

Zhen Jin

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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	Pattern transitions in spatial epidemics: Mechanisms and emergent properties. <i>Physics of Life Reviews</i> , 2016 , 19, 43-73	2.1	174
285	Spatiotemporal complexity of a ratio-dependent predator-prey system. <i>Physical Review E</i> , 2007 , 75, 051913	2.1	118
284	Influence of isolation degree of spatial patterns on persistence of populations. <i>Nonlinear Dynamics</i> , 2016 , 83, 811-819	5	114
283	Global analysis of an SIS model with an infective vector on complex networks. <i>Nonlinear Analysis: Real World Applications</i> , 2012 , 13, 543-557	2.1	112
282	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
281	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
280	Coupling dynamics of epidemic spreading and information diffusion on complex networks. <i>Applied Mathematics and Computation</i> , 2018 , 332, 437-448	2.7	97
279	Predator cannibalism can give rise to regular spatial pattern in a predator-prey system. <i>Nonlinear Dynamics</i> , 2009 , 58, 75-84	5	91
278	Global stability of a SEIR epidemic model with infectious force in latent, infected and immune period. <i>Chaos, Solitons and Fractals</i> , 2005 , 25, 1177-1184	9.3	89
277	Pattern formation of a spatial predator-prey system. <i>Applied Mathematics and Computation</i> , 2012 , 218, 11151-11162	2.7	88
276	Analysis of rabies in China: transmission dynamics and control. <i>PLoS ONE</i> , 2011 , 6, e20891	3.7	86
275	Immunity of multiplex networks via acquaintance vaccination. <i>Europhysics Letters</i> , 2015 , 112, 48002	1.6	74
274	Spatial dynamics in a predator-prey model with Beddington-DeAngelis functional response. <i>Physical Review E</i> , 2012 , 85, 021924	2.4	74
273	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
272	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
271	The existence of periodic solutions of the n-species Lotka-Volterra competition systems with impulsive?. <i>Chaos, Solitons and Fractals</i> , 2004 , 22, 181-188	9.3	71
270	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

269	Transmission dynamics of COVID-19 in Wuhan, China: effects of lockdown and medical resources. <i>Nonlinear Dynamics</i> , 2020 , 101, 1-13	5	67
268	Pattern formation in a spatialSII model with non-linear incidence rates. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007 , 2007, P11011-P11011	1.9	66
267	Spatial patterns of a predator-prey model with cross diffusion. <i>Nonlinear Dynamics</i> , 2012 , 69, 1631-1638	5	62
266	Dynamical complexity of a spatial predator-prey model with migration. <i>Ecological Modelling</i> , 2008 , 219, 248-255	3	61
265	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
264	Impact of media coverage on epidemic spreading in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013 , 392, 5824-5835	3.3	59
263	Pattern dynamics of a spatial predator-prey model with noise. <i>Nonlinear Dynamics</i> , 2012 , 67, 1737-1744	5	57
262	The analysis of an epidemic model on networks. <i>Applied Mathematics and Computation</i> , 2011 , 217, 7053-7064	3.6	57
261	Analysis of an SIR model with bilinear incidence rate. <i>Nonlinear Analysis: Real World Applications</i> , 2010 , 11, 2390-2402	2.1	57
260	Modeling seasonal rabies epidemics in China. <i>Bulletin of Mathematical Biology</i> , 2012 , 74, 1226-51	2.1	55
259	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
258	Modeling the transmission dynamics of sheep brucellosis in Inner Mongolia Autonomous Region, China. <i>Mathematical Biosciences</i> , 2013 , 242, 51-8	3.9	54
257	The persistence in a Lotka-Volterra competition systems with impulsive. <i>Chaos, Solitons and Fractals</i> , 2005 , 24, 1105-1117	9.3	54
256	Effects of feedback regulation on vegetation patterns in semi-arid environments. <i>Applied Mathematical Modelling</i> , 2018 , 61, 200-215	4.5	52
255	Self-organized wave pattern in a predator-prey model. <i>Nonlinear Dynamics</i> , 2010 , 60, 265-275	5	47
254	The role of noise in a predator-prey model with Allee effect. <i>Journal of Biological Physics</i> , 2009 , 35, 185-196	6.6	46
253	Stability and Hopf bifurcation in a delayed competition system. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009 , 70, 658-670	1.3	46
252	Influence of infection rate and migration on extinction of disease in spatial epidemics. <i>Journal of Theoretical Biology</i> , 2010 , 264, 95-103	2.3	46

