

# Shigui Ruan

## 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.

244  
papers

10,711  
citations

54  
h-index

95  
g-index

260  
ext. papers

12,186  
ext. citations

2.3  
avg, IF

7.01  
L-index

#	Paper	IF	Citations
244	Stability analysis of an age-structured epidemic model with vaccination and standard incidence rate. <i>Nonlinear Analysis: Real World Applications</i> , <b>2022</b> , 66, 103525	2.1	1
243	On a macrophage and tumor cell chemotaxis system with both paracrine and autocrine loops. <i>Communications on Pure and Applied Analysis</i> , <b>2022</b> , 21, 1447	1.9	
242	Nonlinear age-structured population models with nonlocal diffusion and nonlocal boundary conditions. <i>Journal of Differential Equations</i> , <b>2021</b> , 278, 430-462	2.1	4
241	Approximation of random diffusion by nonlocal diffusion in age-structured models. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , <b>2021</b> , 72, 1	1.6	1
240	Spatial propagation in nonlocal dispersal Fisher-KPP equations. <i>Journal of Functional Analysis</i> , <b>2021</b> , 280, 108957	1.4	5
239	Estimating asymptomatic, undetected and total cases for the COVID-19 outbreak in Wuhan: a mathematical modeling study. <i>BMC Infectious Diseases</i> , <b>2021</b> , 21, 476	4	8
238	Periodic solutions of partial functional differential equations. <i>Proceedings of the American Mathematical Society, Series B</i> , <b>2021</b> , 8, 145-157	0.9	
237	Complex dynamics in a discrete SIS epidemic model with Ricker-type recruitment and disease-induced death. <i>Nonlinear Dynamics</i> , <b>2021</b> , 104, 4635	5	0
236	Mathematical analysis on an age-structured SIS epidemic model with nonlocal diffusion. <i>Journal of Mathematical Biology</i> , <b>2021</b> , 83, 5	2	1
235	On first-order hyperbolic partial differential equations with two internal variables modeling population dynamics of two physiological structures. <i>Annali Di Matematica Pura Ed Applicata</i> , <b>2021</b> , 200, 403-452	0.8	3
234	Dynamics of an intraguild predation food web model with strong Allee effect in the basal prey. <i>Nonlinear Analysis: Real World Applications</i> , <b>2021</b> , 58, 103206	2.1	7
233	Modelling homosexual and heterosexual transmissions of hepatitis B virus in China. <i>Journal of Biological Dynamics</i> , <b>2021</b> , 15, 177-194	2.4	
232	Global dynamics and complex patterns in Lotka-Volterra systems: The effects of both local and nonlocal intraspecific and interspecific competitions. <i>Journal of Mathematical Analysis and Applications</i> , <b>2021</b> , 499, 125015	1.1	3
231	Global dynamics of a predator-prey system with density-dependent mortality and ratio-dependent functional response. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2021</b> , 26, 1967-1990	1.3	3
230	Relaxation Oscillations and the Entry-Exit Function in Multidimensional Slow-Fast Systems. <i>SIAM Journal on Mathematical Analysis</i> , <b>2021</b> , 53, 3717-3758	1.7	3
229	Stability transition of persistence and extinction in an avian influenza model with Allee effect and stochasticity. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2020</b> , 91, 105416	3.7	2
228	Global Dynamics of a Susceptible-Infectious-Recovered Epidemic Model with a Generalized Nonmonotone Incidence Rate. <i>Journal of Dynamics and Differential Equations</i> , <b>2020</b> , 1-37	1.3	5

