

Zhen Jin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

286
papers

5,227
citations

39
h-index

59
g-index

307
ext. papers

6,201
ext. citations

3
avg, IF

6.26
L-index

#	Paper	IF	Citations
286	Effect of travel restrictions, contact tracing and vaccination on control of emerging infectious diseases: transmission of COVID-19 as a case study.. <i>Mathematical Biosciences and Engineering</i> , 2022 , 19, 3177-3201	2.1	1
285	Optimal control and comprehensive cost-effectiveness analysis for COVID-19.. <i>Results in Physics</i> , 2022 , 33, 105177	3.7	16
284	Additional electric field alleviates acidity suppression in anaerobic digestion of kitchen wastes via enriching electro-active methanogens in cathodic biofilms.. <i>Water Research</i> , 2022 , 212, 118118	12.5	2
283	Modeling the early transmission of COVID-19 in New York and San Francisco using a pairwise network model.. <i>Infectious Disease Modelling</i> , 2022 , 7, 212-230	15.7	
282	Knowledge transmission model in the multiplex networks with consideration of online and offline channels. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022 , 108, 106186	3.7	0
281	Nilpotent singularities and bifurcations structure of the Landau-Lifshitz theory of cortex dynamics. <i>Applied Mathematics Letters</i> , 2022 , 127, 107854	3.5	
280	Effects of ferrous oxide on azo dye degradation in a sulfate-containing anaerobic reactor: From electron transfer capacity and microbial community. <i>Chemosphere</i> , 2022 , 286, 131779	8.4	1
279	The Impact of Quarantine and Medical Resources on the Control of COVID-19 in Wuhan based on a Household Model.. <i>Bulletin of Mathematical Biology</i> , 2022 , 84, 47	2.1	2
278	Stochastic dynamics of an SIS epidemic on networks.. <i>Journal of Mathematical Biology</i> , 2022 , 84, 50	2	1
277	Alleviating acid inhibition in anaerobic digestion of food waste: Coupling ethanol-type fermentation with biochar addition.. <i>Environmental Research</i> , 2022 , 212, 113355	7.9	1
276	Dynamic analysis of a plant-water model with spatial diffusion. <i>Journal of Differential Equations</i> , 2022 , 329, 395-430	2.1	4
275	Modeling the second outbreak of COVID-19 with isolation and contact tracing. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2021 ,	1.3	1
274	Hopf bifurcation in a reaction-diffusive-advection two-species competition model with one delay. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2021 , 1-24	0.5	
273	A stochastic model explains the periodicity phenomenon of influenza on network. <i>Scientific Reports</i> , 2021 , 11, 20996	4.9	
272	Optimal control and cost-effectiveness analysis for dengue fever model with asymptomatic and partial immune individuals. <i>Results in Physics</i> , 2021 , 31, 104919	3.7	5
271	Assessment of regional vulnerability to Africa swine fever in China during 2018/8-2019/7 based on data envelopment analysis method. <i>Transboundary and Emerging Diseases</i> , 2021 , 68, 2455-2464	4.2	0
270	Non-seasonal and seasonal relapse model for Q fever disease with comprehensive cost-effectiveness analysis. <i>Results in Physics</i> , 2021 , 22, 103889	3.7	10

