Jai Prakash Tripathi

List of Publications by Year
in descending order

35	770	516215	525886
papers	citations	16	27
		h-index	g-index

37	37	37	408
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Hard Lessons and Shifting Modeling Trends of COVID-19 Dynamics: Multiresolution Modeling Approach. Bulletin of Mathematical Biology, 2022, 84, 3.	0.9	11
2	Modeling the cost of antipredator strategy in a predatorprey system: The roles of indirect effect. Mathematical Methods in the Applied Sciences, 2022, 45, 4365-4396.	1.2	10
3	Modeling the impacts of awareness and limited medical resources on the epidemic size of a multi-group SIR epidemic model. International Journal of Biomathematics, 2022, 15, .	1.5	4
4	A widespread interaction between generalist and specialist enemies: The role of intraguild predation and Allee effect. Applied Mathematical Modelling, 2021, 89, 105-135.	2.2	14
5	Mathematical modeling of intervention and low medical resource availability with delays: Applications to COVID-19 outbreaks in Spain and Italy. Mathematical Biosciences and Engineering, 2021, 18, 5865-5920.	1.0	16
6	Dynamical analysis and effects of law enforcement in a social interaction model. Physica A: Statistical Mechanics and Its Applications, 2021, 567, 125725.	1.2	5
7	SIRS epidemiological model with ratiodependent incidence: Influence of preventive vaccination and treatment control strategies on disease dynamics. Mathematical Methods in the Applied Sciences, 2021, 44, 14703-14732.	1.2	4
8	Global Dynamics of a Multi-group SEIR Epidemic Model with Infection Age. Chinese Annals of Mathematics Series B, 2021, 42, 833-860.	0.2	23
9	Almost periodic solution and global attractivity for a density dependent predator-prey system with mutual interference and Crowley–Martin response function. Differential Equations and Dynamical Systems, 2020, 28, 19-37.	0.5	10
10	Stability and Hopf bifurcation analysis of an SVEIR epidemic model with vaccination and multiple time delays. Chaos, Solitons and Fractals, 2020, 131, 109483.	2.5	42
11	Modeling the fear effect and stability of non-equilibrium patterns in mutually interfering predator–prey systems. Applied Mathematics and Computation, 2020, 371, 124948.	1.4	19
12	Mathematical modeling of COVID-19: Impact of non-pharmaceutical interventions in India. Chaos, 2020, 30, 113143.	1.0	32
13	Intraspecific competition of predator for prey with variable rates in protected areas. Nonlinear Dynamics, 2020, 102, 511-535.	2.7	8
14	A predator–prey model with Crowley–Martin functional response: A nonautonomous study. Natural Resource Modelling, 2020, 33, e12287.	0.8	8
15	Exploring Complex Dynamics of Spatial Predator–Prey System: Role of Predator Interference and Additional Food. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050102.	0.7	3
16	Growth of tumor due to Arsenic and its mitigation by black tea in Swiss albino mice. AEJ - Alexandria Engineering Journal, 2020, 59, 1345-1357.	3.4	4
17	Predator–prey interaction system with mutually interfering predator: role of feedback control. Applied Mathematical Modelling, 2020, 87, 222-244.	2.2	7
18	Mathematical modeling of COVID-19 transmission: the roles of intervention strategies and lockdown. Mathematical Biosciences and Engineering, 2020, 17, 5961-5986.	1.0	50

#	Article	IF	Citations
19	Qualitative analysis of a diffusive Crowley–Martin predator–prey model: the role of nonlinear predator harvesting. Nonlinear Dynamics, 2019, 98, 1169-1189.	2.7	17
20	A Delayed Non-autonomous Predator-Prey Model with Crowley-Martin Functional Response. Communications in Computer and Information Science, 2018, , 164-173.	0.4	0
21	A modified Leslie–Gower predator-prey interaction model and parameter identifiability. Communications in Nonlinear Science and Numerical Simulation, 2018, 54, 331-346.	1.7	20
22	Dynamical analysis of a predator-prey interaction model with time delay and prey refuge. Nonautonomous Dynamical Systems, 2018, 5, 138-151.	0.3	8
23	Global dynamics and parameter identifiability in a predator-prey interaction model. Nonautonomous Dynamical Systems, 2018, 5, 113-126.	0.3	1
24	Interaction between prey and mutually interfering predator in prey reserve habitat: Pattern formation and the Turing–Hopf bifurcation. Journal of the Franklin Institute, 2018, 355, 7466-7489.	1.9	22
25	A Beddington–DeAngelis type one-predator two-prey competitive system with help. Nonlinear Dynamics, 2018, 94, 553-573.	2.7	18
26	Dynamical analysis of a model of social behavior: Criminal vs non-criminal population. Chaos, Solitons and Fractals, 2017, 98, 121-129.	2.5	21
27	Do prey handling predators really matter: Subtle effects of a Crowley-Martin functional response. Chaos, Solitons and Fractals, 2017, 103, 410-421.	2.5	30
28	Impact of generalist type sexually reproductive top predator interference on the dynamics of a food chain model. International Journal of Dynamics and Control, 2017, 5, 999-1009.	1.5	16
29	Global dynamics of autonomous and nonautonomous SI epidemic models with nonlinear incidence rate and feedback controls. Nonlinear Dynamics, 2016, 86, 337-351.	2.7	37
30	Global analysis of a delayed density dependent predator–prey model with Crowley–Martin functional response. Communications in Nonlinear Science and Numerical Simulation, 2016, 30, 45-69.	1.7	102
31	Dynamical analysis of a prey–predator model with Beddington–DeAngelis type function response incorporating a prey refuge. Nonlinear Dynamics, 2015, 80, 177-196.	2.7	92
32	A density dependent delayed predator–prey model with Beddington–DeAngelis type function response incorporating a prey refuge. Communications in Nonlinear Science and Numerical Simulation, 2015, 22, 427-450.	1.7	59
33	Almost Periodicity of a Modified Leslie–Gower Predator–Prey System with Crowley–Martin Functional Response. Springer Proceedings in Mathematics and Statistics, 2015, , 309-317.	0.1	6
34	Local and global stability analysis of a two prey one predator model with help. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 3284-3297.	1.7	39
35	Stability analysis of two prey one predator model. , 2012, , .		12

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