Konstantin B Blyuss

List of Publications by Year
in descending order

27	471	759233	713466
papers	citations	12	21
		h-index	g-index

27	27	27	418
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mathematical model for the impact of awareness on the dynamics of infectious diseases. Mathematical Biosciences, 2017, 286, 22-30.	1.9	69
2	Mean-field models for non-Markovian epidemics on networks. Journal of Mathematical Biology, 2018, 76, 755-778.	1.9	42
3	Effects of latency and age structure on the dynamics and containment of COVID-19. Journal of Theoretical Biology, 2021, 513, 110587.	1.7	38
4	Mathematical model of immune response to hepatitis B. Journal of Theoretical Biology, 2018, 447, 98-110.	1.7	36
5	Dynamics of vaccination in a time-delayed epidemic model with awareness. Mathematical Biosciences, 2017, 294, 92-99.	1.9	35
6	Time-delayed SIS epidemic model with population awareness. Ecological Complexity, 2017, 31, 50-56.	2.9	33
7	Modelling the effects of awareness-based interventions to control the mosaic disease of Jatropha curcas. Ecological Complexity, 2018, 36, 92-100.	2.9	33
8	The role of tunable activation thresholds in the dynamics of autoimmunity. Journal of Theoretical Biology, 2012, 308, 45-55.	1.7	21
9	Understanding the roles of activation threshold and infections in the dynamics of autoimmune disease. Journal of Theoretical Biology, 2015, 375, 13-20.	1.7	16
10	Mathematical model of plant-virus interactions mediated by RNA interference. Journal of Theoretical Biology, 2016, 403, 129-142.	1.7	16
11	The effects of symmetry on the dynamics of antigenic variation. Journal of Mathematical Biology, 2013, 66, 115-137.	1.9	14
12	Dynamics of Multi-stage Infections on Networks. Bulletin of Mathematical Biology, 2015, 77, 1909-1933.	1.9	14
13	Time-delayed model of immune response in plants. Journal of Theoretical Biology, 2016, 389, 28-39.	1.7	13
14	Control of mosaic disease using microbial biostimulants: insights from mathematical modelling. Ricerche Di Matematica, 2020, 69, 437-455.	1.0	13
15	Effects of Vector Maturation Time on the Dynamics of Cassava Mosaic Disease. Bulletin of Mathematical Biology, 2021, 83, 87.	1.9	11
16	Symmetry Breaking in a Model of Antigenic Variation with Immune Delay. Bulletin of Mathematical Biology, 2012, 74, 2488-2509.	1.9	10
17	A new approach to simulating stochastic delayed systems. Mathematical Biosciences, 2020, 322, 108327.	1.9	9
18	Effects of Viral and Cytokine Delays on Dynamics of Autoimmunity. Mathematics, 2018, 6, 66.	2.2	7

#	Article	IF	Citations
19	Time-delayed model of RNA interference. Ecological Complexity, 2017, 30, 11-25.	2.9	6
20	Time-delayed and stochastic effects in a predator–prey model with ratio dependence and Holling type III functional response. Chaos, 2021, 31, 073141.	2.5	6
21	Dynamics of coupled Kuramoto oscillators with distributed delays. Chaos, 2021, 31, 103107.	2.5	6
22	Instability of disease-free equilibrium in a model of malaria with immune delay. Mathematical Biosciences, 2014, 248, 54-56.	1.9	5
23	Analysis of symmetries in models of multi-strain infections. Journal of Mathematical Biology, 2014, 69, 1431-1459.	1.9	5
24	Bifurcations and Multistability in a Model of Cytokine-Mediated Autoimmunity. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950034.	1.7	5
25	Compact pairwise models for epidemics with multiple infectious stages on degree heterogeneous and clustered networks. Journal of Theoretical Biology, 2016, 407, 387-400.	1.7	4
26	Stochastic dynamics in a time-delayed model for autoimmunity. Mathematical Biosciences, 2020, 322, 108323.	1.9	3
27	Quantifying the Role of Stochasticity in the Development of Autoimmune Disease. Cells, 2020, 9, 860.	4.1	1