Sanyi Tang

List of Publications by Year in Descending Order

163 papers	4,645 citations	33 h-index	64 g-index
172 ext. papers	5,538 ext. citations	3.2 avg, IF	6.37 L-index

#	Paper	IF	Citations
163	Models to assess imported cases on the rebound of COVID-19 and design a long-term border control strategy in Heilongjiang Province, China.. *Mathematical Biosciences and Engineering*, **2022**, 19, 1-33	2.1	0
162	Bifurcation and Dynamic Analyses of Non-monotonic Predator–Prey System with Constant Releasing Rate of Predators. *Qualitative Theory of Dynamical Systems*, **2022**, 21, 1	0.8	0
161	Bifurcation analysis of an ecological model with nonlinear state-dependent feedback control by Poincaré map defined in phase set. *Communications in Nonlinear Science and Numerical Simulation*, **2022**, 108, 106212	3.7	1
160	A quantitative method to project the probability of the end of an epidemic: Application to the COVID-19 outbreak in Wuhan, 2020.. *Journal of Theoretical Biology*, **2022**, 545, 111149	2.3	0
159	Dynamics of an Antitumour Model with Pulsed Radioimmunotherapy. *Computational and Mathematical Methods in Medicine*, **2022**, 2022, 1-19	2.8	
158	A Universal Delayed Difference Model Fitting Dose-response Curves.. *Dose-Response*, **2021**, 19, 15593258211062785	2.3	2
157	Statistical analysis of one-compartment pharmacokinetic models with drug adherence. *Journal of Pharmacokinetics and Pharmacodynamics*, **2021**, 1	2.7	0
156	Evidence for a Causal Relationship between the Solar Cycle and Locust Abundance. *Agronomy*, **2021**, 11, 69	3.6	1
155	Effects of medical resource capacities and intensities of public mitigation measures on outcomes of COVID-19 outbreaks. *BMC Public Health*, **2021**, 21, 605	4.1	4
154	Complex Dynamics of a Filippov Three-Species Food Chain Model. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2021**, 31, 2150074	2	2
153	The risk of future waves of COVID-19: modeling and data analysis. *Mathematical Biosciences and Engineering*, **2021**, 18, 5409-5426	2.1	4
152	Assessing effects of reopening policies on COVID-19 pandemic in Texas with a data-driven transmission model. *Infectious Disease Modelling*, **2021**, 6, 461-473	15.7	3
151	Impacts of varying strengths of intervention measures on secondary outbreaks of COVID-19 in two different regions. *Nonlinear Dynamics*, **2021**, 104, 1-20	5	4
150	Joint impacts of media, vaccination and treatment on an epidemic Filippov model with application to COVID-19. *Journal of Theoretical Biology*, **2021**, 523, 110698	2.3	13
149	Non-smooth ecological systems with a switching threshold depending on the pest density and its rate of change. *Nonlinear Analysis: Hybrid Systems*, **2021**, 42, 101094	4.5	1
148	Dynamics of a density-dependent predator-prey biological system with nonlinear impulsive control. *Mathematical Biosciences and Engineering*, **2021**, 18, 7318-7343	2.1	1
147	Lessons drawn from China and South Korea for managing COVID-19 epidemic: Insights from a comparative modeling study.. *ISA Transactions*, **2021**,	5.5	2