269	The risk factor assessment of the spread of foot-and-mouth disease in mainland China. <i>Journal of Theoretical Biology</i> , 2021 , 512, 110558	2.3	
268	Assessing the Effectiveness of Mass Testing and Quarantine in the Spread of COVID-19 in Beijing and Xinjiang, 2020. <i>Complexity</i> , 2021 , 2021, 1-10	1.6	1
267	Estimation of COVID-19 outbreak size in Harbin, China. <i>Nonlinear Dynamics</i> , 2021 , 106, 1-9	5	6
266	Sensitivity assessment and optimal economic evaluation of a new COVID-19 compartmental epidemic model with control interventions. <i>Chaos, Solitons and Fractals</i> , 2021 , 146, 110885	9.3	31
265	The combination of targeted vaccination and ring vaccination. <i>Chaos</i> , 2021 , 31, 063108	3.3	
264	Creative idea diffusion model in the multiplex network with consideration of multiple channels. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021 , 97, 105734	3.7	2
263	Existence of traveling wave solutions for a diffusive tuberculosis model with fast and slow progression. <i>Applied Mathematics Letters</i> , 2021 , 112, 106848	3.5	1
262	The impact of contact patterns of sexual networks on Zika virus spread: A case study in Costa Rica. <i>Applied Mathematics and Computation</i> , 2021 , 393, 125765	2.7	0
261	Changed transmission epidemiology of COVID-19 at early stage: A nationwide population-based piecewise mathematical modelling study. <i>Travel Medicine and Infectious Disease</i> , 2021 , 39, 101918	8.4	4
260	On the basic reproduction number in semi-Markov switching networks. <i>Journal of Biological Dynamics</i> , 2021 , 15, 73-85	2.4	0
259	Sufficient and necessary conditions for oscillation of linear fractional-order delay differential equations. <i>Advances in Difference Equations</i> , 2021 , 2021,	3.6	1
258	Dynamical analysis of the spread of African swine fever with the live pig price in China. <i>Mathematical Biosciences and Engineering</i> , 2021 , 18, 8123-8148	2.1	3
257	Study on an SIHRS Model of COVID-19 Pandemic With Impulse and Time Delay Under Media Coverage. <i>IEEE Access</i> , 2021 , 9, 49387-49397	3.5	2
256	Nonpharmaceutical interventions contribute to the control of COVID-19 in China based on a pairwise model. <i>Infectious Disease Modelling</i> , 2021 , 6, 643-663	15.7	5
255	Mathematical modeling and mechanisms of pattern formation in ecological systems: a review. <i>Nonlinear Dynamics</i> , 2021 , 104, 1677-1696	5	8
254	Understanding the epidemiological patterns in spatial networks. <i>Nonlinear Dynamics</i> , 2021 , 106, 1059-1082		0
253	A rumor spreading pairwise model on weighted networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021 , 126451	3.3	2
252	Research on knowledge dissemination model in the multiplex network with enterprise social media and offline transmission routes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021 , 587, 126468	3.3	1

251	The dynamics of sexually transmitted diseases with men who have sex with men.. <i>Journal of Mathematical Biology</i> , 2021 , 84, 1	2	
250	Transmission dynamics of brucellosis: Mathematical modelling and applications in China. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 3843-3860	6.8	15
249	The Oscillation Amplitude, Not the Frequency of Cytosolic Calcium, Regulates Apoptosis Induction. <i>IScience</i> , 2020 , 23, 101671	6.1	8
248	An edge-based model for non-Markovian sexually transmitted infections in coupled network. <i>International Journal of Biomathematics</i> , 2020 , 13, 2050014	1.8	1
247	A new insight into isolating the high-degree nodes in network to control infectious diseases. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 91, 105363	3.7	10
246	Transmission dynamics of COVID-19 in Wuhan, China: effects of lockdown and medical resources. <i>Nonlinear Dynamics</i> , 2020 , 101, 1-13	5	67
245	Spatial dynamics of an epidemic model with nonlocal infection. <i>Applied Mathematics and Computation</i> , 2020 , 377, 125158	2.7	20
244	A Deterministic Model for Q Fever Transmission Dynamics within Dairy Cattle Herds: Using Sensitivity Analysis and Optimal Controls. <i>Computational and Mathematical Methods in Medicine</i> , 2020 , 2020, 6820608	2.8	14
243	Global dynamics of a spatial heterogeneous viral infection model with intracellular delay and nonlocal diffusion. <i>Applied Mathematical Modelling</i> , 2020 , 82, 150-167	4.5	4
242	Landau-like quantized levels of neutral atom induced by a dark-soliton shaped electric field. <i>Chinese Physics B</i> , 2020 , 29, 010303	1.2	
241	Cross-diffusion-induced patterns in an SIR epidemic model on complex networks. <i>Chaos</i> , 2020 , 30, 0131473	4.3	13
240	Fangcang shelter hospitals during the COVID-19 epidemic, Wuhan, China. <i>Bulletin of the World Health Organization</i> , 2020 , 98, 830-841D	8.2	20
239	Studying on the impact of media coverage on the spread of COVID-19 in Hubei Province, China. <i>Mathematical Biosciences and Engineering</i> , 2020 , 17, 3147-3159	2.1	16
238	Phase-adjusted estimation of the COVID-19 outbreak in South Korea under multi-source data and adjustment measures: a modelling study. <i>Mathematical Biosciences and Engineering</i> , 2020 , 17, 3637-3648	2.1	6
237	Analysis of COVID-19 transmission in Shanxi Province with discrete time imported cases. <i>Mathematical Biosciences and Engineering</i> , 2020 , 17, 3710-3720	2.1	39
236	Spatiotemporal dynamics of a vegetation model with nonlocal delay in semi-arid environment. <i>Nonlinear Dynamics</i> , 2020 , 99, 3407-3420	5	7
235	Emergence of scaling in evolving hypernetworks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 546, 123765	3.3	2
234	Epidemics spreading in periodic double layer networks with dwell time. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 540, 123226	3.3	3

