

Mathematical Models in Population Biology and Epidem

Texts in Applied Mathematics

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Discrete Epidemic Models with Arbitrary Stage Distributions and Applications to Disease Control. Bulletin of Mathematical Biology, 2013, 75, 1716-1746.	0.9	32
2	Implicit Estimation of Ecological Model Parameters. Bulletin of Mathematical Biology, 2013, 75, 223-257.	0.9	14
3	The basic reproduction number R_0 and effectiveness of reactive interventions during dengue epidemics: The 2002 dengue outbreak in Easter Island, Chile. Mathematical Biosciences and Engineering, 2013, 10, 1455-1474.	1.0	26
4	Nonlinear Pulse Vaccination in an SIR Epidemic Model with Resource Limitation. Abstract and Applied Analysis, 2013, 2013, 1-13.	0.3	8
5	On a fully discrete finite-difference approximation of a nonlinear diffusion–reaction model in microbial ecology. International Journal of Computer Mathematics, 2013, 90, 1915-1937.	1.0	7
6	Multilayer Networks. SSRN Electronic Journal, 0, , .	0.4	50
7	Assessing the Impact of Drug Resistance on the Transmission Dynamics of Typhoid Fever. Computational Biology Journal, 2013, 2013, 1-13.	0.6	8
8	Integrating Temperature-Dependent Life Table Data into a Matrix Projection Model for <i>Drosophila suzukii</i> Population Estimation. PLoS ONE, 2014, 9, e106909.	1.1	124
9	A simple epidemiological model for populations in the wild with Allee effects and disease-modified fitness. Discrete and Continuous Dynamical Systems - Series B, 2014, 19, 89-130.	0.5	10
10	Poverty, Disease, and the Ecology of Complex Systems. PLoS Biology, 2014, 12, e1001827.	2.6	57
11	Vertical Transmission in a Two-Strain Model of Dengue Fever. Letters in Biomathematics, 2014, 1, 249-271.	0.3	14
12	The dynamics model of public opinion diffusion in online social network. , 2014, , .		0
13	Replicator Equations and Models of Biological Populations and Communities. Mathematical Modelling of Natural Phenomena, 2014, 9, 68-95.	0.9	16
14	Micromechanics of vortices in granular media: connection to shear bands and implications for continuum modelling of failure in geomaterials. International Journal for Numerical and Analytical Methods in Geomechanics, 2014, 38, 1247-1275.	1.7	32
15	Age-structured dengue epidemic model. Applicable Analysis, 2014, 93, 2249-2276.	0.6	0
16	A Structured Discrete Model for Dengue Fever Infections and the Determination of R_0 from Age-Stratified Serological Data. Bulletin of Mathematical Biology, 2014, 76, 1288-1305.	0.9	2
17	Voter model with arbitrary degree dependence: clout, confidence and irreversibility. European Physical Journal B, 2014, 87, 1.	0.6	2
18	Epidemic Spreading With External Agents. IEEE Transactions on Information Theory, 2014, 60, 4125-4138.	1.5	16

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19	Dynamic model predicting overweight, obesity, and extreme obesity prevalence trends. <i>Obesity</i> , 2014, 22, 590-597.	1.5	54
20	Global and local stability analysis in a nonlinear discrete-time population model. <i>Advances in Difference Equations</i> , 2014, 2014, .	3.5	12
21	On a product-type system of difference equations of second order solvable in closed form. <i>Journal of Inequalities and Applications</i> , 2015, 2015, .	0.5	52
22	Dynamical Behavior of a Stochastic SIRS Epidemic Model. <i>Mathematical Modelling of Natural Phenomena</i> , 2015, 10, 56-73.	0.9	32
23	Vaccination Control in a Stochastic SVIR Epidemic Model. <i>Computational and Mathematical Methods in Medicine</i> , 2015, 2015, 1-9.	0.7	28
24	Mathematical model for smoking: Effect of determination and education. <i>International Journal of Biomathematics</i> , 2015, 08, 1550001.	1.5	14
25	Think locally, act locally: Detection of small, medium-sized, and large communities in large networks. <i>Physical Review E</i> , 2015, 91, 012821.	0.8	88
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36	Epidemiological analysis of the Eyam plague outbreak of 1665-1666. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160618.	1.2	56
37	Phenomenological modelling and simulation of cell clusters in 3D cultures. <i>Computers in Biology and Medicine</i> , 2016, 77, 249-260.	3.9	5