227	Age-Structured Population Dynamics with Nonlocal Diffusion. <i>Journal of Dynamics and Differential Equations</i> , <b>2020</b> , 1-35	1.3	7
226	On a Network Model of Two Competitors With Applications to the Invasion and Competition of <i>Aedes Albopictus</i> and <i>Aedes Aegypti</i> Mosquitoes in the United States. <i>SIAM Journal on Applied Mathematics</i> , <b>2020</b> , 80, 929-950	1.8	4
225	Nonlinear Physiologically Structured Population Models with Two Internal Variables. <i>Journal of Nonlinear Science</i> , <b>2020</b> , 30, 2847-2884	2.8	3
224	The effect of initial values on extinction or persistence in degenerate diffusion competition systems. <i>Journal of Mathematical Biology</i> , <b>2020</b> , 80, 1423-1458	2	1
223	Spreading Speed in an Integrodifference Predator-Prey System without Comparison Principle. <i>Bulletin of Mathematical Biology</i> , <b>2020</b> , 82, 53	2.1	4
222	Generalized traveling waves for time-dependent reaction-diffusion systems. <i>Mathematische Annalen</i> , <b>2020</b> , 381, 1	1	5
221	Periodic solutions of an age-structured epidemic model with periodic infection rate. <i>Communications on Pure and Applied Analysis</i> , <b>2020</b> , 19, 4955-4972	1.9	3
220	Bifurcation Analysis of a Dynamical Model for the Innate Immune Response to Initial Pulmonary Infections. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2020</b> , 30, 2050252	2	1
219	Bifurcation analysis in a host-generalist parasitoid model with Holling II functional response. <i>Journal of Differential Equations</i> , <b>2020</b> , 268, 4618-4662	2.1	14
218	Existence of periodic solutions in abstract semilinear equations and applications to biological models. <i>Journal of Differential Equations</i> , <b>2020</b> , 269, 11020-11061	2.1	3
217	Spatial propagation in an epidemic model with nonlocal diffusion: The influences of initial data and dispersals. <i>Science China Mathematics</i> , <b>2020</b> , 63, 2177-2206	0.8	8
216	Dynamics of a time-periodic two-strain SIS epidemic model with diffusion and latent period. <i>Nonlinear Analysis: Real World Applications</i> , <b>2020</b> , 51, 102966	2.1	11
215	Likelihood of survival of coronavirus disease 2019. <i>Lancet Infectious Diseases, The</i> , <b>2020</b> , 20, 630-631	25.5	153
214	Bifurcation Analysis of a Mosquito Population Model with a Saturated Release Rate of Sterile Mosquitoes. <i>SIAM Journal on Applied Dynamical Systems</i> , <b>2019</b> , 18, 939-972	2.8	13
213	Pattern Formation and Synchronism in an Allelopathic Plankton Model with Delay in a Network. <i>SIAM Journal on Applied Dynamical Systems</i> , <b>2019</b> , 18, 531-557	2.8	15
212	Modelling diapause in mosquito population growth. <i>Journal of Mathematical Biology</i> , <b>2019</b> , 78, 2259-2288		20
211	Optimal control of environmental cleaning and antibiotic prescription in an epidemiological model of methicillin-resistant <i>Staphylococcus aureus</i> infections in hospitals. <i>Mathematical Biosciences</i> , <b>2019</b> , 311, 13-30	3.9	11
210	Dynamics of a nonlocal dispersal SIS epidemic model with Neumann boundary conditions. <i>Journal of Differential Equations</i> , <b>2019</b> , 267, 2011-2051	2.1	20

