

Yongli Song

List of Publications by Year in descending order

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87
papers

2,861
citations

172457

29
h-index

189892

50
g-index

90
all docs

90
docs citations

90
times ranked

886
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability and Hopf bifurcation analysis on a simplified BAM neural network with delays. <i>Physica D: Nonlinear Phenomena</i> , 2005, 200, 185-204.	2.8	217
2	Bifurcation analysis for Chen's system with delayed feedback and its application to control of chaos. <i>Chaos, Solitons and Fractals</i> , 2004, 22, 75-91.	5.1	174
3	Local Hopf bifurcation and global periodic solutions in a delayed predator-prey system. <i>Journal of Mathematical Analysis and Applications</i> , 2005, 301, 1-21.	1.0	170
4	Stability and Hopf bifurcations in a competitive Lotka-Volterra system with two delays. <i>Chaos, Solitons and Fractals</i> , 2004, 22, 1139-1148.	5.1	98
5	Turing-Hopf bifurcation in the reaction-diffusion equations and its applications. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 33, 229-258.	3.3	95
6	Spatiotemporal Dynamics of the Diffusive Mussel-Algae Model Near Turing-Hopf Bifurcation. <i>SIAM Journal on Applied Dynamical Systems</i> , 2017, 16, 2030-2062.	1.6	91
7	Stability, Steady-State Bifurcations, and Turing Patterns in a Predator-Prey Model with Herd Behavior and Prey-taxis. <i>Studies in Applied Mathematics</i> , 2017, 139, 371-404.	2.4	90
8	Bifurcation analysis in a predator-prey system with time delay. <i>Nonlinear Analysis: Real World Applications</i> , 2006, 7, 265-284.	1.7	89
9	Spatiotemporal dynamics in the single population model with memory-based diffusion and nonlocal effect. <i>Journal of Differential Equations</i> , 2019, 267, 6316-6351.	2.2	77
10	Cross-diffusion induced spatiotemporal patterns in a predator-prey model with herd behavior. <i>Nonlinear Analysis: Real World Applications</i> , 2015, 24, 36-49.	1.7	70
11	Turing-Hopf bifurcation analysis of a predator-prey model with herd behavior and cross-diffusion. <i>Nonlinear Dynamics</i> , 2016, 86, 73-89.	5.2	70
12	Stability, Hopf bifurcations and spatial patterns in a delayed diffusive predator-prey model with herd behavior. <i>Applied Mathematics and Computation</i> , 2015, 254, 375-391.	2.2	69
13	Bifurcations for a predator-prey system with two delays. <i>Journal of Mathematical Analysis and Applications</i> , 2008, 337, 466-479.	1.0	67
14	Spatiotemporal dynamics in a diffusive ratio-dependent predator-prey model near a Hopf-Turing bifurcation point. <i>Computers and Mathematics With Applications</i> , 2014, 67, 1978-1997.	2.7	64
15	The spatially inhomogeneous Hopf bifurcation induced by memory delay in a memory-based diffusion system. <i>Journal of Differential Equations</i> , 2021, 300, 597-624.	2.2	56
16	Bifurcation analysis and Turing instability in a diffusive predator-prey model with herd behavior and hyperbolic mortality. <i>Chaos, Solitons and Fractals</i> , 2015, 81, 303-314.	5.1	53
17	Bifurcation analysis of a diffusive ratio-dependent predator-prey model. <i>Nonlinear Dynamics</i> , 2014, 78, 49-70.	5.2	50
18	LOCAL AND GLOBAL HOPF BIFURCATION IN A DELAYED HEMATOPOIESIS MODEL. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004, 14, 3909-3919.	1.7	42

