

# Konstantin B Blyuss

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

471  
citations

759233

12  
h-index

713466

21  
g-index

27  
all docs

27  
docs citations

27  
times ranked

418  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of latency and age structure on the dynamics and containment of COVID-19. <i>Journal of Theoretical Biology</i> , 2021, 513, 110587.	1.7	38
2	Effects of Vector Maturation Time on the Dynamics of Cassava Mosaic Disease. <i>Bulletin of Mathematical Biology</i> , 2021, 83, 87.	1.9	11
3	Time-delayed and stochastic effects in a predator–prey model with ratio dependence and Holling type III functional response. <i>Chaos</i> , 2021, 31, 073141.	2.5	6
4	Dynamics of coupled Kuramoto oscillators with distributed delays. <i>Chaos</i> , 2021, 31, 103107.	2.5	6
5	Control of mosaic disease using microbial biostimulants: insights from mathematical modelling. <i>Ricerche Di Matematica</i> , 2020, 69, 437-455.	1.0	13
6	Stochastic dynamics in a time-delayed model for autoimmunity. <i>Mathematical Biosciences</i> , 2020, 322, 108323.	1.9	3
7	A new approach to simulating stochastic delayed systems. <i>Mathematical Biosciences</i> , 2020, 322, 108327.	1.9	9
8	Quantifying the Role of Stochasticity in the Development of Autoimmune Disease. <i>Cells</i> , 2020, 9, 860.	4.1	1
9	Bifurcations and Multistability in a Model of Cytokine-Mediated Autoimmunity. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1950034.	1.7	5
10	Mathematical model of immune response to hepatitis B. <i>Journal of Theoretical Biology</i> , 2018, 447, 98-110.	1.7	36
11	Mean-field models for non-Markovian epidemics on networks. <i>Journal of Mathematical Biology</i> , 2018, 76, 755-778.	1.9	42
12	Effects of Viral and Cytokine Delays on Dynamics of Autoimmunity. <i>Mathematics</i> , 2018, 6, 66.	2.2	7
13	Modelling the effects of awareness-based interventions to control the mosaic disease of <i>Jatropha curcas</i> . <i>Ecological Complexity</i> , 2018, 36, 92-100.	2.9	33
14	Mathematical model for the impact of awareness on the dynamics of infectious diseases. <i>Mathematical Biosciences</i> , 2017, 286, 22-30.	1.9	69
15	Time-delayed model of RNA interference. <i>Ecological Complexity</i> , 2017, 30, 11-25.	2.9	6
16	Time-delayed SIS epidemic model with population awareness. <i>Ecological Complexity</i> , 2017, 31, 50-56.	2.9	33
17	Dynamics of vaccination in a time-delayed epidemic model with awareness. <i>Mathematical Biosciences</i> , 2017, 294, 92-99.	1.9	35
18	Mathematical model of plant-virus interactions mediated by RNA interference. <i>Journal of Theoretical Biology</i> , 2016, 403, 129-142.	1.7	16

#	ARTICLE	IF	CITATIONS
19	Compact pairwise models for epidemics with multiple infectious stages on degree heterogeneous and clustered networks. <i>Journal of Theoretical Biology</i> , 2016, 407, 387-400.	1.7	4
20	Time-delayed model of immune response in plants. <i>Journal of Theoretical Biology</i> , 2016, 389, 28-39.	1.7	13
21	Dynamics of Multi-stage Infections on Networks. <i>Bulletin of Mathematical Biology</i> , 2015, 77, 1909-1933.	1.9	14
22	Understanding the roles of activation threshold and infections in the dynamics of autoimmune disease. <i>Journal of Theoretical Biology</i> , 2015, 375, 13-20.	1.7	16
23	Instability of disease-free equilibrium in a model of malaria with immune delay. <i>Mathematical Biosciences</i> , 2014, 248, 54-56.	1.9	5
24	Analysis of symmetries in models of multi-strain infections. <i>Journal of Mathematical Biology</i> , 2014, 69, 1431-1459.	1.9	5
25	The effects of symmetry on the dynamics of antigenic variation. <i>Journal of Mathematical Biology</i> , 2013, 66, 115-137.	1.9	14
26	Symmetry Breaking in a Model of Antigenic Variation with Immune Delay. <i>Bulletin of Mathematical Biology</i> , 2012, 74, 2488-2509.	1.9	10
27	The role of tunable activation thresholds in the dynamics of autoimmunity. <i>Journal of Theoretical Biology</i> , 2012, 308, 45-55.	1.7	21