146	Analysis of a High-Dimensional Mathematical Model for Plant Virus Transmission with Continuous and Impulsive Roguing Control. *Discrete Dynamics in Nature and Society*, **2021**, 2021, 1-26	1.1	
145	Coupling the Macroscale to the Microscale in a Spatiotemporal Context to Examine Effects of Spatial Diffusion on Disease Transmission. *Bulletin of Mathematical Biology*, **2020**, 82, 58	2.1	1
144	Declining trend in HIV new infections in Guangxi, China: insights from linking reported HIV/AIDS cases with CD4-at-diagnosis data. *BMC Public Health*, **2020**, 20, 919	4.1	2
143	Linking key intervention timing to rapid decline of the COVID-19 effective reproductive number to quantify lessons from mainland China. *International Journal of Infectious Diseases*, **2020**, 97, 296-298	10.5	12
142	The Impulsive Model with Pest Density and Its Change Rate Dependent Feedback Control. *Discrete Dynamics in Nature and Society*, **2020**, 2020, 1-20	1.1	3
141	Impact of media reports on the early spread of COVID-19 epidemic. *Journal of Theoretical Biology*, **2020**, 502, 110385	2.3	19
140	Estimation of the Transmission Risk of the 2019-nCoV and Its Implication for Public Health Interventions. *Journal of Clinical Medicine*, **2020**, 9,	5.1	707
139	An updated estimation of the risk of transmission of the novel coronavirus (2019-nCov). *Infectious Disease Modelling*, **2020**, 5, 248-255	15.7	378
138	The effectiveness of quarantine and isolation determine the trend of the COVID-19 epidemics in the final phase of the current outbreak in China. *International Journal of Infectious Diseases*, **2020**, 95, 288-293	10.5	138
137	Complex dynamics and coexistence of period-doubling and period-halving bifurcations in an integrated pest management model with nonlinear impulsive control. *Advances in Difference Equations*, **2020**, 2020,	3.6	1
136	A discrete stochastic model of the COVID-19 outbreak: Forecast and control. *Mathematical Biosciences and Engineering*, **2020**, 17, 2792-2804	2.1	102
135	Impact of Hospital Bed Shortages on the Containment of COVID-19 in Wuhan. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	12
134	Bifurcation Analysis of a Generalized Impulsive Kolmogorov Model With Applications to Pest and Disease Control. *SIAM Journal on Applied Mathematics*, **2020**, 80, 1796-1819	1.8	7
133	A Holling Type II Discrete Switching Host-Parasitoid System with a Nonlinear Threshold Policy for Integrated Pest Management. *Discrete Dynamics in Nature and Society*, **2020**, 2020, 1-14	1.1	
132	A stochastic epidemic model coupled with seasonal air pollution: analysis and data fitting. *Stochastic Environmental Research and Risk Assessment*, **2020**, 34, 2245-2257	3.5	3
131	A combination of climatic conditions determines major within-season dengue outbreaks in Guangdong Province, China. *Parasites and Vectors*, **2019**, 12, 45	4	8
130	A stochastic SIS model driven by random diffusion of air pollutants. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 532, 121759	3.3	11
129	Identifying Risk Factors Of A(H7N9) Outbreak by Wavelet Analysis and Generalized Estimating Equation. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	2

128	Threshold Dynamics and Bifurcation of a State-Dependent Feedback Nonlinear Control SusceptibleInfectedRecovered Model1. *Journal of Computational and Nonlinear Dynamics*, **2019**, 14,	1.4	3
127	A reaction-diffusion population growth equation with multiple pulse perturbations. *Communications in Nonlinear Science and Numerical Simulation*, **2019**, 74, 122-137	3.7	7
126	Modelling and Analyzing Virus Mutation Dynamics of Chikungunya Outbreaks. *Scientific Reports*, **2019**, 9, 2860	4.9	9
125	A general model of hormesis in biological systems and its application to pest management. *Journal of the Royal Society Interface*, **2019**, 16, 20190468	4.1	15
124	The State-Dependent Impulsive Model with Action Threshold Depending on the Pest Density and Its Changing Rate. *Complexity*, **2019**, 2019, 1-15	1.6	3
123	Global dynamics of a nonlinear state-dependent feedback control ecological model with a multiple-hump discrete map. *Communications in Nonlinear Science and Numerical Simulation*, **2019**, 79, 104900	3.7	5
122	DYNAMIC COMPLEXITY OF A PREDATOR-PREY MODEL FOR IPM WITH NONLINEAR IMPULSIVE CONTROL INCORPORATING A REGULATORY FACTOR FOR PREDATOR RELEASES. *Mathematical Modelling and Analysis*, **2019**, 24, 134-154	1.3	8
121	Air quality index induced nonsmooth system for respiratory infection. *Journal of Theoretical Biology* , **2019**, 460, 160-169	2.3	3
120	Models to assess the effects of non-identical sex ratio augmentations of Wolbachia-carrying mosquitoes on the control of dengue disease. *Mathematical Biosciences*, **2018**, 299, 58-72	3.9	8
119	Travelling waves and paradoxical effects in a discrete-time growth-dispersal model. *Applied Mathematical Modelling*, **2018**, 59, 132-146	4.5	1
118	Robust stability analysis of impulsive complex-valued neural networks with mixed time delays and parameter uncertainties. *Advances in Difference Equations*, **2018**, 2018,	3.6	3
117	Measuring the impact of air pollution on respiratory infection risk in China. *Environmental Pollution*, **2018**, 232, 477-486	9.3	39
116	Nonlinear state-dependent feedback control of a pest-natural enemy system. *Nonlinear Dynamics*, **2018**, 94, 2243-2263	5	10
115	Vaccination threshold size and backward bifurcation of SIR model with state-dependent pulse control. *Journal of Theoretical Biology*, **2018**, 455, 75-85	2.3	18
114	Analyzing a generalized pest-natural enemy model with nonlinear impulsive control. *Open Mathematics*, **2018**, 16, 1390-1411	0.8	2
113	Periodic Solution Bifurcation and Spiking Dynamics of Impacting PredatorPrey Dynamical Model. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2018**, 28, 1850147	2	6
112	A discrete host-parasitoid model with development of pesticide resistance and IPM strategies. *Journal of Biological Dynamics*, **2018**, 12, 1059-1078	2.4	1
111	Stochastic Modelling of Air Pollution Impacts on Respiratory Infection Risk. *Bulletin of Mathematical Biology*, **2018**, 80, 3127-3153	2.1	15