251	Prediction of SARS epidemic by BP neural networks with online prediction strategy. <i>Chaos, Solitons and Fractals</i> , 2005 , 26, 559-569	9.3	46
250	Nonlinear dynamic and pattern bifurcations in a model for spatial patterns in young mussel beds. <i>Journal of the Royal Society Interface</i> , 2009 , 6, 705-18	4.1	44
249	Global stability of an SEIR epidemic model with constant immigration. <i>Chaos, Solitons and Fractals</i> , 2006 , 30, 1012-1019	9.3	42
248	Assessing reappearance factors of H7N9 avian influenza in China. <i>Applied Mathematics and Computation</i> , 2017 , 309, 192-204	2.7	40
247	Periodic solutions for delay differential equations model of plankton allelopathy. <i>Computers and Mathematics With Applications</i> , 2002 , 44, 491-500	2.7	39
246	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
245	Stability for a competitive Lotka-Volterra system with delays. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2002 , 51, 1131-1142	1.3	37
244	Epidemic models for complex networks with demographics. <i>Mathematical Biosciences and Engineering</i> , 2014 , 11, 1295-317	2.1	37
243	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
242	Influence of removable devices on computer worms: Dynamic analysis and control strategies. <i>Computers and Mathematics With Applications</i> , 2011 , 61, 1823-1829	2.7	36
241	Determination of original infection source of H7N9 avian influenza by dynamical model. <i>Scientific Reports</i> , 2014 , 4, 4846	4.9	35
240	Global stability of an SEI epidemic model. <i>Chaos, Solitons and Fractals</i> , 2004 , 21, 925-931	9.3	35
239	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
238	SPATIAL PATTERN IN AN EPIDEMIC SYSTEM WITH CROSS-DIFFUSION OF THE SUSCEPTIBLE. <i>Journal of Biological Systems</i> , 2009 , 17, 141-152	1.6	33
237	Modeling and analysis of the transmission of Echinococcosis with application to Xinjiang Uygur Autonomous Region of China. <i>Journal of Theoretical Biology</i> , 2013 , 333, 78-90	2.3	32
236	Rich dynamics in a predator-prey model with both noise and periodic force. <i>BioSystems</i> , 2010 , 100, 14-22	1.9	32
235	The Driving Force for 2014 Dengue Outbreak in Guangdong, China. <i>PLoS ONE</i> , 2016 , 11, e0166211	3.7	32
234	SPATIAL PATTERN IN A PREDATOR-PREY SYSTEM WITH BOTH SELF- AND CROSS-DIFFUSION. <i>International Journal of Modern Physics C</i> , 2009 , 20, 71-84	1.1	31