209	Bifurcation analysis of an SIRS epidemic model with a generalized nonmonotone and saturated incidence rate. <i>Journal of Differential Equations</i> , <b>2019</b> , 267, 1859-1898	2.1	41
208	Modeling the seasonality of Methicillin-resistant infections in hospitals with environmental contamination. <i>Journal of Biological Dynamics</i> , <b>2019</b> , 13, 99-122	2.4	6
207	Modeling the effect of antibiotic exposure on the transmission of methicillin-resistant Staphylococcus aureus in hospitals with environmental contamination. <i>Mathematical Biosciences and Engineering</i> , <b>2019</b> , 16, 3641-3673	2.1	7
206	Modeling the Transmission Dynamics of Rabies for Dog, Chinese Ferret Badger and Human Interactions in Zhejiang Province, China. <i>Bulletin of Mathematical Biology</i> , <b>2019</b> , 81, 939-962	2.1	11
205	Local and Global Stabilities of a Viral Dynamics Model with Infection-Age and Immune Response. <i>Journal of Dynamics and Differential Equations</i> , <b>2019</b> , 31, 793-813	1.3	7
204	Fast propagation for reaction-diffusion cooperative systems. <i>Journal of Differential Equations</i> , <b>2018</b> , 265, 645-670	2.1	8
203	Bifurcations in a discrete predator-prey model with nonmonotonic functional response. <i>Journal of Mathematical Analysis and Applications</i> , <b>2018</b> , 464, 201-230	1.1	37
202	Traveling wave solutions in a two-group SIR epidemic model with constant recruitment. <i>Journal of Mathematical Biology</i> , <b>2018</b> , 77, 1871-1915	2	19
201	Analysis of a Dengue Model with Vertical Transmission and Application to the 2014 Dengue Outbreak in Guangdong Province, China. <i>Bulletin of Mathematical Biology</i> , <b>2018</b> , 80, 2633-2651	2.1	13
200	Modeling the importation and local transmission of vector-borne diseases in Florida: The case of Zika outbreak in 2016. <i>Journal of Theoretical Biology</i> , <b>2018</b> , 455, 342-356	2.3	6
199	Spatial and Temporal Dynamics of a Nonlocal Viral Infection Model. <i>SIAM Journal on Applied Mathematics</i> , <b>2018</b> , 78, 1954-1980	1.8	15
198	Modeling and Analysis of a Nonlinear Age-Structured Model for Tumor Cell Populations with Quiescence. <i>Journal of Nonlinear Science</i> , <b>2018</b> , 28, 1763-1791	2.8	6
197	On an advection-reaction-diffusion competition system with double free boundaries modeling invasion and competition of Aedes Albopictus and Aedes Aegypti mosquitoes. <i>Journal of Differential Equations</i> , <b>2018</b> , 265, 4016-4051	2.1	4
196	Traveling wave solutions for time periodic reaction-diffusion systems. <i>Discrete and Continuous Dynamical Systems</i> , <b>2018</b> , 38, 4329-4351	2	12
195	Semilinear Cauchy Problems with Non-dense Domain. <i>Applied Mathematical Sciences (Switzerland)</i> , <b>2018</b> , 217-248	0.9	1
194	Center Manifolds, Hopf Bifurcation, and Normal Forms. <i>Applied Mathematical Sciences (Switzerland)</i> , <b>2018</b> , 249-308	0.9	
193	Spectral Theory for Linear Operators. <i>Applied Mathematical Sciences (Switzerland)</i> , <b>2018</b> , 165-216	0.9	
192	Age-Structured Models. <i>Applied Mathematical Sciences (Switzerland)</i> , <b>2018</b> , 357-449	0.9	1