110	Holling-Tanner Predator-Prey Model with State-Dependent Feedback Control. *Discrete Dynamics in Nature and Society*, **2018**, 2018, 1-18	1.1	1
109	Data informed analysis of 2014 dengue fever outbreak in Guangzhou: Impact of multiple environmental factors and vector control. *Journal of Theoretical Biology*, **2017**, 416, 161-179	2.3	6
108	Cumulative effects of incorrect use of pesticides can lead to catastrophic outbreaks of pests. *Chaos, Solitons and Fractals*, **2017**, 100, 7-19	9.3	4
107	A multiscale model on hospital infections coupling macro and micro dynamics. *Communications in Nonlinear Science and Numerical Simulation*, **2017**, 50, 256-270	3.7	2
106	Multiscale modelling the effects of CI genetic evolution in mosquito population on the control of dengue fever. *Scientific Reports*, **2017**, 7, 13895	4.9	2
105	A Holling Type II Pest and Natural Enemy Model with Density Dependent IPM Strategy. *Mathematical Problems in Engineering*, **2017**, 2017, 1-12	1.1	5
104	Personalized life expectancy and treatment benefit index of antiretroviral therapy. *Theoretical Biology and Medical Modelling*, **2017**, 14, 1	2.3	4
103	Modelling the regulatory system of a chemostat model with a threshold window. *Mathematics and Computers in Simulation*, **2017**, 132, 220-235	3.3	7
102	Mathematical analysis of an HIV latent infection model including both virus-to-cell infection and cell-to-cell transmission. *Journal of Biological Dynamics*, **2017**, 11, 455-483	2.4	46
101	Robust stability analysis of impulsive complex-valued neural networks with time delays and parameter uncertainties. *Journal of Inequalities and Applications*, **2017**, 2017, 215	2.1	12
100	A stochastic differential equation model for pest management. *Advances in Difference Equations*, **2017**, 2017,	3.6	3
99	On the continuity of the function describing the times of meeting impulsive set and its application. *Mathematical Biosciences and Engineering*, **2017**, 14, 1399-1406	2.1	8
98	Holling type II predator–prey model with nonlinear pulse as state-dependent feedback control. *Journal of Computational and Applied Mathematics*, **2016**, 291, 225-241	2.4	27
97	Modelling weekly vector control against Dengue in the Guangdong Province of China. *Journal of Theoretical Biology*, **2016**, 410, 65-76	2.3	27
96	The reverse effects of random perturbation on discrete systems for single and multiple population models. *Chaos, Solitons and Fractals*, **2016**, 91, 198-209	9.3	1
95	Beverton–Holt discrete pest management models with pulsed chemical control and evolution of pesticide resistance. *Communications in Nonlinear Science and Numerical Simulation*, **2016**, 36, 327-341	3.7	10
94	Media coverage and hospital notifications: Correlation analysis and optimal media impact duration to manage a pandemic. *Journal of Theoretical Biology*, **2016**, 390, 1-13	2.3	40
93	Dynamics of an HIV Model with Multiple Infection Stages and Treatment with Different Drug Classes. *Bulletin of Mathematical Biology*, **2016**, 78, 322-49	2.1	17