233	Backward bifurcation and sensitivity analysis for bacterial meningitis transmission dynamics with a nonlinear recovery rate. <i>Chaos, Solitons and Fractals</i> , 2020 , 140, 110237	9.3	19
232	Mathematical analysis of the effects of controls on transmission dynamics of SARS-CoV-2. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 5069-5078	6.1	15
231	Global stability and cost-effectiveness analysis of COVID-19 considering the impact of the environment: using data from Ghana. <i>Chaos, Solitons and Fractals</i> , 2020 , 140, 110103	9.3	73
230	A novel epidemic model considering demographics and intercity commuting on complex dynamical networks. <i>Applied Mathematics and Computation</i> , 2020 , 386, 125517	2.7	9
229	COVID-19 Reverse Prediction and Assessment on the Diamond Princess Cruise Ship. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	2
228	Divisive Algorithm Based on Node Clustering Coefficient for Community Detection. <i>IEEE Access</i> , 2020 , 8, 142337-142347	3.5	4
227	Using traveller-derived cases in Henan Province to quantify the spread of COVID-19 in Wuhan, China. <i>Nonlinear Dynamics</i> , 2020 , 101, 1-11	5	6
226	Infectious Diseases Spreading on an Adaptive Metapopulation Network. <i>IEEE Access</i> , 2020 , 8, 153425-153435	3.5	4
225	Insight into ferrihydrite effects on methanogenesis in UASB reactors treating high sulfate wastewater: reactor performance and microbial community. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 1794-1803	4.2	8
224	Qualitative analysis of a diffusive Crowley-Martin predator-prey model: the role of nonlinear predator harvesting. <i>Nonlinear Dynamics</i> , 2019 , 98, 1169-1189	5	7
223	Multistrain edge-based compartmental model on networks. <i>Mathematical Methods in the Applied Sciences</i> , 2019 , 42, 1529-1552	2.3	1
222	Infectious diseases spreading on a metapopulation network coupled with its second-neighbor network. <i>Applied Mathematics and Computation</i> , 2019 , 361, 87-97	2.7	3
221	Identifying Risk Factors Of A(H7N9) Outbreak by Wavelet Analysis and Generalized Estimating Equation. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	2
220	Potential of direct interspecies electron transfer in synergetic enhancement of methanogenesis and sulfate removal in an up-flow anaerobic sludge blanket reactor with magnetite. <i>Science of the Total Environment</i> , 2019 , 677, 299-306	10.2	54
219	Threshold dynamics of an age-space structured SIR model on heterogeneous environment. <i>Applied Mathematics Letters</i> , 2019 , 96, 69-74	3.5	7
218	Epidemic spread in directed interconnected networks. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019 , 75, 1-13	3.7	2
217	Transmission dynamics of a two-strain pairwise model with infection age. <i>Applied Mathematical Modelling</i> , 2019 , 71, 656-672	4.5	5
216	Pattern Dynamics of an SIS Epidemic Model with Nonlocal Delay. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1950027	2	19

