

# Xueibing Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,100  
citations

361413

20  
h-index

434195

31  
g-index

60  
all docs

60  
docs citations

60  
times ranked

677  
citing authors

#	ARTICLE	IF	CITATIONS
1	New conditions for global exponential stability of cellular neural networks with delays. <i>Neural Networks</i> , 2005, 18, 1332-1340.	5.9	72
2	Exponential stability and periodic oscillatory of bi-directional associative memory neural network involving delays. <i>Neurocomputing</i> , 2006, 69, 424-448.	5.9	57
3	Global impulsive exponential anti-synchronization of delayed chaotic neural networks. <i>Neurocomputing</i> , 2011, 74, 563-567.	5.9	45
4	Bifurcation and optimal harvesting of a diffusive predator-prey system with delays and interval biological parameters. <i>Journal of Theoretical Biology</i> , 2014, 363, 390-403.	1.7	45
5	Partial differential equation modeling of rumor propagation in complex networks with higher order of organization. <i>Chaos</i> , 2019, 29, 053106.	2.5	45
6	Existence of periodic oscillatory solution of reaction-diffusion neural networks with delays. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 343, 372-383.	2.1	44
7	Dynamical analysis and optimal control for a malware propagation model in an information network. <i>Neurocomputing</i> , 2015, 149, 1370-1386.	5.9	44
8	Turing instability and pattern formation of neural networks with reaction-diffusion terms. <i>Nonlinear Dynamics</i> , 2014, 76, 115-124.	5.2	41
9	Bifurcation analysis of a delay reaction-diffusion malware propagation model with feedback control. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 22, 747-768.	3.3	39
10	Dynamical behaviours and control measures of rumour-spreading model with consideration of network topology. <i>International Journal of Systems Science</i> , 2017, 48, 2064-2078.	5.5	39
11	Hopf bifurcation and stability analysis on discrete-time Hopfield neural network with delay. <i>Nonlinear Analysis: Real World Applications</i> , 2008, 9, 103-113.	1.7	36
12	Dynamic Analysis of a Reaction-Diffusion Rumor Propagation Model. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650101.	1.7	34
13	Bifurcations and Pattern Formation in a Predator-Prey Model. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018, 28, 1850140.	1.7	33
14	Hopf bifurcation and harvesting control of a bioeconomic plankton model with delay and diffusion terms. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 421, 300-315.	2.6	32
15	Modeling the transmission and control of Zika in Brazil. <i>Scientific Reports</i> , 2017, 7, 7721.	3.3	32
16	Dynamic analysis of a fractional order delayed predator-prey system with harvesting. <i>Theory in Biosciences</i> , 2016, 135, 59-72.	1.4	31
17	Stability and bifurcation analysis in a delayed reaction-diffusion malware propagation model. <i>Computers and Mathematics With Applications</i> , 2015, 69, 852-875.	2.7	27
18	Modeling and Dynamics Analysis of Zika Transmission with Limited Medical Resources. <i>Bulletin of Mathematical Biology</i> , 2020, 82, 99.	1.9	23

#	ARTICLE	IF	CITATIONS
19	Delay-independent exponential stability of recurrent neural networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 333, 399-407.	2.1	22
20	Hopf bifurcation for a small-world network model with parameters delay feedback control. Nonlinear Dynamics, 2011, 63, 345-357.	5.2	22
21	New LMI conditions for global exponential stability of cellular neural networks with delays. Nonlinear Analysis: Real World Applications, 2009, 10, 287-297.	1.7	21
22	Spatiotemporal dynamics of a delayed diffusive ratio-dependent predator-prey model with fear effect. Nonlinear Dynamics, 2021, 105, 3775-3790.	5.2	19
23	Dynamics analysis of a delayed reaction-diffusion predator-prey system with non-continuous threshold harvesting. Mathematical Biosciences, 2017, 289, 130-141.	1.9	18
24	Synchronized bifurcation and stability in a ring of diffusively coupled neurons with time delay. Neural Networks, 2016, 75, 32-46.	5.9	17
25	Synchronized stability in a reaction-diffusion neural network model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 3586-3599.	2.1	16
26	Dynamics and pattern formation of a diffusive predator-prey model in the presence of toxicity. Nonlinear Dynamics, 2019, 95, 2163-2179.	5.2	16
27	Spatiotemporal Dynamics of a Diffusive Predator-Prey System with Allee Effect and Threshold Hunting. Journal of Nonlinear Science, 2020, 30, 1015-1054.	2.1	15
28	Finite Time Synchronization of Delayed Quaternion Valued Neural Networks with Fractional Order. Neural Processing Letters, 2021, 53, 3607-3618.	3.2	15
29	Traveling wave of a reaction-diffusion vector-borne disease model with nonlocal effects and distributed delay. Journal of Dynamics and Differential Equations, 2023, 35, 3149-3185.	1.9	15
30	Global qualitative analysis of a discrete host-parasitoid model with refuge and strong Allee effects. Mathematical Methods in the Applied Sciences, 2018, 41, 2039-2062.	2.3	14
31	Traveling waves for a diffusive mosquito-borne epidemic model with general incidence. Zeitschrift Fur Angewandte Mathematik Und Physik, 2022, 73, .	1.4	14
32	Analysis of a two-strain malaria transmission model with spatial heterogeneity and vector-bias. Journal of Mathematical Biology, 2021, 82, 24.	1.9	13
33	Dynamics and pattern formation in homogeneous diffusive predator-prey systems with predator interference or foraging facilitation. Nonlinear Analysis: Real World Applications, 2019, 48, 267-287.	1.7	12
34	Hopf Bifurcation and Chaos of a Delayed Finance System. Complexity, 2019, 2019, 1-18.	1.6	11
35	Modeling and dynamics analysis of Zika transmission with contaminated aquatic environments. Nonlinear Dynamics, 2021, 104, 845-862.	5.2	11
36	Analysis and adaptive synchronization for a new chaotic system. Journal of Dynamical and Control Systems, 2012, 18, 467-477.	0.8	10

