Prashant Kumar Srivastava

List of Publications by Year
in descending order

		1039406	1058022
15 papers	**291** citations	**9** h-index	**14** g-index
15 all docs	**15** docs citations	**15** times ranked	**156** citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	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
5	Nonlinear dynamical behavior of an SEIR mathematical model: Effect of information and saturated treatment. Chaos, 2021, 31, 043104.	1.0	13
6	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
7	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
8	Modeling and optimal control of dengue disease with screening and information. European Physical Journal Plus, 2021, 136, 1.	1.2	7
9	Optimal control of infectious disease: Information-induced vaccination and limited treatment. Physica A: Statistical Mechanics and Its Applications, 2020, 542, 123196.	1.2	34
10	Delayed information induced self-protection leads to oscillations in an epidemic model. AIP Conference Proceedings, 2019, , .	0.3	0
11	Delayed information induces oscillations in a dynamical model for infectious disease. International Journal of Biomathematics, 2019, 12, 1950020.	1.5	11
12	Nonlinear dynamics of infectious diseases via information-induced vaccination and saturated treatment. Mathematics and Computers in Simulation, 2019, 157, 77-99.	2.4	26
13	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
14	Modeling the role of information and limited optimal treatment on disease prevalence. Journal of Theoretical Biology, 2017, 414, 103-119.	0.8	66
15	Mathematical model for smoking: Effect of determination and education. International Journal of Biomathematics, 2015, 08, 1550001.	1.5	14