

# Bapan Ghosh

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

484  
citations

687363

13  
h-index

713466

21  
g-index

25  
all docs

25  
docs citations

25  
times ranked

208  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainability and optimal control of an exploited prey predator system through provision of alternative food to predator. <i>BioSystems</i> , 2012, 109, 220-232.	2.0	64
2	Impacts of maximum sustainable yield policy to prey-predator systems. <i>Ecological Modelling</i> , 2013, 250, 134-142.	2.5	42
3	Sustainable use of prey species in a prey-predator system: Jointly determined ecological thresholds and economic trade-offs. <i>Ecological Modelling</i> , 2014, 272, 49-58.	2.5	42
4	Possible ecosystem impacts of applying maximum sustainable yield policy in food chain models. <i>Journal of Theoretical Biology</i> , 2013, 329, 6-14.	1.7	33
5	Explicit impacts of harvesting in delayed predator-prey models. <i>Chaos, Solitons and Fractals</i> , 2019, 122, 213-228.	5.1	28
6	Relationship between exploitation, oscillation, MSY and extinction. <i>Mathematical Biosciences</i> , 2014, 256, 1-9.	1.9	26
7	Harvesting induced stability and instability in a tri-trophic food chain. <i>Mathematical Biosciences</i> , 2018, 304, 89-99.	1.9	22
8	Maximum sustainable yield and species extinction in a prey-predator system: some new results. <i>Journal of Biological Physics</i> , 2013, 39, 453-467.	1.5	20
9	Sustainability and economic consequences of creating marine protected areas in multispecies multiactivity context. <i>Journal of Theoretical Biology</i> , 2013, 318, 81-90.	1.7	20
10	Impact of species enrichment and fishing mortality in three species food chain models. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 29, 208-223.	3.3	17
11	Sustainability of exploited ecologically interdependent species. <i>Population Ecology</i> , 2014, 56, 527-537.	1.2	16
12	Biological conservation through marine protected areas in the presence of alternative stable states. <i>Mathematical Biosciences</i> , 2017, 286, 49-57.	1.9	15
13	Hydra effects in stable food chain models. <i>BioSystems</i> , 2019, 185, 104018.	2.0	15
14	Bifurcations and hydra effects in Bazykin's predator-prey model. <i>Theoretical Population Biology</i> , 2021, 140, 44-53.	1.1	15
15	Dynamics of a discrete-time stage-structured predator-prey system with Holling type II response function. <i>Nonlinear Dynamics</i> , 2019, 98, 427-446.	5.2	14
16	Dynamics of a spatially coupled model with delayed prey dispersal. <i>International Journal of Modelling and Simulation</i> , 2022, 42, 400-414.	3.3	14
17	Natural enemies deployment in patchy environments for augmentative biological control. <i>Applied Mathematics and Computation</i> , 2015, 266, 982-999.	2.2	11
18	Dynamics of stage-structure predator-prey systems under density-dependent effect and mortality. <i>Ecological Complexity</i> , 2020, 41, 100812.	2.9	11

#	ARTICLE	IF	CITATIONS
19	Delayed carrying capacity induced subcritical and supercritical Hopf bifurcations in a predator-prey system. <i>Mathematics and Computers in Simulation</i> , 2022, 195, 171-196.	4.4	11
20	Extinction scenarios in exploited system: Combined and selective harvesting approaches. <i>Ecological Complexity</i> , 2014, 19, 130-139.	2.9	10
21	Managing yield and resilience in a harvested tri-trophic food chain model. <i>Journal of Theoretical Biology</i> , 2019, 469, 35-46.	1.7	10
22	Stability switching and hydra effect in a predator-prey metapopulation model. <i>BioSystems</i> , 2020, 198, 104255.	2.0	10
23	Role of time delay and harvesting in some predator-prey communities with different functional responses and intra-species competition. <i>International Journal of Modelling and Simulation</i> , 2022, 42, 883-901.	3.3	10
24	Balancing maximum sustainable yield and ecological resilience in an exploited two-predator one-prey system. <i>BioSystems</i> , 2020, 187, 104064.	2.0	7
25	Bifurcations and feedback control of a stage-structure exploited prey-predator system. <i>International Journal of Engineering, Science and Technology</i> , 2011, 2, .	0.6	1