233	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
232	Dynamics of rabies epidemics and the impact of control efforts in Guangdong Province, China. <i>Journal of Theoretical Biology</i> , 2012 , 300, 39-47	2.3	30
231	Modeling the transmission dynamics of Ebola virus disease in Liberia. <i>Scientific Reports</i> , 2015 , 5, 13857	4.9	30
230	Modeling and analyzing of botnet interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011 , 390, 347-358	3.3	30
229	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
228	Bifurcation and chaos in an epidemic model with nonlinear incidence rates. <i>Applied Mathematics and Computation</i> , 2010 , 216, 1226-1234	2.7	29
227	PULSE VACCINATION IN THE PERIODIC INFECTION RATE SIR EPIDEMIC MODEL. <i>International Journal of Biomathematics</i> , 2008 , 01, 409-432	1.8	29
226	Spatial organization and evolution period of the epidemic model using cellular automata. <i>Physical Review E</i> , 2006 , 74, 031110	2.4	29
225	Prediction and control of brucellosis transmission of dairy cattle in Zhejiang Province, China. <i>PLoS ONE</i> , 2014 , 9, e108592	3.7	29
224	Rich dynamics in a spatial predator-prey model with delay. <i>Applied Mathematics and Computation</i> , 2015 , 256, 540-550	2.7	28
223	Chaos induced by breakup of waves in a spatial epidemic model with nonlinear incidence rate. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008 , 2008, P08011	1.9	28
222	Weak average persistence and extinction of a predator-prey system in a polluted environment with impulsive toxicant input?. <i>Chaos, Solitons and Fractals</i> , 2007 , 31, 726-735	9.3	28
221	A simple stochastic model with environmental transmission explains multi-year periodicity in outbreaks of avian flu. <i>PLoS ONE</i> , 2012 , 7, e28873	3.7	28
220	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
219	Complex dynamics of epidemic models on adaptive networks. <i>Journal of Differential Equations</i> , 2019 , 266, 803-832	2.1	27
218	Epidemic spreading on complex networks with community structure. <i>Applied Mathematics and Computation</i> , 2012 , 219, 2829-2838	2.7	27
217	Modeling the impact of immigration on the epidemiology of tuberculosis. <i>Theoretical Population Biology</i> , 2008 , 73, 437-48	1.2	27
216	GLOBAL STABILITY OF AN SIRS EPIDEMIC MODEL WITH DELAYS . <i>Acta Mathematica Scientia</i> , 2006 , 26, 291-306	0.7	26

215	Epidemic dynamics on semi-directed complex networks. <i>Mathematical Biosciences</i> , 2013 , 246, 242-51	3.9	24
214	Modelling and analysis of influenza A (H1N1) on networks. <i>BMC Public Health</i> , 2011 , 11 Suppl 1, S9	4.1	24
213	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
212	Spatial Pattern of an Epidemic Model with Cross-diffusion. <i>Chinese Physics Letters</i> , 2008 , 25, 3500-3503	1.8	23
211	The stability of an sir epidemic model with time delays. <i>Mathematical Biosciences and Engineering</i> , 2006 , 3, 101-9	2.1	23
210	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
209	Prevention of infectious diseases by public vaccination and individual protection. <i>Journal of Mathematical Biology</i> , 2016 , 73, 1561-1594	2	23
208	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
207	Cooperation and popularity in spatial games. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014 , 414, 86-94	3.3	22
206	Effect of noise on the pattern formation in an epidemic model. <i>Numerical Methods for Partial Differential Equations</i> , 2010 , 26, 1168-1179	2.5	21
205	Spatial dynamics of an epidemic model with nonlocal infection. <i>Applied Mathematics and Computation</i> , 2020 , 377, 125158	2.7	20
204	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
203	Pattern formation of an epidemic model with time delay. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014 , 403, 100-109	3.3	20
202	Analysis of a Delayed SIR Model with Nonlinear Incidence Rate. <i>Discrete Dynamics in Nature and Society</i> , 2008 , 2008, 1-16	1.1	20
201	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
200	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
199	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
198	Global analysis of multiple routes of disease transmission on heterogeneous networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013 , 392, 3869-3880	3.3	19