191	Theory and Applications of Abstract Semilinear Cauchy Problems. <i>Applied Mathematical Sciences (Switzerland)</i> , <b>2018</b> ,	0.9	34
190	Functional Differential Equations. <i>Applied Mathematical Sciences (Switzerland)</i> , <b>2018</b> , 309-356	0.9	
189	Seasonal transmission dynamics of measles in China. <i>Theory in Biosciences</i> , <b>2018</b> , 137, 185-195	1.3	16
188	Modeling the Transmission Dynamics of Clonorchiasis in Foshan, China. <i>Scientific Reports</i> , <b>2018</b> , 8, 151764.9	4.9	8
187	A conceptual model for optimizing vaccine coverage to reduce vector-borne infections in the presence of antibody-dependent enhancement. <i>Theoretical Biology and Medical Modelling</i> , <b>2018</b> , 15, 13	2.3	5
186	Bifurcation and temporal periodic patterns in a plant-pollinator model with diffusion and time delay effects. <i>Journal of Biological Dynamics</i> , <b>2017</b> , 11, 138-159	2.4	5
185	Linear and Weakly Nonlinear Stability Analyses of Turing Patterns for Diffusive Predator-Prey Systems in Freshwater Marsh Landscapes. <i>Bulletin of Mathematical Biology</i> , <b>2017</b> , 79, 560-593	2.1	4
184	A free boundary problem for <i>Aedes aegypti</i> mosquito invasion. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 46, 203-217	4.5	16
183	Traveling wave solutions in a two-group epidemic model with latent period. <i>Nonlinearity</i> , <b>2017</b> , 30, 1287-1325	4.25	27
182	Modeling the transmission dynamics and control of rabies in China. <i>Mathematical Biosciences</i> , <b>2017</b> , 286, 65-93	3.9	25
181	A comparison study of Zika virus outbreaks in French Polynesia, Colombia and the State of Bahia in Brazil. <i>Scientific Reports</i> , <b>2017</b> , 7, 273	4.9	25
180	Modeling Nosocomial Infections of Methicillin-Resistant <i>Staphylococcus aureus</i> with Environment Contamination. <i>Scientific Reports</i> , <b>2017</b> , 7, 580	4.9	25
179	Spatiotemporal epidemic models for rabies among animals. <i>Infectious Disease Modelling</i> , <b>2017</b> , 2, 277-287	5.7	8
178	Global properties of vector-host disease models with time delays. <i>Journal of Mathematical Biology</i> , <b>2017</b> , 74, 1397-1423	2	21
177	Nonlinear dynamics of avian influenza epidemic models. <i>Mathematical Biosciences</i> , <b>2017</b> , 283, 118-135	3.9	33
176	AVIAN INFLUENZA A H7N9 VIRUS HAS BEEN ESTABLISHED IN CHINA. <i>Journal of Biological Systems</i> , <b>2017</b> , 25, 605-623	1.6	9
175	On the existence of axisymmetric traveling fronts in Lotka-Volterra competition-diffusion systems in R3. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2017</b> , 22, 1111-1144	1.3	2
174	A mathematical model for the seasonal transmission of schistosomiasis in the lake and marshland regions of China. <i>Mathematical Biosciences and Engineering</i> , <b>2017</b> , 14, 1279-1299	2.1	13

173	Modeling and analyzing the transmission dynamics of visceral leishmaniasis. <i>Mathematical Biosciences and Engineering</i> , <b>2017</b> , 14, 1585-1604	2.1	11
172	A model for the coupling of the Greater Bairam and local environmental factors in promoting Rift-Valley Fever epizootics in Egypt. <i>Public Health</i> , <b>2016</b> , 130, 64-71	4	4
171	Bifurcation of Codimension 3 in a Predator-Prey System of Leslie Type with Simplified Holling Type IV Functional Response. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2016</b> , 26, 1650034	2	26
170	Normal Forms for an Age Structured Model. <i>Journal of Dynamics and Differential Equations</i> , <b>2016</b> , 28, 733-761	1.3	9
169	Bogdanov-Takens bifurcation of codimension 3 in a predator-prey model with constant-yield predator harvesting. <i>Communications on Pure and Applied Analysis</i> , <b>2016</b> , 15, 1041-1055	1.9	14
168	Modeling and control of local outbreaks of West Nile virus in the United States. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2016</b> , 21, 2423-2449	1.3	18
167	Prevention and Control of Zika as a Mosquito-Borne and Sexually Transmitted Disease: A Mathematical Modeling Analysis. <i>Scientific Reports</i> , <b>2016</b> , 6, 28070	4.9	193
166	Existence, uniqueness and stability of pyramidal traveling fronts in reaction-diffusion systems. <i>Science China Mathematics</i> , <b>2016</b> , 59, 1869-1908	0.8	15
165	Coinfection Dynamics of Two Diseases in a Single Host Population. <i>Journal of Mathematical Analysis and Applications</i> , <b>2016</b> , 442, 171-188	1.1	22
164	On the sexual transmission dynamics of hepatitis B virus in China. <i>Journal of Theoretical Biology</i> , <b>2015</b> , 369, 1-12	2.3	19
163	Modelling the effects of seasonality and socioeconomic impact on the transmission of rift valley Fever virus. <i>PLoS Neglected Tropical Diseases</i> , <b>2015</b> , 9, e3388	4.8	15
162	Modeling the geographic spread of rabies in China. <i>PLoS Neglected Tropical Diseases</i> , <b>2015</b> , 9, e0003772	4.8	16
161	Spatial, temporal and spatiotemporal patterns of diffusive predator-prey models with mutual interference. <i>IMA Journal of Applied Mathematics</i> , <b>2015</b> , 80, 1534-1568	1	50
160	Spatial dynamics of a lattice population model with two age classes and maturation delay. <i>European Journal of Applied Mathematics</i> , <b>2015</b> , 26, 61-91	1	10
159	Global stability of an age-structured virus dynamics model with Beddington-DeAngelis infection function. <i>Mathematical Biosciences and Engineering</i> , <b>2015</b> , 12, 859-77	2.1	29
158	On avian influenza epidemic models with time delay. <i>Theory in Biosciences</i> , <b>2015</b> , 134, 75-82	1.3	17
157	Malaria Models with Spatial Effects. <i>Wiley Series in Probability and Statistics</i> , <b>2015</b> , 109-136	1.3	1
156	Global dynamics of avian influenza epidemic models with psychological effect. <i>Computational and Mathematical Methods in Medicine</i> , <b>2015</b> , 2015, 913726	2.8	26