215	Dynamics Analysis of an Avian Influenza A (H7N9) Epidemic Model with Vaccination and Seasonality. <i>Complexity</i> , 2019 , 2019, 1-15	1.6	3
214	An SIS epidemic model with vaccination in a dynamical contact network of mobile individuals with heterogeneous spatial constraints. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019 , 73, 52-73	3.7	13
213	Complex dynamics of epidemic models on adaptive networks. <i>Journal of Differential Equations</i> , 2019 , 266, 803-832	2.1	27
212	Bifurcation of Multiple Limit Cycles in an Epidemic Model on Adaptive Networks. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1950096	2	3
211	Delay-induced patterns in a predator-prey model on complex networks with diffusion. <i>New Journal of Physics</i> , 2019 , 21, 073035	2.9	18
210	Rumor Spreading of an SIHR Model in Heterogeneous Networks Based on Probability Generating Function. <i>Complexity</i> , 2019 , 2019, 1-15	1.6	2
209	Turing patterns of an SI epidemic model with cross-diffusion on complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 533, 122023	3.3	14
208	Epidemic threshold and ergodicity of an SIS model in switched networks. <i>Journal of Mathematical Analysis and Applications</i> , 2019 , 479, 1182-1194	1.1	7
207	The Competing Two-Strain SIS Pairwise Approximation Model With Infection Age. <i>IEEE Access</i> , 2019 , 7, 100618-100625	3.5	
206	A mathematical model to study the 2014-2015 large-scale dengue epidemics in Kaohsiung and Tainan cities in Taiwan, China. <i>Mathematical Biosciences and Engineering</i> , 2019 , 16, 3841-3863	2.1	23
205	Dynamic analysis of rumor propagation model based on true information spreader. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019 , 68, 150501	0.6	7
204	Evaluating the effect of virus mutation on the transmission of avian influenza H7N9 virus in China based on dynamical model. <i>Mathematical Biosciences and Engineering</i> , 2019 , 16, 3393-3410	2.1	
203	Effect of adaptive rewiring delay in an SIS network epidemic model. <i>Mathematical Biosciences and Engineering</i> , 2019 , 16, 8092-8108	2.1	1
202	Community Detection with Self-Adapting Switching Based on Affinity. <i>Complexity</i> , 2019 , 2019, 1-16	1.6	
201	. <i>IEEE Access</i> , 2019 , 7, 155759-155778	3.5	3
200	Analysis of a Local Diffusive SIR Model with Seasonality and Nonlocal Incidence of Infection. <i>SIAM Journal on Applied Mathematics</i> , 2019 , 79, 2218-2241	1.8	8
199	N-intertwined SIS epidemic model with Markovian switching. <i>Stochastics and Dynamics</i> , 2019 , 19, 1950034.8		2
198	Assessing the spread of foot and mouth disease in mainland China by dynamical switching model. <i>Journal of Theoretical Biology</i> , 2019 , 460, 209-219	2.3	9