#	ARTICLE	IF	CITATIONS
19	Stability and spatiotemporal dynamics in a diffusive predator–prey model with nonlocal prey competition. <i>Nonlinear Analysis: Real World Applications</i> , 2019, 48, 12-39.	1.7	41
20	Bifurcation analysis and spatio-temporal patterns of nonlinear oscillations in a delayed neural network with unidirectional coupling. <i>Nonlinearity</i> , 2009, 22, 975-1001.	1.4	39
21	Stability Switches and Hopf Bifurcations in a Pair of Delay-Coupled Oscillators. <i>Journal of Nonlinear Science</i> , 2007, 17, 145-166.	2.1	36
22	Inphase and Antiphase Synchronization in a Delay-Coupled System With Applications to a Delay-Coupled FitzHugh–Nagumo System. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012, 23, 1659-1670.	11.3	36
23	Spatial resonance and Turing–Hopf bifurcations in the Gierer–Meinhardt model. <i>Nonlinear Analysis: Real World Applications</i> , 2016, 31, 356-387.	1.7	35
24	Persistence, Stability and Hopf Bifurcation in a Diffusive Ratio-Dependent Predator–Prey Model with Delay. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014, 24, 1450093.	1.7	34
25	Hopf bifurcation in a reaction–diffusion equation with distributed delay and Dirichlet boundary condition. <i>Journal of Differential Equations</i> , 2017, 263, 6537-6575.	2.2	33
26	Pattern dynamics in a Gierer–Meinhardt model with a saturating term. <i>Applied Mathematical Modelling</i> , 2017, 46, 476-491.	4.2	31
27	Stability and cross-diffusion-driven instability in a diffusive predator–prey system with hunting cooperation functional response. <i>Nonlinear Analysis: Real World Applications</i> , 2020, 54, 103106.	1.7	31
28	Spatiotemporal dynamics of a diffusive consumer–resource model with explicit spatial memory. <i>Studies in Applied Mathematics</i> , 2022, 148, 373-395.	2.4	31
29	The stability and Hopf bifurcation analysis of a gene expression model. <i>Journal of Mathematical Analysis and Applications</i> , 2012, 395, 103-113.	1.0	29
30	Stability and bifurcation analysis on a Logistic model with discrete and distributed delays. <i>Applied Mathematics and Computation</i> , 2006, 181, 1745-1757.	2.2	28
31	Bifurcation, amplitude death and oscillation patterns in a system of three coupled van der Pol oscillators with diffusively delayed velocity coupling. <i>Chaos</i> , 2011, 21, 023111.	2.5	28
32	Elements for a general memory structure: properties of recurrent neural networks used to form situation models. <i>Biological Cybernetics</i> , 2008, 98, 371-395.	1.3	27
33	Delay-induced Bogdanov–Takens bifurcation in a Leslie–Gower predator–prey model with nonmonotonic functional response. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014, 19, 2454-2465.	3.3	27
34	Stability and Hopf bifurcation in an unidirectional ring of n neurons with distributed delays. <i>Neurocomputing</i> , 2013, 121, 442-452.	5.9	26
35	Stability and Double-Hopf Bifurcations of a Gause–Kolmogorov-Type Predator–Prey System with Indirect Prey-Taxis. <i>Journal of Dynamics and Differential Equations</i> , 2021, 33, 1917-1957.	1.9	26
36	Stability switches, oscillatory multistability, and spatio-temporal patterns of nonlinear oscillations in recurrently delay coupled neural networks. <i>Biological Cybernetics</i> , 2009, 101, 147-167.	1.3	25

