

Pankaj Kumar Tiwari

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

762
citations

516710

16
h-index

580821

25
g-index

41
all docs

41
docs citations

41
times ranked

249
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of social media advertisements on the transmission dynamics of COVID-19 pandemic in India. <i>Journal of Applied Mathematics and Computing</i> , 2022, 68, 19-44.	2.5	101
2	Dynamics of coronavirus pandemic: effects of community awareness and global information campaigns. <i>European Physical Journal Plus</i> , 2021, 136, 994.	2.6	63
3	A mathematical model for the impacts of face mask, hospitalization and quarantine on the dynamics of COVID-19 in India: deterministic vs. stochastic. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 182-213.	1.9	45
4	A simple SI-type model for HIV/AIDS with media and self-imposed psychological fear. <i>Mathematical Biosciences</i> , 2018, 306, 160-169.	1.9	43
5	A delay nonautonomous model for the impacts of fear and refuge in a three species food chain model with hunting cooperation. <i>Mathematics and Computers in Simulation</i> , 2022, 192, 136-166.	4.4	38
6	Effect of active case finding on dengue control: Implications from a mathematical model. <i>Journal of Theoretical Biology</i> , 2019, 464, 50-62.	1.7	34
7	Delay-induced chaos and its possible control in a seasonally forced eco-epidemiological model with fear effect and predator switching. <i>Nonlinear Dynamics</i> , 2021, 104, 2901-2930.	5.2	34
8	A systematic study of autonomous and nonautonomous predator-prey models for the combined effects of fear, refuge, cooperation and harvesting. <i>European Physical Journal Plus</i> , 2022, 137, .	2.6	26
9	A NONAUTONOMOUS MODEL FOR THE INTERACTIVE EFFECTS OF FEAR, REFUGE AND ADDITIONAL FOOD IN A PREY-PREDATOR SYSTEM. <i>Journal of Biological Systems</i> , 2021, 29, 107-145.	1.4	25
10	Dynamics of algae blooming: effects of budget allocation and time delay. <i>Nonlinear Dynamics</i> , 2020, 100, 1779-1807.	5.2	24
11	Impact of saturated treatments on HIV-TB dual epidemic as a consequence of COVID-19: optimal control with awareness and treatment. <i>Nonlinear Dynamics</i> , 2022, 109, 143-176.	5.2	22
12	Chaos in a nonautonomous eco-epidemiological model with delay. <i>Applied Mathematical Modelling</i> , 2020, 79, 865-880.	4.2	21
13	A nonautonomous model for the effect of environmental toxins on plankton dynamics. <i>Nonlinear Dynamics</i> , 2020, 99, 3373-3405.	5.2	21
14	A DELAY NONAUTONOMOUS PREDATOR-PREY MODEL FOR THE EFFECTS OF FEAR, REFUGE AND HUNTING COOPERATION. <i>Journal of Biological Systems</i> , 2021, 29, 927-969.	1.4	20
15	An investigation of delay induced stability transition in nutrient-plankton systems. <i>Chaos, Solitons and Fractals</i> , 2021, 142, 110474.	5.1	18
16	Modeling the effect of literacy and social media advertisements on the dynamics of infectious diseases. <i>Mathematical Biosciences and Engineering</i> , 2020, 17, 5812-5848.	1.9	18
17	Effect of Multiple Delays in an Eco-Epidemiological Model with Strong Allee Effect. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1750167.	1.7	17
18	CHAOS IN A NONAUTONOMOUS MODEL FOR THE INTERACTIONS OF PREY AND PREDATOR WITH EFFECT OF WATER LEVEL FLUCTUATION. <i>Journal of Biological Systems</i> , 2020, 28, 865-900.	1.4	16