197	A non-Markovian SIR network model with fixed infectious period and preventive rewiring. <i>Computers and Mathematics With Applications</i> , 2018 , 75, 3884-3902	2.7	4
196	Coupling dynamics of epidemic spreading and information diffusion on complex networks. <i>Applied Mathematics and Computation</i> , 2018 , 332, 437-448	2.7	97
195	Dynamics analysis of SIR epidemic model with correlation coefficients and clustering coefficient in networks. <i>Journal of Theoretical Biology</i> , 2018 , 449, 1-13	2.3	9
194	Hemorrhagic fever with renal syndrome in China: Mechanisms on two distinct annual peaks and control measures. <i>International Journal of Biomathematics</i> , 2018 , 11, 1850030	1.8	29
193	Dynamics analysis of epidemic and information spreading in overlay networks. <i>Journal of Theoretical Biology</i> , 2018 , 444, 28-37	2.3	10
192	The epidemic model based on the approximation for third-order motifs on networks. <i>Mathematical Biosciences</i> , 2018 , 297, 12-26	3.9	5
191	Effects of feedback regulation on vegetation patterns in semi-arid environments. <i>Applied Mathematical Modelling</i> , 2018 , 61, 200-215	4.5	52
190	Efficient numerical methods for spatially extended population and epidemic models with time delay. <i>Applied Mathematics and Computation</i> , 2018 , 316, 138-154	2.7	11
189	A switching model for the impact of toxins on the spread of infectious diseases. <i>Journal of Mathematical Biology</i> , 2018 , 77, 1093-1115	2	6
188	SIR dynamics in random networks with communities. <i>Journal of Mathematical Biology</i> , 2018 , 77, 1117-1151		8
187	ADAPTIVE SIS EPIDEMIC MODELS ON HETEROGENEOUS NETWORKS WITH DEMOGRAPHICS AND RISK PERCEPTION. <i>Journal of Biological Systems</i> , 2018 , 26, 247-273	1.6	3
186	Transmission dynamics and optimal control of brucellosis in Inner Mongolia of China. <i>Mathematical Biosciences and Engineering</i> , 2018 , 15, 543-567	2.1	15
185	BIRDS MOVEMENT IMPACT ON THE TRANSMISSION OF WEST NILE VIRUS BETWEEN PATCHES. <i>Journal of Applied Analysis and Computation</i> , 2018 , 8, 443-456	0.4	
184	An SIR pairwise epidemic model with infection age and demography. <i>Journal of Biological Dynamics</i> , 2018 , 12, 486-508	2.4	6
183	Edge-based modeling of computer virus contagion on a tripartite graph. <i>Applied Mathematics and Computation</i> , 2018 , 320, 282-291	2.7	7
182	Moment closure of infectious diseases model on heterogeneous metapopulation network. <i>Advances in Difference Equations</i> , 2018 , 2018, 339	3.6	3
181	The Dynamical Modeling Analysis of the Spreading of Passive Worms in P2P Networks. <i>Discrete Dynamics in Nature and Society</i> , 2018 , 2018, 1-13	1.1	2
180	Avian Influenza A (H7N9) Model Based on Poultry Transport Network in China. <i>Computational and Mathematical Methods in Medicine</i> , 2018 , 2018, 7383170	2.8	4

179	Low-Dimensional SIR Epidemic Models with Demographics on Heterogeneous Networks. <i>Journal of Systems Science and Complexity</i> , 2018 , 31, 1103-1127	1	2
178	Assessing reappearance factors of H7N9 avian influenza in China. <i>Applied Mathematics and Computation</i> , 2017 , 309, 192-204	2.7	40
177	A note on an age-of-infection SVIR model with nonlinear incidence. <i>International Journal of Biomathematics</i> , 2017 , 10, 1750064	1.8	3
176	DEMOGRAPHICS INDUCE EXTINCTION OF DISEASE IN AN SIS MODEL BASED ON CONDITIONAL MARKOV CHAIN. <i>Journal of Biological Systems</i> , 2017 , 25, 145-171	1.6	11
175	Structure of growing complex networks coupling with the friendship and contact relations. <i>Chaos, Solitons and Fractals</i> , 2017 , 104, 758-765	9.3	7
174	Cost assessment of control measure for brucellosis in Jilin province, China. <i>Chaos, Solitons and Fractals</i> , 2017 , 104, 798-805	9.3	3
173	Threshold dynamical analysis on a class of age-structured tuberculosis model with immigration of population. <i>Advances in Difference Equations</i> , 2017 , 2017,	3.6	1
172	Model-Based Evaluation of Strategies to Control Brucellosis in China. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	19
171	The optimal regulation mode of Bcl-2 apoptotic switch revealed by bistability analysis. <i>BioSystems</i> , 2017 , 162, 44-52	1.9	9
170	How heterogeneous susceptibility and recovery rates affect the spread of epidemics on networks. <i>Infectious Disease Modelling</i> , 2017 , 2, 353-367	15.7	12
169	Transmission dynamics of cholera: Mathematical modeling and control strategies. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 45, 235-244	3.7	108
168	Modeling direct and indirect disease transmission using multi-group model. <i>Journal of Mathematical Analysis and Applications</i> , 2017 , 446, 1292-1309	1.1	36
167	Application of pair approximation method to modeling and analysis of a marriage network. <i>Applied Mathematics and Computation</i> , 2017 , 294, 280-293	2.7	3
166	Expanded antiretroviral treatment, sexual networks, and condom use: Treatment as prevention unlikely to succeed without partner reduction among men who have sex with men in China. <i>PLoS ONE</i> , 2017 , 12, e0171295	3.7	4
165	Impacts of cluster on network topology structure and epidemic spreading. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2017 , 22, 3749-3770	1.3	2
164	Pattern dynamics of a delayed eco-epidemiological model with disease in the predator. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2017 , 10, 1025-1042	2.8	2
163	Structural calculations and propagation modeling of growing networks based on continuous degree. <i>Mathematical Biosciences and Engineering</i> , 2017 , 14, 1215-1232	2.1	2
162	CHAOTIC EFFECTS ON DISEASE SPREAD IN A SIMPLE ECO-EPIDEMIOLOGICAL SYSTEM. <i>Journal of Applied Analysis and Computation</i> , 2017 , 7, 1161-1176	0.4	0