92	The regulatory system for diabetes mellitus: Modeling rates of glucose infusions and insulin injections. *Communications in Nonlinear Science and Numerical Simulation*, **2016**, 37, 305-325	3.7	8
91	Early HAART Initiation May Not Reduce Actual Reproduction Number and Prevalence of MSM Infection: Perspectives from Coupled within- and between-Host Modelling Studies of Chinese MSM Populations. *PLoS ONE*, **2016**, 11, e0150513	3.7	7
90	A Locust Phase Change Model with Multiple Switching States and Random Perturbation. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2016**, 26, 1630037	2	5
89	Pure Bt-crop and mixed seed sowing strategies for optimal economic profit in the face of pest resistance to pesticides and Bt-corn. *Applied Mathematics and Computation*, **2016**, 283, 6-21	2.7	3
88	A Feedback Control Model of Comprehensive Therapy for Treating Immunogenic Tumours. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2016**, 26, 1650039	2	20
87	Effects of limited medical resource on a Filippov infectious disease model induced by selection pressure. *Applied Mathematics and Computation*, **2016**, 283, 339-354	2.7	18
86	Modeling the Effects of Augmentation Strategies on the Control of Dengue Fever With an Impulsive Differential Equation. *Bulletin of Mathematical Biology*, **2016**, 78, 1968-2010	2.1	17
85	A stage structured mosquito model incorporating effects of precipitation and daily temperature fluctuations. *Journal of Theoretical Biology*, **2016**, 411, 27-36	2.3	19
84	Complex dynamics and bifurcation analysis of host□parasitoid models with impulsive control strategy. *Chaos, Solitons and Fractals*, **2016**, 91, 522-532	9.3	2
83	Models to assess how best to replace dengue virus vectors with Wolbachia-infected mosquito populations. *Mathematical Biosciences*, **2015**, 269, 164-77	3.9	25
82	Duality in Phase Space and Complex Dynamics of an Integrated Pest Management Network Model. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2015**, 25, 1550103	2	3
81	On impulsive pest control using integrated intervention strategies. *Applied Mathematics and Computation*, **2015**, 269, 930-946	2.7	7
80	Models for determining how many natural enemies to release inoculatively in combinations of biological and chemical control with pesticide resistance. *Journal of Mathematical Analysis and Applications*, **2015**, 422, 1479-1503	1.1	20
79	Modelling pulsed immunotherapy of tumour□mmune interaction. *Mathematics and Computers in Simulation*, **2015**, 109, 92-112	3.3	15
78	Modelling the regulatory system for diabetes mellitus with a threshold window. *Communications in Nonlinear Science and Numerical Simulation*, **2015**, 22, 478-491	3.7	10
77	Birth-pulse models of Wolbachia-induced cytoplasmic incompatibility in mosquitoes for dengue virus control. *Nonlinear Analysis: Real World Applications*, **2015**, 22, 236-258	2.1	18
76	Global dynamics of a state-dependent feedback control system. *Advances in Difference Equations*, **2015**, 2015,	3.6	32
75	Model Selection and Evaluation Based on Emerging Infectious Disease Data Sets including A/H1N1 and Ebola. *Computational and Mathematical Methods in Medicine*, **2015**, 2015, 207105	2.8	15