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19	A nonautonomous model for the effects of refuge and additional food on the dynamics of phytoplankton-zooplankton system. <i>Ecological Complexity</i> , 2021, 46, 100927.	2.9	16
20	Effects of zooplankton selectivity on phytoplankton in an ecosystem affected by free-viruses and environmental toxins. <i>Mathematical Biosciences and Engineering</i> , 2020, 17, 1272-1317.	1.9	14
21	Dynamics of Infectious Diseases: Local Versus Global Awareness. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021, 31, 2150102.	1.7	13
22	Effects of fear, refuge and hunting cooperation in a seasonally forced eco-epidemic model with selective predation. <i>European Physical Journal Plus</i> , 2022, 137, 1.	2.6	12
23	A mathematical study to control Guinea worm disease: a case study on Chad. <i>Journal of Biological Dynamics</i> , 2018, 12, 846-871.	1.7	11
24	Effects of toxicity and zooplankton selectivity on plankton dynamics under seasonal patterns of viruses with time delay. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 585-617.	2.3	11
25	A delay non-autonomous model for the combined effects of fear, prey refuge and additional food for predator. <i>Journal of Biological Dynamics</i> , 2021, 15, 580-622.	1.7	11
26	Modeling the avoidance behavior of zooplankton on phytoplankton infected by free viruses. <i>Journal of Biological Physics</i> , 2020, 46, 1-31.	1.5	10
27	A systematic study of autonomous and nonautonomous predator-prey models with combined effects of fear, migration and switching. <i>Nonlinear Dynamics</i> , 2021, 103, 2125-2162.	5.2	10
28	The time delays influence on the dynamical complexity of algal blooms in the presence of bacteria. <i>Ecological Complexity</i> , 2019, 39, 100769.	2.9	8
29	Delay in budget allocation for vaccination and awareness induces chaos in an infectious disease model. <i>Journal of Biological Dynamics</i> , 2021, 15, 395-429.	1.7	8
30	MODELING THE DIRECT AND INDIRECT EFFECTS OF POLLUTANTS ON THE SURVIVAL OF FISH IN WATER BODIES. <i>Journal of Biological Systems</i> , 2017, 25, 521-543.	1.4	7
31	Impact of awareness on environmental toxins affecting plankton dynamics: a mathematical implication. <i>Journal of Applied Mathematics and Computing</i> , 2021, 66, 369-395.	2.5	7
32	MODELING THE CONTROL OF BACTERIAL DISEASE BY SOCIAL MEDIA ADVERTISEMENTS: EFFECTS OF AWARENESS AND SANITATION. <i>Journal of Biological Systems</i> , 2022, 30, 51-92.	1.4	7
33	EFFECT OF ADDITIONAL FOOD ON PREDATOR-PREY INTERACTIONS WITH WATER-LEVEL FLUCTUATION. <i>Journal of Biological Systems</i> , 2021, 29, 995-1022.	1.4	7
34	A mathematical model to restore water quality in urban lakes using Phoslock. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2021, 26, 3143.	0.9	5
35	Effect of seasonality on a nutrient-plankton system with toxicity in the presence of refuge and additional food. <i>European Physical Journal Plus</i> , 2022, 137, 1.	2.6	5
36	A Mathematical Model for the Effects of Nitrogen and Phosphorus on Algal Blooms. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1950129.	1.7	4

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37	EFFECT OF TIME DELAY IN A CANNIBALISTIC STAGE-STRUCTURED PREDATORâ€“PREY MODEL WITH HARVESTING OF AN ADULT PREDATOR: THE CASE OF LIONFISH. <i>Journal of Biological Systems</i> , 2019, 27, 447-486.	1.4	4
38	Effects of incubation and gestation periods in a preyâ€“predator model with infection in prey. <i>Mathematics and Computers in Simulation</i> , 2021, 190, 449-473.	4.4	3
39	HUMAN POPULATION EFFECTS ON THE ULSOOR LAKE FISH SURVIVAL. <i>Journal of Biological Systems</i> , 2018, 26, 603-632.	1.4	2
40	Modeling the impact of early case detection on dengue transmission: deterministic vs. stochastic. <i>Stochastic Analysis and Applications</i> , 2021, 39, 434-455.	1.5	1
41	Impacts of transpiration of agricultural crops and seeding on rainfall: Implications from a mathematical model. <i>International Journal of Biomathematics</i> , 0, , .	2.9	0