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37	Stability and bifurcation of a reaction-diffusion predator-prey model with non-local delay and Michaelis-Menten-type prey-harvesting. <i>International Journal of Computer Mathematics</i> , 2016, 93, 1447-1469.	1.8	10
38	Complex dynamics of a discrete predator-prey model with the prey subject to the Allee effect. <i>Journal of Difference Equations and Applications</i> , 2017, 23, 1765-1806.	1.1	10
39	Stability and Hopf bifurcation of a delayed reaction-diffusion predator-prey model with anti-predator behaviour. <i>Nonlinear Analysis: Modelling and Control</i> , 2019, 24, 387-406.	1.6	9
40	Stability and Hopf bifurcation in a reaction-diffusion predator-prey system with interval biological parameters and stage structure. <i>Nonlinear Dynamics</i> , 2015, 79, 1797-1816.	5.2	8
41	Dynamical stability in a delayed neural network with reaction-diffusion and coupling. <i>Nonlinear Dynamics</i> , 2018, 92, 1197-1215.	5.2	8
42	Analysis and Synchronization of a New Hyperchaotic System with Exponential Term. <i>Mathematics</i> , 2021, 9, 3281.	2.2	7
43	Dynamics and Patterns of a Diffusive Prey-Predator System with a Group Defense for Prey. <i>Discrete Dynamics in Nature and Society</i> , 2018, 2018, 1-9.	0.9	6
44	A Projection Neural Network with Time Delays for Solving Linear Variational Inequality Problems and Its Applications. <i>Circuits, Systems, and Signal Processing</i> , 2016, 35, 2789-2809.	2.0	5
45	Existence and exponential stability of almost periodic solutions for a neutral multi-species Logarithmic population model. <i>Applied Mathematics and Computation</i> , 2012, 218, 5346-5356.	2.2	4
46	Mathematical analysis of multi-target cells and multi-strain age-structured model with two HIV infection routes. <i>International Journal of Biomathematics</i> , 0, , .	2.9	4
47	Dynamics of a dengue fever model with vertical transmission and time periodic in spatially heterogeneous environments. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 11350-11375.	2.3	4
48	Bifurcation Analysis of a Reaction-Diffusion Rumor Spreading Model with Nonsmooth Control. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2022, 32, .	1.7	4
49	Synthesization of Multi-valued Associative High-Capacity Memory Based on Continuous Networks with a Class of Non-smooth Linear Nondecreasing Activation Functions. <i>Neural Processing Letters</i> , 2019, 50, 911-932.	3.2	3
50	Modeling Periodic HFMD with the Effect of Vaccination in Mainland China. <i>Complexity</i> , 2020, 2020, 1-18.	1.6	3
51	Effect of toxicant on the dynamics of a delayed diffusive predator-prey model. <i>Journal of Applied Mathematics and Computing</i> , 2023, 69, 355-379.	2.5	3
52	Geometric singular perturbation of a nonlocal partially degenerate model for <i>Aedes aegypti</i> . <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2023, 28, 1279.	0.9	3
53	Hopf bifurcation of a delayed diffusive predator-prey model with strong Allee effect. <i>Advances in Difference Equations</i> , 2017, 2017, .	3.5	2
54	Spatio-temporal complexity of a delayed diffusive model for plant invasion. <i>Computers and Mathematics With Applications</i> , 2018, 76, 2575-2612.	2.7	2

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55	Dynamics of a reaction-diffusion dengue fever model with incubation periods and vertical transmission in heterogeneous environments. <i>Journal of Applied Mathematics and Computing</i> , 2022, 68, 3673-3703.	2.5	2
56	A comment on "Globally exponential stability of neural networks with variable delays". <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2006, 53, 77-78.	2.2	1
57	Bifurcation and control of a delayed reaction-diffusion rumor spreading model with medium mechanism. , 2016, , .		1
58	Optimal control of a diffusive eco-epidemiological predator-prey model. <i>International Journal of Biomathematics</i> , 2020, 13, 2050065.	2.9	1
59	Bifurcation and luring instability of a class of reaction-diffusion neural networks. , 2012, , .		0
60	The spatial dynamics of a zebrafish model with cross-diffusions. <i>Mathematical Biosciences and Engineering</i> , 2017, 14, 1035-1054.	1.9	0