74	Qualitative Analysis of a Quadratic Integrate-and-Fire Neuron Model with State-Dependent Feedback Control. *Discrete Dynamics in Nature and Society*, **2015**, 2015, 1-12	1.1	1
73	Media impact switching surface during an infectious disease outbreak. *Scientific Reports*, **2015**, 5, 7838	4.9	97
72	Holling II predator–prey impulsive semi-dynamic model with complex Poincaré map. *Nonlinear Dynamics*, **2015**, 81, 1575-1596	5	52
71	Transmission potential of the novel avian influenza A(H7N9) infection in mainland China. *Journal of Theoretical Biology*, **2014**, 352, 1-5	2.3	29
70	Complex dynamics and switching transients in periodically forced Filippov prey–predator system. *Chaos, Solitons and Fractals*, **2014**, 61, 13-23	9.3	7
69	The selection pressures induced non-smooth infectious disease model and bifurcation analysis. *Chaos, Solitons and Fractals*, **2014**, 69, 160-171	9.3	8
68	Global dynamic analysis of a vector-borne plant disease model. *Advances in Difference Equations*, **2014**, 2014,	3.6	28
67	Existence of multiple sliding segments and bifurcation analysis of Filippov prey–predator model. *Applied Mathematics and Computation*, **2014**, 239, 265-284	2.7	13
66	Codimension-1 Sliding Bifurcations of a Filippov Pest Growth Model with Threshold Policy. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2014**, 24, 1450122	2	11
65	Discrete Switching Host-Parasitoid Models with Integrated Pest Control. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2014**, 24, 1450114	2	9
64	Predator–prey population models of migrant insects with phase change. *ICES Journal of Marine Science*, **2014**, 71, 2221-2230	2.7	5
63	Generalized Predator-Prey Model with Nonlinear Impulsive Control Strategy. *Journal of Applied Mathematics*, **2014**, 2014, 1-11	1.1	2
62	The Effects of Resource Limitation on a Predator-Prey Model with Control Measures as Nonlinear Pulses. *Mathematical Problems in Engineering*, **2014**, 2014, 1-13	1.1	10
61	Optimal Application Timing of Pest Control Tactics in Nonautonomous Pest Growth Model. *Abstract and Applied Analysis*, **2014**, 2014, 1-12	0.7	1
60	Global analysis of a Holling type II predator–prey model with a constant prey refuge. *Nonlinear Dynamics*, **2014**, 76, 635-647	5	33
59	Modeling the impact on HIV incidence of combination prevention strategies among men who have sex with men in Beijing, China. *PLoS ONE*, **2014**, 9, e90985	3.7	31
58	Threshold conditions for integrated pest management models with pesticides that have residual effects. *Journal of Mathematical Biology*, **2013**, 66, 1-35	2	50
57	Adaptive release of natural enemies in a pest-natural enemy system with pesticide resistance. *Bulletin of Mathematical Biology*, **2013**, 75, 2167-95	2.1	15

