Junling

List of Publications by Year
in descending order

25 papers	1,518 citations	471061 17 h-index	580395 25 g-index
25 all docs	25 docs citations	25 times ranked	1744 citing authors

#	Article	IF	Citations
1	Generality of the Final Size Formula for an Epidemic of a Newly Invading Infectious Disease. Bulletin of Mathematical Biology, 2006, 68, 679-702.	0.9	222
2	Estimating epidemic exponential growth rate and basic reproduction number. Infectious Disease Modelling, 2020, 5, 129-141.	1.2	218
3	Cholera Epidemic in Haiti, 2010: Using a Transmission Model to Explain Spatial Spread of Disease and Identify Optimal Control Interventions. Annals of Internal Medicine, 2011, 154, 593.	2.0	214
4	Effective degree network disease models. Journal of Mathematical Biology, 2011, 62, 143-164.	0.8	161
5	Epidemic threshold conditions for seasonally forced SEIR models. Mathematical Biosciences and Engineering, 2006, 3, 161-172.	1.0	117
6	Estimating Initial Epidemic Growth Rates. Bulletin of Mathematical Biology, 2014, 76, 245-260.	0.9	98
7	Survival and Stationary Distribution Analysis of a Stochastic Competitive Model of Three Species in a Polluted Environment. Bulletin of Mathematical Biology, 2015, 77, 1285-1326.	0.9	97
8	Reconstructing influenza incidence by deconvolution of daily mortality time series. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21825-21829.	3.3	89
9	Mechanistic modelling of the three waves of the 1918 influenza pandemic. Theoretical Ecology, 2011, 4, 283-288.	0.4	41
10	Vaccination against 2009 pandemic H1N1 in a population dynamical model of Vancouver, Canada: timing is everything. BMC Public Health, 2011, 11, 932.	1.2	36
11	The Evolution of Resource Adaptation: How Generalist and Specialist Consumers Evolve. Bulletin of Mathematical Biology, 2006, 68, 1111-1123.	0.9	32
12	Network evolution by different rewiring schemes. Physica D: Nonlinear Phenomena, 2009, 238, 370-378.	1.3	25
13	Edge-based epidemic spreading in degree-correlated complex networks. Journal of Theoretical Biology, 2018, 454, 164-181.	0.8	25
14	The importance of contact network topology for the success of vaccination strategies. Journal of Theoretical Biology, 2013, 325, 12-21.	0.8	24
15	Edge removal in random contact networks and the basic reproduction number. Journal of Mathematical Biology, 2013, 67, 217-238.	0.8	19
16	Model for disease dynamics of a waterborne pathogen on a random network. Journal of Mathematical Biology, 2015, 71, 961-977.	0.8	19
17	The effect of sexual transmission on Zika virus dynamics. Journal of Mathematical Biology, 2018, 77, 1917-1941.	0.8	17
18	The influence of awareness on epidemic spreading on random networks. Journal of Theoretical Biology, 2020, 486, 110090.	0.8	16

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19	Estimation of Zika virus prevalence by appearance of microcephaly. BMC Infectious Diseases, 2016, 16, 754.	1.3	13
20	Case Fatality Proportion. Bulletin of Mathematical Biology, 2008, 70, 118-133.	0.9	9
21	The coexistence or replacement of two subtypes of influenza. Mathematical Biosciences, 2015, 270, 1-9.	0.9	8
22	Estimation of Cross-Immunity Between Drifted Strains of Influenza A/H3N2. Bulletin of Mathematical Biology, 2018, 80, 657-669.	0.9	7
23	Disease invasion risk in a growing population. Journal of Mathematical Biology, 2016, 73, 665-681.	0.8	5
24	Host contact structure is important for the recurrence of Influenza A. Journal of Mathematical Biology, 2018, 77, 1563-1588.	0.8	4
25	Backward bifurcation in within-host HIV models. Mathematical Biosciences, 2021, 335, 108569.	0.9	2