197	An impulsive predator-prey model with communicable disease in the prey species only. <i>Nonlinear Analysis: Real World Applications</i> , 2009 , 10, 3098-3111	2.1	19
196	Bifurcation analysis of a delayed epidemic model. <i>Applied Mathematics and Computation</i> , 2010 , 216, 753-767	2.1	19
195	Formation of spatial patterns in an epidemic model with constant removal rate of the infectives. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007 , 2007, P05002-P05002	1.9	19
194	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
193	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
192	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
191	Phase transition in spatial epidemics using cellular automata with noise. <i>Ecological Research</i> , 2011 , 26, 333-340	1.9	18
190	Resonance and frequency-locking phenomena in spatially extended phytoplankton-zooplankton system with additive noise and periodic forces. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008 , 2008, P05011	1.9	18
189	Global dynamics of a predator-prey system modeling by metaphysiological approach. <i>Applied Mathematics and Computation</i> , 2016 , 283, 369-384	2.7	17
188	An analysis of transmission dynamics of drug-resistant disease on scale-free networks. <i>Applied Mathematics and Computation</i> , 2013 , 222, 177-189	2.7	17
187	Modeling the geographic spread of rabies in China. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003772	4.8	16
186	Optimal control and comprehensive cost-effectiveness analysis for COVID-19.. <i>Results in Physics</i> , 2022 , 33, 105177	3.7	16
185	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
184	Transmission dynamics of brucellosis: Mathematical modelling and applications in China. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 3843-3860	6.8	15
183	Analysis of sexually transmitted disease spreading in heterosexual and homosexual populations. <i>Mathematical Biosciences</i> , 2013 , 242, 143-52	3.9	15
182	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
181	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
180	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

179	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
178	Numerical investigation of spatial pattern in a vegetation model with feedback function. <i>Journal of Theoretical Biology</i> , 2008 , 254, 350-60	2.3	14
177	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
176	Cross-diffusion-induced patterns in an SIR epidemic model on complex networks. <i>Chaos</i> , 2020 , 30, 0131473	3.3	13
175	Periodic solutions of an epidemic model with saturated treatment. <i>Nonlinear Dynamics</i> , 2014 , 76, 1099-1108	1.08	13
174	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
173	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
172	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
171	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
170	Persistence, extinction and spatio-temporal synchronization of SIRS spatial models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009 , 2009, P07007	1.9	11
169	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
168	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
167	Dynamics analysis of epidemic and information spreading in overlay networks. <i>Journal of Theoretical Biology</i> , 2018 , 444, 28-37	2.3	10
166	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
165	Stepanov-like pseudo almost periodic mild solutions to nonautonomous neutral partial evolution equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012 , 75, 244-252	1.3	10
164	The effects of management on population dynamics of plateau pika. <i>Mathematical and Computer Modelling</i> , 2013 , 57, 525-535		10
163	Dynamic behavior of a discrete modified Ricker & Beverton-Holt model. <i>Computers and Mathematics With Applications</i> , 2009 , 57, 1400-1412	2.7	10
162	GLOBAL STABILITY ANALYSIS OF AN ECO-EPIDEMIOLOGICAL MODEL OF THE SALTON SEA. <i>Journal of Biological Systems</i> , 2006 , 14, 373-385	1.6	10

161	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
160	How demography-driven evolving networks impact epidemic transmission between communities. <i>Journal of Theoretical Biology</i> , 2015 , 382, 309-19	2.3	9
159	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
158	The optimal regulation mode of Bcl-2 apoptotic switch revealed by bistability analysis. <i>BioSystems</i> , 2017 , 162, 44-52	1.9	9
157	Modeling and Analysis of New Products Diffusion on Heterogeneous Networks. <i>Journal of Applied Mathematics</i> , 2014 , 2014, 1-12	1.1	9
156	Stepanov-like pseudo almost automorphic mild solutions to nonautonomous evolution equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009 , 71, 2349-2360	1.3	9
155	Dynamic behavior of an eco-epidemic system with impulsive birth. <i>Journal of Mathematical Analysis and Applications</i> , 2008 , 345, 783-795	1.1	9
154	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
153	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
152	The Oscillation Amplitude, Not the Frequency of Cytosolic Calcium, Regulates Apoptosis Induction. <i>IScience</i> , 2020 , 23, 101671	6.1	8
151	SIR dynamics in random networks with communities. <i>Journal of Mathematical Biology</i> , 2018 , 77, 1117-1151		8
150	Bifurcation analysis in models for vector-borne diseases with logistic growth. <i>Scientific World Journal, The</i> , 2014 , 2014, 195864	2.2	8
149	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
148	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
147	Mathematical modeling and mechanisms of pattern formation in ecological systems: a review. <i>Nonlinear Dynamics</i> , 2021 , 104, 1677-1696	5	8
146	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
145	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
144	Threshold dynamics of an age-space structured SIR model on heterogeneous environment. <i>Applied Mathematics Letters</i> , 2019 , 96, 69-74	3.5	7

