear Dynamics</i> , 2012, 69, 817-836.	2.7	25
22	Spatial patterns of a predator-prey model with cross diffusion. <i>Nonlinear Dynamics</i> , 2012, 69, 1631-1638.	2.7	75
23	The spatial patterns through diffusion-driven instability in a predatorâ€“prey model. <i>Applied Mathematical Modelling</i> , 2012, 36, 1825-1841.	2.2	40
24	Transgenic nematodes as biosensors for metal stress in soil pore water samples. <i>Ecotoxicology</i> , 2012, 21, 439-455.	1.1	47
25	Effect of delay in a Lotkaâ€“Volterra type predatorâ€“prey model with a transmissible disease in the predator species. <i>Mathematical Biosciences</i> , 2011, 234, 47-57.	0.9	49
26	A detailed study of the Beddingtonâ€“DeAngelis predatorâ€“prey model. <i>Mathematical Biosciences</i> , 2011, 234, 1-16.	0.9	89
27	Global stability and persistence in LGâ€“Holling type II diseased predator ecosystems. <i>Journal of Biological Physics</i> , 2011, 37, 91-106.	0.7	31
28	A Leslie-Gower Holling-type II ecoepidemic model. <i>Journal of Applied Mathematics and Computing</i> , 2011, 35, 263-280.	1.2	32
29	Impulsive perturbations in a periodic delay differential equation model of plankton allelopathy. <i>Nonlinear Analysis: Real World Applications</i> , 2010, 11, 432-445.	0.9	28
30	A predatorâ€“prey model with disease in the predator species only. <i>Nonlinear Analysis: Real World Applications</i> , 2010, 11, 2224-2236.	0.9	78
31	When a predator avoids infected prey: a model-based theoretical study. <i>Mathematical Medicine and Biology</i> , 2010, 27, 75-94.	0.8	43
32	An ecoepidemiological predatorâ€“prey model with standard disease incidence. <i>Mathematical Methods in the Applied Sciences</i> , 2009, 32, 875-898.	1.2	61
33	Ratio-Dependent Predator-Prey Models of Interacting Populations. <i>Bulletin of Mathematical Biology</i> , 2009, 71, 430-452.	0.9	119
34	An impulsive predatorâ€“prey model with communicable disease in the prey species only. <i>Nonlinear Analysis: Real World Applications</i> , 2009, 10, 3098-3111.	0.9	22
35	Analysis of a Leslieâ€“Gower-type preyâ€“predator model with periodic impulsive perturbations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 3412-3423.	1.7	17
36	The Stress-Response Network in Animals: Proposals to Develop a Predictive Mathematical Model. <i>The Open Toxicology Journal</i> , 2009, 2, 71-76.	1.0	12

#	ARTICLE	IF	CITATIONS
37	A Ratio-Dependent Predator-Prey Model with Logistic Growth for the Predator Population. , 2008, , .		2
38	EFFECT OF PARASITIC INFECTION IN THE LESLIEâ€“GOWER PREDATORâ€“PREY MODEL. Journal of Biological Systems, 2008, 16, 425-444.	0.5	12
39	PULSE VACCINATION IN THE PERIODIC INFECTION RATE SIR EPIDEMIC MODEL. International Journal of Biomathematics, 2008, 01, 409-432.	1.5	32
40	Role of transmissible disease in an infected prey-dependent predatorâ€“prey system. Mathematical and Computer Modelling of Dynamical Systems, 2007, 13, 163-178.	1.4	20
41	The SIS Epidemic Model with Impulsive Effects. , 2007, , .		2
42	A predatorâ€“prey model with disease in the prey species only. Mathematical Methods in the Applied Sciences, 2007, 30, 911-929.	1.2	81
43	An ecoepidemiological model with disease in predator: the ratio-dependent case. Mathematical Methods in the Applied Sciences, 2007, 30, 1791-1809.	1.2	84
44	The role of transmissible diseases in the Hollingâ€“Tanner predatorâ€“prey model. Theoretical Population Biology, 2006, 70, 273-288.	0.5	97
45	GLOBAL STABILITY ANALYSIS OF AN ECO-EPIDEMIOLOGICAL MODEL OF THE SALTON SEA. Journal of Biological Systems, 2006, 14, 373-385.	0.5	11
46	Trends in Tourism Accommodation Investment in Australia. Advances in Hospitality and Leisure, 0, , 215-238.	0.2	0