56	Analytical methods for detecting pesticide switches with evolution of pesticide resistance. *Mathematical Biosciences*, **2013**, 245, 249-57	3.9	27
55	Global stability and sliding bifurcations of a non-smooth Gause predator–prey system. *Applied Mathematics and Computation*, **2013**, 224, 9-20	2.7	17
54	Predicting the HIV/AIDS epidemic and measuring the effect of mobility in mainland China. *Journal of Theoretical Biology*, **2013**, 317, 271-85	2.3	32
53	Modeling antiretroviral drug responses for HIV-1 infected patients using differential equation models. *Advanced Drug Delivery Reviews*, **2013**, 65, 940-53	18.5	42
52	Global qualitative analysis of a non-smooth Gause predator–prey model with a refuge. *Nonlinear Analysis: Theory, Methods & Applications*, **2013**, 76, 165-180	1.3	50
51	Nonlinear Pulse Vaccination in an SIR Epidemic Model with Resource Limitation. *Abstract and Applied Analysis*, **2013**, 2013, 1-13	0.7	5
50	Stability and Hopf Bifurcation Analysis for a Stage-Structured Predator-Prey Model with Discrete and Distributed Delays. *Journal of Applied Mathematics*, **2013**, 2013, 1-10	1.1	1
49	Two Generalized Predator-Prey Models for Integrated Pest Management with Stage Structure and Disease in the Prey Population. *Abstract and Applied Analysis*, **2013**, 2013, 1-13	0.7	2
48	Filippov Ratio-Dependent Prey-Predator Model with Threshold Policy Control. *Abstract and Applied Analysis*, **2013**, 2013, 1-11	0.7	6
47	Dynamics of an infectious diseases with media/psychology induced non-smooth incidence. *Mathematical Biosciences and Engineering*, **2013**, 10, 445-61	2.1	84
46	Campus quarantine (Fengxiao) for curbing emergent infectious diseases: lessons from mitigating A/H1N1 in Xi'an, China. *Journal of Theoretical Biology*, **2012**, 295, 47-58	2.3	42
45	Piecewise HIV virus dynamic model with CD4(+) T cell count-guided therapy: I. *Journal of Theoretical Biology*, **2012**, 308, 123-34	2.3	33
44	Optimal timing of interventions in fishery resource and pest management. *Nonlinear Analysis: Real World Applications*, **2012**, 13, 1630-1646	2.1	12
43	An integrated pest management model with delayed responses to pesticide applications and its threshold dynamics. *Nonlinear Analysis: Real World Applications*, **2012**, 13, 2352-2374	2.1	31
42	Sliding Bifurcations of Filippov Two Stage Pest Control Models with Economic Thresholds. *SIAM Journal on Applied Mathematics*, **2012**, 72, 1061-1080	1.8	82
41	Sliding mode control of outbreaks of emerging infectious diseases. *Bulletin of Mathematical Biology* , **2012**, 74, 2403-22	2.1	69
40	THE EFFECTS OF TIMING OF PULSE SPRAYING AND RELEASING PERIODS ON DYNAMICS OF GENERALIZED PREDATOR-PREY MODEL. *International Journal of Biomathematics*, **2012**, 05, 1250012	1.8	13
39	The effects of impulsive releasing methods of natural enemies on pest control and dynamical complexity. *Nonlinear Analysis: Hybrid Systems*, **2011**, 5, 540-553	4.5	15

38	Impulsive harvesting and by-catch mortality for the theta logistic model. *Applied Mathematics and Computation*, **2011**, 217, 9412-9423	2.7	6
37	Modelling disease spread in dispersal networks at two levels. *Mathematical Medicine and Biology*, **2011**, 28, 227-44	1.3	17
36	Community-based measures for mitigating the 2009 H1N1 pandemic in China. *PLoS ONE*, **2010**, 5, e10911	3.7	58
35	Dynamics of infection with nonlinear incidence in a simple vaccination model. *Nonlinear Analysis: Real World Applications*, **2010**, 11, 4154-4163	2.1	43
34	Optimum timing for integrated pest management: modelling rates of pesticide application and natural enemy releases. *Journal of Theoretical Biology*, **2010**, 264, 623-38	2.3	82
33	Dynamical analysis of plant disease models with cultural control strategies and economic thresholds. *Mathematics and Computers in Simulation*, **2010**, 80, 894-921	3.3	42
32	Optimal dosage and economic threshold of multiple pesticide applications for pest control. *Mathematical and Computer Modelling*, **2010**, 51, 487-503		29
31	Effects of population dispersal and impulsive control tactics on pest management. *Nonlinear Analysis: Hybrid Systems*, **2009**, 3, 487-500	4.5	12
30	Effects of predator and prey dispersal on success or failure of biological control. *Bulletin of Mathematical Biology*, **2009**, 71, 2025-47	2.1	19
29	The effect of delayed host self-regulation on host-pathogen population cycles in forest insects. *Journal of Theoretical Biology*, **2009**, 258, 240-9	2.3	2
28	Dynamics of high-order BAM neural networks with and without impulses. *Applied Mathematics and Computation*, **2009**, 215, 2120-2133	2.7	10
27	Bayesian inference for a stochastic logistic model with switching points. *Ecological Modelling*, **2008**, 219, 153-169	3	6
26	Multiple attractors of host-parasitoid models with integrated pest management strategies: eradication, persistence and outbreak. *Theoretical Population Biology*, **2008**, 73, 181-97	1.2	70
25	Models for integrated pest control and their biological implications. *Mathematical Biosciences*, **2008**, 215, 115-25	3.9	104
24	A COMPARISON INVESTIGATION OF THE SIMPLEST MODELS OF CIRCADIAN RHYTHMS. *International Journal of Biomathematics*, **2008**, 01, 75-93	1.8	1
23	The effect of initial density and parasitoid intergenerational survival rate on classical biological control. *Chaos, Solitons and Fractals*, **2008**, 37, 1048-1058	9.3	6
22	One-compartment model with Michaelis-Menten elimination kinetics and therapeutic window: an analytical approach. *Journal of Pharmacokinetics and Pharmacodynamics*, **2007**, 34, 807-27	2.7	34
21	Optimal impulsive harvesting on non-autonomous Beverton–Holt difference equations. *Nonlinear Analysis: Theory, Methods & Applications*, **2006**, 65, 2311-2341	1.3	26

