

# Prashant Kumar Srivastava

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

291  
citations

1039406

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h-index

1058022

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

156  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling the role of information and limited optimal treatment on disease prevalence. Journal of Theoretical Biology, 2017, 414, 103-119.	0.8	66
2	Vaccination and treatment as control interventions in an infectious disease model with their cost optimization. Communications in Nonlinear Science and Numerical Simulation, 2017, 44, 334-343.	1.7	50
3	A mathematical model for the impacts of face mask, hospitalization and quarantine on the dynamics of COVID-19 in India: deterministic vs. stochastic. Mathematical Biosciences and Engineering, 2021, 18, 182-213.	1.0	45
4	Optimal control of infectious disease: Information-induced vaccination and limited treatment. Physica A: Statistical Mechanics and Its Applications, 2020, 542, 123196.	1.2	34
5	Nonlinear dynamics of infectious diseases via information-induced vaccination and saturated treatment. Mathematics and Computers in Simulation, 2019, 157, 77-99.	2.4	26
6	Mathematical model for smoking: Effect of determination and education. International Journal of Biomathematics, 2015, 08, 1550001.	1.5	14
7	Nonlinear dynamical behavior of an SEIR mathematical model: Effect of information and saturated treatment. Chaos, 2021, 31, 043104.	1.0	13
8	Delayed information induces oscillations in a dynamical model for infectious disease. International Journal of Biomathematics, 2019, 12, 1950020.	1.5	11
9	The impact of information and saturated treatment with time delay in an infectious disease model. Journal of Applied Mathematics and Computing, 2021, 66, 277-305.	1.2	10
10	Role of Optimal Screening and Treatment on Infectious Diseases Dynamics in Presence of Self-protection of Susceptible. Differential Equations and Dynamical Systems, 2023, 31, 135-163.	0.5	9
11	Modeling and optimal control of dengue disease with screening and information. European Physical Journal Plus, 2021, 136, 1.	1.2	7
12	A Direct Construction of Asymptotically Optimal Type-II ZCP for Every Possible Even Length. IEEE Signal Processing Letters, 2021, 28, 1799-1802.	2.1	3
13	Hopf bifurcation and stability switches in an infectious disease model with incubation delay, information, and saturated treatment. Journal of Applied Mathematics and Computing, 2022, 68, 4135-4159.	1.2	2
14	DYNAMICS OF AN INFECTIOUS DISEASE IN THE PRESENCE OF SATURATED MEDICAL TREATMENT OF HOLLING TYPE III AND SELF-PROTECTION. Journal of Biological Systems, 2021, 29, 245-289.	0.5	1
15	Delayed information induced self-protection leads to oscillations in an epidemic model. AIP Conference Proceedings, 2019, , .	0.3	0