155	Spatiotemporal Dynamics of a Diffusive Leslie-Gower Predator-Prey Model with Ratio-Dependent Functional Response. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2015</b> , 25, 1530014	2	16
154	Stability and backward bifurcation in a malaria transmission model with applications to the control of malaria in China. <i>Mathematical Biosciences</i> , <b>2015</b> , 266, 52-64	3.9	28
153	Global dynamics of a delayed within-host viral infection model with both virus-to-cell and cell-to-cell transmissions. <i>Mathematical Biosciences</i> , <b>2015</b> , 270, 183-91	3.9	95
152	Persistence and failure of complete spreading in delayed reaction-diffusion equations. <i>Proceedings of the American Mathematical Society</i> , <b>2015</b> , 144, 1059-1072	0.8	3
151	Entire solutions for nonlocal dispersal equations with spatio-temporal delay: Monostable case. <i>Journal of Differential Equations</i> , <b>2015</b> , 258, 2435-2470	2.1	21
150	Analysis of three species Lotka-Volterra food web models with omnivory. <i>Journal of Mathematical Analysis and Applications</i> , <b>2015</b> , 426, 659-687	1.1	50
149	Transmission dynamics and optimal control of measles epidemics. <i>Applied Mathematics and Computation</i> , <b>2015</b> , 256, 131-147	2.7	36
148	Schistosomiasis transmission and control in China. <i>Acta Tropica</i> , <b>2015</b> , 143, 51-7	3.2	31
147	Oscillations in age-structured models of consumer-resource mutualisms. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2015</b> , 21, 537-555	1.3	14
146	The Decay Rates of Traveling Waves and Spectral Analysis for a Class of Nonlocal Evolution Equations. <i>Mathematical Modelling of Natural Phenomena</i> , <b>2015</b> , 10, 142-162	3	5
145	Transmission Dynamics of Rift Valley Fever Virus: Effects of Live and Killed Vaccines on Epizootic Outbreaks and enzootic Maintenance. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1568	5.7	6
144	Traveling Wave Solutions for Delayed Reaction-Diffusion Systems and Applications to Diffusive Lotka-Volterra Competition Models with Distributed Delays. <i>Journal of Dynamics and Differential Equations</i> , <b>2014</b> , 26, 583-605	1.3	45
143	A modeling approach to investigate epizootic outbreaks and enzootic maintenance of Rift Valley fever virus. <i>Bulletin of Mathematical Biology</i> , <b>2014</b> , 76, 2052-72	2.1	20
142	Susceptible-infectious-recovered models revisited: from the individual level to the population level. <i>Mathematical Biosciences</i> , <b>2014</b> , 250, 26-40	3.9	16
141	Normal forms for semilinear equations with non-dense domain with applications to age structured models. <i>Journal of Differential Equations</i> , <b>2014</b> , 257, 921-1011	2.1	25
140	Bifurcations in a predator-prey system of Leslie type with generalized Holling type III functional response. <i>Journal of Differential Equations</i> , <b>2014</b> , 257, 1721-1752	2.1	114
139	Time periodic traveling wave solutions for periodic advection-reaction-diffusion systems. <i>Journal of Differential Equations</i> , <b>2014</b> , 257, 1078-1147	2.1	44
138	Periodic and chaotic oscillations in a tumor and immune system interaction model with three delays. <i>Chaos</i> , <b>2014</b> , 24, 023101	3.3	28