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46	Multilevel hybrid split-step implicit tau-leap. Numerical Algorithms, 2017, 74, 527-560.	1.1	9
47	Memory effects on epidemic evolution: The susceptible-infected-recovered epidemic model. Physical Review E, 2017, 95, 022409.	0.8	131
48	Obtaining Informationally Consistent Decisions When Computing Costs with Limited Information. Production and Operations Management, 2017, 26, 211-230.	2.1	11
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58	Bezier Curve Parameterization Methods for Solving Optimal Control Problems of SIR Model. <i>Lecture Notes in Computer Science</i> , 2017, , 100-110.	1.0	0
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61	A Study on Formal Methods to Generalize Heterogeneous Mobile Malware Propagation and Their Impacts. <i>IEEE Access</i> , 2017, 5, 27740-27756.	2.6	17
62	Space-Time Point Pattern Analysis of Flavescence Dorée Epidemic in a Grapevine Field: Disease Progression and Recovery. <i>Frontiers in Plant Science</i> , 2016, 7, 1987.	1.7	34
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64	Constrained minimization problems for the reproduction number in meta-population models. <i>Journal of Mathematical Biology</i> , 2018, 77, 1795-1831.	0.8	7
65	Optimal control approach for establishing wMelPop Wolbachia infection among wild <i>Aedes aegypti</i> populations. <i>Journal of Mathematical Biology</i> , 2018, 76, 1907-1950.	0.8	38
66	Analysis of stability and Hopf bifurcation in a fractional Gauss-type predator-prey model with Allee effect and Holling type-III functional response. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	29
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72	Rumor propagation meets skepticism: A parallel with zombies. <i>Europhysics Letters</i> , 2018, 124, 18007.	0.7	8
73	The Physics of Physik. <i>Journal of the Royal College of Physicians of Edinburgh, The</i> , 2018, 48, 3-8.	0.2	2
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75	Epidemic models with heterogeneous mixing and indirect transmission. <i>Journal of Biological Dynamics</i> , 2018, 12, 375-399.	0.8	14
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82	Nonlinear Leslie models for the assessment of the effects of stressors on the development of wild populations: reviewing of the basic properties. <i>Journal of Interdisciplinary Mathematics</i> , 2018, 21, 83-109.	0.4	4
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87	Using mathematical modelling to investigate the effect of the sexual behaviour of asymptomatic individuals and vector control measures on Zika. <i>Letters in Biomathematics</i> , 2019, 6, 1-19.	0.3	13
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94	Event Triggered Social Media Chatter: A New Modeling Framework. <i>IEEE Transactions on Computational Social Systems</i> , 2019, 6, 197-207.	3.2	8
95	A simplified stochastic optimization model for logistic dynamics with control-dependent carrying capacity. <i>Journal of Biological Dynamics</i> , 2019, 13, 148-176.	0.8	21
96	Preventing noise-induced ecological shifts: stochastic sensitivity analysis and control. <i>European Physical Journal B</i> , 2019, 92, 1.	0.6	0
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98	Studying Controversies: Unification, Contradiction, Integration. <i>Journal for General Philosophy of Science</i> , 2019, 50, 103-128.	0.7	3
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105	New Schemes of Dynamic Preservation of Diversity: Remarks on Stability and Topology. <i>Acta Biotheoretica</i> , 2020, 68, 157-169.	0.7	3
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163	Improvement of disease dynamics monitoring through systematic screening and patchy structure: application to Neisseria Meningitidis. <i>Computational and Applied Mathematics</i> , 2021, 40, 1.	1.0	0
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