20	New modelling approach concerning integrated disease control and cost-effectivity. *Nonlinear Analysis: Theory, Methods & Applications*, **2005**, 63, 439-471	1.3	38
19	Integrated pest management models and their dynamical behaviour. *Bulletin of Mathematical Biology*, **2005**, 67, 115-35	2.1	172
18	State-dependent impulsive models of integrated pest management (IPM) strategies and their dynamic consequences. *Journal of Mathematical Biology*, **2005**, 50, 257-92	2	156
17	The effect of seasonal harvesting on stage-structured population models. *Journal of Mathematical Biology*, **2004**, 48, 357-74	2	59
16	Global attractivity in a food-limited population model with impulsive effects. *Journal of Mathematical Analysis and Applications*, **2004**, 292, 211-221	1.1	47
15	Modelling and analysis of integrated pest management strategy. *Discrete and Continuous Dynamical Systems - Series B*, **2004**, 4, 759-768	1.3	68
14	QUASIPERIODIC SOLUTIONS AND CHAOS IN A PERIODICALLY FORCED PREDATOR–PREY MODEL WITH AGE STRUCTURE FOR PREDATOR. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2003**, 13, 973-980	2	27
13	Hybrid matrix models and their population dynamic consequences. *ESAIM: Mathematical Modelling and Numerical Analysis*, **2003**, 37, 433-450	1.8	
12	Multiple attractors in stage-structured population models with birth pulses. *Bulletin of Mathematical Biology*, **2003**, 65, 479-95	2.1	62
11	Density-dependent birth rate, birth pulses and their population dynamic consequences. *Journal of Mathematical Biology*, **2002**, 44, 185-99	2	237
10	Chaos in functional response host–parasitoid ecosystem models. *Chaos, Solitons and Fractals*, **2002**, 13, 875-884	9.3	57
9	Dynamic complexities in predator–prey ecosystem models with age-structure for predator. *Chaos, Solitons and Fractals*, **2002**, 14, 1403-1411	9.3	30
8	THE PERIODIC PREDATOR-PREY LOTKA–VOLTERRA MODEL WITH IMPULSIVE EFFECT. *Journal of Mechanics in Medicine and Biology*, **2002**, 02, 267-296	0.7	30
7	Linearized oscillations in nonlinear delay difference equations. *Acta Mathematica Sinica, English Series*, **1999**, 15, 569-574	0.6	1
6	Lessons drawn from China and South Korea for managing COVID-19 epidemic: insights from a comparative modeling study		14
5	Stochastic discrete epidemic modeling of COVID-19 transmission in the Province of Shaanxi incorporating public health intervention and case importation		10
4	Lessons drawn from China and South Korea for managing COVID-19 epidemic: insights from a comparative modeling study		10
3	The challenges of the coming mass vaccination and exit strategy in prevention and control of COVID-19, a modelling study		3

List of Publications

2	Controlling multiple COVID-19 epidemic waves: an insight from a multi-scale model linking the behavior change dynamics to the disease transmission dynamics	2
1	Assessing Age-Specific Vaccination Strategies and Post-Vaccination Reopening Policies for COVID-19 Control Using SEIR Modeling Approach	3