

Guang-Hu Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

677
citations

687335

13
h-index

580810

25
g-index

34
all docs

34
docs citations

34
times ranked

768
citing authors

#	ARTICLE	IF	CITATIONS
1	Spreading dynamics and global stability of a generalized epidemic model on complex heterogeneous networks. <i>Applied Mathematical Modelling</i> , 2012, 36, 5808-5817.	4.2	93
2	Global attractivity of a network-based epidemic SIS model with nonlinear infectivity. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 2588-2594.	3.3	73
3	Population Movement, City Closure in Wuhan, and Geographical Expansion of the COVID-19 Infection in China in January 2020. <i>Clinical Infectious Diseases</i> , 2020, 71, 2045-2051.	5.8	56
4	Effects of human mobility, temperature and mosquito control on the spatiotemporal transmission of dengue. <i>Science of the Total Environment</i> , 2019, 651, 969-978.	8.0	55
5	Dynamic stability of an SIQS epidemic network and its optimal control. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 66, 84-95.	3.3	52
6	Epidemic spreading on contact networks with adaptive weights. <i>Journal of Theoretical Biology</i> , 2013, 317, 133-139.	1.7	45
7	Inferring the Spatio-temporal Patterns of Dengue Transmission from Surveillance Data in Guangzhou, China. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004633.	3.0	37
8	Weather variables and the El Niño Southern Oscillation may drive the epidemics of dengue in Guangdong Province, China. <i>Science of the Total Environment</i> , 2018, 624, 926-934.	8.0	35
9	The spatiotemporal transmission of dengue and its driving mechanism: A case study on the 2014 dengue outbreak in Guangdong, China. <i>Science of the Total Environment</i> , 2018, 622-623, 252-259.	8.0	31
10	Epidemic spreading on adaptively weighted scale-free networks. <i>Journal of Mathematical Biology</i> , 2017, 74, 1263-1298.	1.9	28
11	The dynamics of a mutual interference age structured predator-prey model with time delay and impulsive perturbations on predators. <i>Applied Mathematics and Computation</i> , 2010, 216, 308-316.	2.2	26
12	Effects of active links on epidemic transmission over social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 468, 614-621.	2.6	18
13	Spatiotemporal analysis of the dengue outbreak in Guangdong Province, China. <i>BMC Infectious Diseases</i> , 2019, 19, 493.	2.9	18
14	Suboptimal Control and Targeted Constant Control for Semi-Random Epidemic Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 2602-2610.	9.3	15
15	Mean-field modeling approach for understanding epidemic dynamics in interconnected networks. <i>Chaos, Solitons and Fractals</i> , 2015, 80, 117-124.	5.1	12
16	Propagation dynamics of an epidemic model with infective media connecting two separated networks of populations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 20, 240-249.	3.3	12
17	Assessment of control strategies against <i>Clonorchis sinensis</i> infection based on a multi-group dynamic transmission model. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008152.	3.0	10
18	Capturing noroviruses circulating in the population: sewage surveillance in Guangdong, China (2013-2018). <i>Water Research</i> , 2021, 196, 116990.	11.3	10

#	ARTICLE	IF	CITATIONS
19	SPREADING DYNAMICS OF A DISEASE-AWARENESS SIS MODEL ON COMPLEX NETWORKS. International Journal of Biomathematics, 2013, 06, 1350025.	2.9	7
20	Dynamics of echinococcosis transmission among multiple species and a case study in Xinjiang, China. Chaos, Solitons and Fractals, 2019, 127, 103-109.	5.1	7
21	The spatiotemporal transmission dynamics of COVID-19 among multiple regions: a modeling study in Chinese provinces. Nonlinear Dynamics, 2022, 107, 1313-1327.	5.2	7
22	GLOBAL ATTRACTIVENESS OF DISCRETE-TIME EPIDEMIC OUTBREAK IN NETWORKS. International Journal of Biomathematics, 2012, 05, 1250004.	2.9	6
23	Different intervention strategies toward live poultry markets against avian influenza A (H7N9) virus: Model-based assessment. Environmental Research, 2021, 198, 110465.	7.5	6
24	Assessing different interventions against Avian Influenza A (H7N9) infection by an epidemiological model. One Health, 2021, 13, 100312.	3.4	6
25	Global stability of a susceptible-infected-susceptible epidemic model on networks with individual awareness. Chinese Physics B, 2014, 23, 118904.	1.4	3
26	Estimating the epidemic threshold on networks by deterministic connections. Chaos, 2014, 24, 043124.	2.5	3
27	EPIDEMIC SPREADING ON THREE-LAYER INTERDEPENDENT NETWORKS. Journal of Biological Systems, 2016, 24, 469-494.	1.4	2
28	Modeling coupling dynamics between the transmission, intervention of COVID-19 and economic development. Results in Physics, 2021, 28, 104632.	4.1	2
29	Title is missing!. , 2020, 14, e0008152.		0
30	Title is missing!. , 2020, 14, e0008152.		0
31	Title is missing!. , 2020, 14, e0008152.		0
32	Title is missing!. , 2020, 14, e0008152.		0