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37	Stability and Hopf bifurcation in a model of gene expression with distributed time delays. Applied Mathematics and Computation, 2014, 243, 398-412.	2.2	24
38	Bifurcation analysis of a diffusive predator-prey system with a herd behavior and quadratic mortality. Mathematical Methods in the Applied Sciences, 2015, 38, 2994-3006.	2.3	24
39	Stability and Turing Patterns in a Predator-Prey Model with Hunting Cooperation and Allee Effect in Prey Population. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050137.	1.7	23
40	Spatiotemporal dynamics of a diffusive predator-prey model with nonlocal effect and delay. Communications in Nonlinear Science and Numerical Simulation, 2020, 89, 105310.	3.3	22
41	Travelling wavefronts in the diffusive single species model with Allee effect and distributed delay. Applied Mathematics and Computation, 2004, 152, 483-497.	2.2	21
42	Stability Switches, Hopf Bifurcations, and Spatio-temporal Patterns in a Delayed Neural Model with Bidirectional Coupling. Journal of Nonlinear Science, 2009, 19, 597-632.	2.1	21
43	Stability and bifurcation analysis of a reaction-diffusion equation with spatio-temporal delay. Journal of Mathematical Analysis and Applications, 2015, 430, 243-261.	1.0	21
44	Stability and bifurcation analysis of a reaction-diffusion equation with distributed delay. Nonlinear Dynamics, 2015, 79, 437-454.	5.2	21
45	Bifurcation analysis for a regulated logistic growth model. Applied Mathematical Modelling, 2007, 31, 1729-1738.	4.2	20
46	Hopf bifurcation and spatio-temporal patterns in delay-coupled van der Pol oscillators. Nonlinear Dynamics, 2011, 63, 223-237.	5.2	20
47	Bogdanov-Takens bifurcation in an oscillator with negative damping and delayed position feedback. Applied Mathematical Modelling, 2013, 37, 8091-8105.	4.2	20
48	Bifurcation analysis on a survival red blood cells model. Journal of Mathematical Analysis and Applications, 2006, 316, 459-471.	1.0	18
49	Stabilization and algorithm of integrator plus dead-time process using PID controller. Journal of Process Control, 2009, 19, 1529-1537.	3.3	18
50	Existence of entire large positive solutions of a semilinear elliptic system. Applied Mathematics and Computation, 2004, 155, 687-698.	2.2	17
51	Dynamics of a ratio-dependent stage-structured predator-prey model with delay. Mathematical Methods in the Applied Sciences, 2017, 40, 6451-6467.	2.3	17
52	Delay-Induced Double Hopf Bifurcations in a System of Two Delay-Coupled van der Pol-Duffing Oscillators. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550058.	1.7	16
53	Stability switches and Hopf bifurcations in a pair of identical tri-neuron network loops. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1744-1749.	2.1	14
54	TURING-HOPF BIFURCATION IN THE REACTION-DIFFUSION SYSTEM WITH DELAY AND APPLICATION TO A DIFFUSIVE PREDATOR-PREY MODEL. Journal of Applied Analysis and Computation, 2019, 9, 1132-1164.	0.5	14

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55	Effect of Spatial Average on the Spatiotemporal Pattern Formation of Reaction-Diffusion Systems. <i>Journal of Dynamics and Differential Equations</i> , 2022, 34, 2123-2156.	1.9	13
56	Direction and stability of bifurcating periodic solutions of a chemostat model with two distributed delays. <i>Chaos, Solitons and Fractals</i> , 2004, 21, 1109-1123.	5.1	12
57	STEADY-STATE, HOPF AND STEADY-STATE-HOPF BIFURCATIONS IN DELAY DIFFERENTIAL EQUATIONS WITH APPLICATIONS TO A DAMPED HARMONIC OSCILLATOR WITH DELAY FEEDBACK. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250286.	1.7	12
58	Hopf Bifurcation and Delay-Induced Turing Instability in a Diffusive <i>lac</i> Operon Model. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650167.	1.7	11
59	Memory-based movement with spatiotemporal distributed delays in diffusion and reaction. <i>Applied Mathematics and Computation</i> , 2021, 404, 126254.	2.2	11
60	Delay induced oscillations in a turbidostat with feedback control. <i>Journal of Mathematical Chemistry</i> , 2011, 49, 1646-1666.	1.5	10
61	Stability and Hopf bifurcation in a three-neuron unidirectional ring with distributed delays. <i>Nonlinear Dynamics</i> , 2012, 69, 357-370.	5.2	10
62	Delay-Induced Triple-Zero Bifurcation in a Delayed Leslie-Type Predator-Prey Model with Additive Allee Effect. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650117.	1.7	10
63	Bistability and delay-induced stability switches in a cancer network with the regulation of microRNA. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 54, 302-319.	3.3	10
64	Double Hopf Bifurcation Analysis in the Memory-based Diffusion System. <i>Journal of Dynamics and Differential Equations</i> , 0, , .	1.9	10
65	Stability and Bifurcation Analysis of a Delayed Leslie-Gower Predator-Prey System with Nonmonotonic Functional Response. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-19.	0.7	9
66	Normal forms of non-resonance and weak resonance double Hopf bifurcation in the retarded functional differential equations and applications. <i>Applied Mathematics and Computation</i> , 2015, 266, 1102-1126.	2.2	9
67	Stability and multiple bifurcations of a damped harmonic oscillator with delayed feedback near zero eigenvalue singularity. <i>Chaos</i> , 2008, 18, 043113.	2.5	8
68	Spatio-temporal patterns of Hopf bifurcating periodic oscillations in a pair of identical tri-neuron network loops. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 943-952.	3.3	8
69	Stability and Hopf bifurcation in an inverted pendulum with delayed feedback control. <i>Nonlinear Dynamics</i> , 2013, 73, 737-749.	5.2	8
70	Spatio-temporal dynamics of a reaction-diffusion equation with the nonlocal spatial average and delay. <i>Applied Mathematics Letters</i> , 2020, 107, 106388.	2.7	8
71	Spatially nonhomogeneous periodic patterns in a delayed predator-prey model with predator-taxis diffusion. <i>Applied Mathematics Letters</i> , 2022, 131, 108062.	2.7	7
72	Existence of traveling wave solutions for a reaction-diffusion equation with distributed delays. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2007, 67, 2415-2423.	1.1	6