137	A PERIODIC ROSS-MACDONALD MODEL IN A PATCHY ENVIRONMENT. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2014</b> , 19, 3133-3145	1.3	17
136	Single species models with logistic growth and dissymmetric impulse dispersal. <i>Mathematical Biosciences</i> , <b>2013</b> , 241, 188-97	3.9	8
135	Modeling the spatial spread of Rift Valley fever in Egypt. <i>Bulletin of Mathematical Biology</i> , <b>2013</b> , 75, 523-42	2.3	23
134	Bifurcation analysis in a predator-prey model with constant-yield predator harvesting. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2013</b> , 18, 2101-2121	1.3	49
133	Entire Solutions in Lattice Delayed Differential Equations with Nonlocal Interaction: Bistable Cases. <i>Mathematical Modelling of Natural Phenomena</i> , <b>2013</b> , 8, 78-103	3	20
132	Bifurcations in Delay Differential Equations and Applications to Tumor and Immune System Interaction Models. <i>SIAM Journal on Applied Dynamical Systems</i> , <b>2013</b> , 12, 1847-1888	2.8	36
131	Bifurcations of Invariant Tori in Predator-Prey Models with Seasonal Prey Harvesting. <i>SIAM Journal on Applied Mathematics</i> , <b>2013</b> , 73, 1876-1905	1.8	35
130	On the dynamics of two-consumers-one-resource competing systems with Beddington-DeAngelis functional response. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2013</b> , 18, 2331-2353	1.3	13
129	Global dynamics and bifurcations in a four-dimensional replicator system. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2013</b> , 18, 259-271	1.3	4
128	Projectors on the Generalized Eigenspaces for Partial Differential Equations with Time Delay. <i>Fields Institute Communications</i> , <b>2013</b> , 353-390	0.4	10
127	Dynamics of rabies epidemics and the impact of control efforts in Guangdong Province, China. <i>Journal of Theoretical Biology</i> , <b>2012</b> , 300, 39-47	2.3	30
126	A MULTI-PATCH MALARIA MODEL WITH LOGISTIC GROWTH POPULATIONS. <i>SIAM Journal on Applied Mathematics</i> , <b>2012</b> , 72, 819-841	1.8	58
125	Analysis of SIR epidemic models with nonlinear incidence rate and treatment. <i>Mathematical Biosciences</i> , <b>2012</b> , 238, 12-20	3.9	83
124	A delay equation model for oviposition habitat selection by mosquitoes. <i>Journal of Mathematical Biology</i> , <b>2012</b> , 65, 1125-48	2	8
123	Modeling methicillin-resistant Staphylococcus aureus in hospitals: transmission dynamics, antibiotic usage and its history. <i>Theoretical Biology and Medical Modelling</i> , <b>2012</b> , 9, 25	2.3	34
122	Modeling the spread of methicillin-resistant Staphylococcus aureus in nursing homes for elderly. <i>PLoS ONE</i> , <b>2012</b> , 7, e29757	3.7	38
121	Modeling seasonal rabies epidemics in China. <i>Bulletin of Mathematical Biology</i> , <b>2012</b> , 74, 1226-51	2.1	55
120	Periodic orbits near heteroclinic cycles in a cyclic replicator system. <i>Journal of Mathematical Biology</i> , <b>2012</b> , 64, 855-72	2	5