143	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
142	Epidemic spreading with time delay on complex networks. <i>Acta Mathematicae Applicatae Sinica</i> , 2016 , 32, 319-326	0.3	7
141	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
140	MEASUREMENT OF SELF-ORGANIZATION IN ARID ECOSYSTEMS. <i>Journal of Biological Systems</i> , 2010 , 18, 495-508	1.6	7
139	TRAVELING PATTERN INDUCED BY MIGRATION IN AN EPIDEMIC MODEL. <i>Journal of Biological Systems</i> , 2009 , 17, 319-328	1.6	7
138	Stepanov-like pseudo-almost periodic mild solutions to perturbed nonautonomous evolution equations with infinite delay. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009 , 71, 5381-5391	1.3	7
137	Pattern formation of a predator-prey model. <i>Nonlinear Analysis: Hybrid Systems</i> , 2009 , 3, 177-183	4.5	7
136	Dynamic behavior of a parasite-host model with general incidence. <i>Journal of Mathematical Analysis and Applications</i> , 2007 , 331, 631-643	1.1	7
135	Dynamic analysis of rumor propagation model based on true information spreader. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019 , 68, 150501	0.6	7
134	Spatiotemporal dynamics of a vegetation model with nonlocal delay in semi-arid environment. <i>Nonlinear Dynamics</i> , 2020 , 99, 3407-3420	5	7
133	Edge-based modeling of computer virus contagion on a tripartite graph. <i>Applied Mathematics and Computation</i> , 2018 , 320, 282-291	2.7	7
132	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
131	Global Dynamics Analysis of Homogeneous New Products Diffusion Model. <i>Discrete Dynamics in Nature and Society</i> , 2013 , 2013, 1-6	1.1	6
130	Pattern Dynamics in a Spatial Predator-Prey System with Allee Effect. <i>Abstract and Applied Analysis</i> , 2013 , 2013, 1-12	0.7	6
129	EXISTENCE OF TRAVELLING WAVES IN NONLINEAR SI EPIDEMIC MODELS. <i>Journal of Biological Systems</i> , 2009 , 17, 643-657	1.6	6
128	Existence of positive solutions of nonlinear m-point BVP for an increasing homeomorphism and positive homomorphism on time scales. <i>Journal of Computational and Applied Mathematics</i> , 2009 , 233, 188-196	2.4	6
127	EMERGENT TURING PATTERN IN EPIDEMIC SPREADING USING CELLULAR AUTOMATON. <i>International Journal of Modern Physics B</i> , 2011 , 25, 4605-4613	1.1	6
126	Pattern formation in a spatial plant-wrack model with tide effect on the wrack. <i>Journal of Biological Physics</i> , 2010 , 36, 161-74	1.6	6

125	THE EXISTENCE OF POSITIVE PERIODIC SOLUTIONS OF AN ECO-EPIDEMIC MODEL WITH IMPULSIVE BIRTH. <i>International Journal of Biomathematics</i> , 2008 , 01, 327-337	1.8	6
124	Mathematical Modelling and Sensitivity Assessment of COVID-19 Outbreak for Ghana and Egypt. <i>SSRN Electronic Journal</i> ,	1	6
123	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
122	An SIR pairwise epidemic model with infection age and demography. <i>Journal of Biological Dynamics</i> , 2018 , 12, 486-508	2.4	6
121	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
120	Estimation of COVID-19 outbreak size in Harbin, China. <i>Nonlinear Dynamics</i> , 2021 , 106, 1-9	5	6
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