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73	Hopf bifurcation and chaos in a delayed Nicholson's blowflies equation with nonlinear density-dependent mortality rate. <i>Nonlinear Dynamics</i> , 2016, 84, 1021-1032.	5.2	6
74	Stability and bifurcation in a non-kolmogorov type prey-predator system with time delay. <i>Mathematical and Computer Modelling</i> , 2005, 41, 1445-1455.	2.0	5
75	Periodic solutions of a nonautonomous periodic model of population with continuous and discrete time. <i>Journal of Computational and Applied Mathematics</i> , 2006, 188, 256-264.	2.0	5
76	Positive periodic solutions of a periodic survival red blood cell model. <i>Applicable Analysis</i> , 2005, 84, 1095-1101.	1.3	4
77	Bifurcation Analysis of a Diffusive Activator-Inhibitor Model in Vascular Mesenchymal Cells. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015, 25, 1530026.	1.7	4
78	Normal Form of Saddle-Node-Hopf Bifurcation in Retarded Functional Differential Equations and Applications. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650040.	1.7	4
79	Oscillations in a plasmid turbidostat model with delayed feedback control. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2011, 15, 893-914.	0.9	4
80	Existence of Travelling Wave Fronts for a Diffusive Vector Disease Model with Delay. <i>Journal of Dynamical and Control Systems</i> , 2006, 12, 97-107.	0.8	3
81	Dynamics and pattern formation in a reaction-diffusion-advection mussel-algae model. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2022, 73, 1.	1.4	3
82	Stability and spatiotemporal dynamics of a diffusive predator-prey system with generalist predator and nonlocal intraspecific competition. <i>Mathematics and Computers in Simulation</i> , 2022, 194, 159-168.	4.4	2
83	Normal forms of double Hopf bifurcation for a reaction-diffusion system with delay and nonlocal spatial average and applications. <i>Computers and Mathematics With Applications</i> , 2022, 119, 174-192.	2.7	2
84	Bifurcation Analysis and Spatiotemporal Patterns of Nonlinear Oscillations in a Ring Lattice of Identical Neurons with Delayed Coupling. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-18.	0.7	1
85	Periodic Solutions of a Discrete Time Predator-Prey System. <i>Acta Mathematicae Applicatae Sinica</i> , 2006, 22, 397-404.	0.7	0
86	Stability and Bifurcation Analysis of Differential Equations and Its Applications. <i>Abstract and Applied Analysis</i> , 2015, 2015, 1-1.	0.7	0
87	Dynamical Aspects of Initial/Boundary Value Problems for Ordinary Differential Equations 2014. <i>Abstract and Applied Analysis</i> , 2015, 2015, 1-1.	0.7	0