161	The dynamical modeling and simulation analysis of the recommendation on the user movie network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 463, 310-319	3.3	1
160	Disease control framework based on spatial epidemiology: Reply to comments on "Pattern transitions in spatial epidemics: Mechanisms and emergent properties". <i>Physics of Life Reviews</i> , 2016 , 19, 103-106	2.1	1
159	Epidemic spreading with time delay on complex networks. <i>Acta Mathematicae Applicatae Sinica</i> , 2016 , 32, 319-326	0.3	7
158	Global dynamics of a predator-prey system modeling by metaphysiological approach. <i>Applied Mathematics and Computation</i> , 2016 , 283, 369-384	2.7	17
157	Influence of isolation degree of spatial patterns on persistence of populations. <i>Nonlinear Dynamics</i> , 2016 , 83, 811-819	5	114
156	Epidemiological Modeling on Complex Networks. <i>Understanding Complex Systems</i> , 2016 , 51-77	0.4	1
155	The effects of online social networks on tacit knowledge transmission. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 441, 192-198	3.3	22
154	The Driving Force for 2014 Dengue Outbreak in Guangdong, China. <i>PLoS ONE</i> , 2016 , 11, e0166211	3.7	32
153	Periodic solutions in a herbivore-plant system with time delay and spatial diffusion. <i>Applied Mathematical Modelling</i> , 2016 , 40, 4765-4777	4.5	74
152	Modeling of knowledge transmission by considering the level of forgetfulness in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 451, 277-287	3.3	24
151	Prevention of infectious diseases by public vaccination and individual protection. <i>Journal of Mathematical Biology</i> , 2016 , 73, 1561-1594	2	23
150	Life-span of classical solutions to two dimensional fully nonlinear wave equations. <i>Journal of Functional Analysis</i> , 2016 , 270, 4087-4116	1.4	
149	Periodic solutions of a spatiotemporal predator-prey system with additional food. <i>Chaos, Solitons and Fractals</i> , 2016 , 91, 350-359	9.3	3
148	Pattern transitions in spatial epidemics: Mechanisms and emergent properties. <i>Physics of Life Reviews</i> , 2016 , 19, 43-73	2.1	174
147	Existence of positive solutions for Caputo fractional difference equation. <i>Advances in Difference Equations</i> , 2015 , 2015,	3.6	5
146	Dynamic analysis of a delayed model for vector-borne diseases on bipartite networks. <i>Applied Mathematics and Computation</i> , 2015 , 263, 342-352	2.7	7
145	How demography-driven evolving networks impact epidemic transmission between communities. <i>Journal of Theoretical Biology</i> , 2015 , 382, 309-19	2.3	9
144	Modeling the geographic spread of rabies in China. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003772	4.8	16