119	SPATIAL SPREAD OF RABIES IN CHINA. <i>Journal of Applied Analysis and Computation</i> , <b>2012</b> , 2, 111-126	0.4	3
118	Efficacy of infection control interventions in reducing the spread of multidrug-resistant organisms in the hospital setting. <i>PLoS ONE</i> , <b>2012</b> , 7, e30170	3.7	44
117	Stable periodic oscillations in a two-stage cancer model of tumor and immune system interactions. <i>Mathematical Biosciences and Engineering</i> , <b>2012</b> , 9, 347-68	2.1	16
116	An SIS patch model with variable transmission coefficients. <i>Mathematical Biosciences</i> , <b>2011</b> , 232, 110-5	3.9	63
115	Analysis of rabies in China: transmission dynamics and control. <i>PLoS ONE</i> , <b>2011</b> , 6, e20891	3.7	86
114	Modelling the transmission dynamics of meticillin-resistant <i>Staphylococcus aureus</i> in Beijing Tongren hospital. <i>Journal of Hospital Infection</i> , <b>2011</b> , 79, 302-8	6.9	26
113	Spreading speeds and traveling waves in competitive recursion systems. <i>Journal of Mathematical Biology</i> , <b>2011</b> , 62, 165-201	2	25
112	Periodicity and synchronization in blood-stage malaria infection. <i>Journal of Mathematical Biology</i> , <b>2011</b> , 63, 557-74	2	19
111	Hopf bifurcation for non-densely defined Cauchy problems. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , <b>2011</b> , 62, 191-222	1.6	52
110	Emergence and dynamics of influenza super-strains. <i>BMC Public Health</i> , <b>2011</b> , 11 Suppl 1, S6	4.1	6
109	Dynamics of a Model of Allelopathy and Bacteriocin with a Single Mutation. <i>Nonlinear Analysis: Real World Applications</i> , <b>2011</b> , 12, 658-670	2.1	2
108	Existence, Uniqueness and Asymptotic Stability of Time Periodic Traveling Waves for a Periodic Lotka-Volterra Competition System with Diffusion. <i>Journal Des Mathematiques Pures Et Appliquees</i> , <b>2011</b> , 96, 627-671	1.7	62
107	Attractors for non-autonomous parabolic problems with singular initial data. <i>Journal of Differential Equations</i> , <b>2011</b> , 251, 728-757	2.1	5
106	Monostable wavefronts in cooperative Lotka-Volterra systems with nonlocal delays. <i>Discrete and Continuous Dynamical Systems</i> , <b>2011</b> , 31, 1-23	2	37
105	Bifurcations of an SIRS epidemic model with nonlinear incidence rate. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2011</b> , 15, 93-112	1.3	34
104	Nongeneric bifurcations near heterodimensional cycles with inclination flip in $\mathbb{R}^4$ . <i>Discrete and Continuous Dynamical Systems - Series S</i> , <b>2011</b> , 4, 1511-1532	2.8	5
103	The within-host dynamics of malaria infection with immune response. <i>Mathematical Biosciences and Engineering</i> , <b>2011</b> , 8, 999-1018	2.1	24
102	Sustained oscillations in an evolutionary epidemiological model of influenza A drift. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2010</b> , 466, 965-992	2.4	19

101	Competition of hospital-acquired and community-acquired methicillin-resistant <i>Staphylococcus aureus</i> strains in hospitals. <i>Journal of Biological Dynamics</i> , <b>2010</b> , 4, 115-29	2.4	25
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