143	Dynamic modeling and analysis of sexually transmitted diseases on heterogeneous networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 427, 192-201	3.3	10
142	Influence of dynamic immunization on epidemic spreading in networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 419, 566-574	3.3	18
141	How to identify the most effective control measures based on disease-behavior coupled mechanisms?: Comment on "Coupled disease-behavior dynamics on complex networks: A review" by Z. Wang et al. <i>Physics of Life Reviews</i> , 2015 , 15, 30-1	2.1	1
140	Modeling the transmission dynamics of Ebola virus disease in Liberia. <i>Scientific Reports</i> , 2015 , 5, 13857	4.9	30
139	Effects of time delay and space on herbivore dynamics: linking inducible defenses of plants to herbivore outbreak. <i>Scientific Reports</i> , 2015 , 5, 11246	4.9	104
138	Nonlinear Dynamics in Epidemic Systems. <i>Discrete Dynamics in Nature and Society</i> , 2015 , 2015, 1-1	1.1	
137	Immunity of multiplex networks via acquaintance vaccination. <i>Europhysics Letters</i> , 2015 , 112, 48002	1.6	74
136	Rich dynamics in a spatial predator-prey model with delay. <i>Applied Mathematics and Computation</i> , 2015 , 256, 540-550	2.7	28
135	Modeling the Transmission of Middle East Respirator Syndrome Corona Virus in the Republic of Korea. <i>PLoS ONE</i> , 2015 , 10, e0144778	3.7	28
134	Global properties of a general dynamic model for animal diseases: A case study of brucellosis and tuberculosis transmission. <i>Journal of Mathematical Analysis and Applications</i> , 2014 , 414, 424-433	1.1	10
133	Transmission dynamics of a multi-group brucellosis model with mixed cross infection in public farm. <i>Applied Mathematics and Computation</i> , 2014 , 237, 582-594	2.7	60
132	Cooperation and popularity in spatial games. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014 , 414, 86-94	3.3	22
131	Periodic solutions of an epidemic model with saturated treatment. <i>Nonlinear Dynamics</i> , 2014 , 76, 1099-1108	1.0	13
130	Epidemical dynamics of SIS pair approximation models on regular and random networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014 , 410, 144-153	3.3	20
129	Influence of time delay and nonlinear diffusion on herbivore outbreak. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014 , 19, 1507-1518	3.7	68
128	Transmission dynamics and control for a brucellosis model in Hinggan League of Inner Mongolia, China. <i>Mathematical Biosciences and Engineering</i> , 2014 , 11, 1115-37	2.1	33
127	Determination of original infection source of H7N9 avian influenza by dynamical model. <i>Scientific Reports</i> , 2014 , 4, 4846	4.9	35
126	A time delay predator-prey system with three-stage-structure. <i>Scientific World Journal, The</i> , 2014 , 2014, 512838	2.2	1

125	Bifurcation analysis in models for vector-borne diseases with logistic growth. <i>Scientific World Journal, The</i> , 2014 , 2014, 195864	2.2	8
124	Dynamics of opinion formation with strengthen selection probability. <i>International Journal of Modern Physics C</i> , 2014 , 25, 1450050	1.1	1
123	MODELING THE TRANSMISSION DYNAMICS OF DAIRY CATTLE BRUCELLOSIS IN JILIN PROVINCE, CHINA. <i>Journal of Biological Systems</i> , 2014 , 22, 533-554	1.6	13
122	Dynamics of an SIR Epidemic Model with Information Variable and Limited Medical Resources Revisited. <i>Discrete Dynamics in Nature and Society</i> , 2014 , 2014, 1-11	1.1	
121	Modeling and Analysis of New Products Diffusion on Heterogeneous Networks. <i>Journal of Applied Mathematics</i> , 2014 , 2014, 1-12	1.1	9
120	Global Dynamics of Infectious Disease with Arbitrary Distributed Infectious Period on Complex Networks. <i>Discrete Dynamics in Nature and Society</i> , 2014 , 2014, 1-9	1.1	
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