

Yongli Song

List of Publications by Year in descending order

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2,861
citations

172457

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all docs

90
docs citations

90
times ranked

886
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Memory-based movement with spatiotemporal distributed delays in diffusion and reaction. <i>Applied Mathematics and Computation</i> , 2021, 404, 126254.	2.2	11
9	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
10	Stability and Turing Patterns in a Predator-Prey Model with Hunting Cooperation and Allee Effect in Prey Population. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2050137.	1.7	23
11	Spatiotemporal dynamics of a diffusive predator-prey model with nonlocal effect and delay. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 89, 105310.	3.3	22
12	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
13	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
14	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
15	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
16	TURING-HOPF BIFURCATION IN THE REACTION-DIFFUSION SYSTEM WITH DELAY AND APPLICATION TO A DIFFUSIVE PREDATOR-PREY MODEL. <i>Journal of Applied Analysis and Computation</i> , 2019, 9, 1132-1164.	0.5	14
17	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
18	Pattern dynamics in a Gierer-Meinhardt model with a saturating term. <i>Applied Mathematical Modelling</i> , 2017, 46, 476-491.	4.2	31

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19	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
20	Dynamics of a ratio-dependent stage-structured predator-prey model with delay. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 6451-6467.	2.3	17
21	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
22	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
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	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
25	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
26	Hopf Bifurcation and Delay-Induced Turing Instability in a Diffusive Operon Model. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650167.	1.7	11
27	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
28	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
29	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
30	Stability and Bifurcation Analysis of Differential Equations and Its Applications. <i>Abstract and Applied Analysis</i> , 2015, 2015, 1-1.	0.7	0
31	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
32	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
33	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
34	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
35	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
36	Stability and bifurcation analysis of a reaction-diffusion equation with spatio-temporal delay. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 430, 243-261.	1.0	21

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37	Delay-Induced Double Hopf Bifurcations in a System of Two Delay-Coupled van der Polâ€“Duffing Oscillators. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550058.	1.7	16
38	Bifurcation Analysis of a Diffusive Activatorâ€“Inhibitor Model in Vascular Mesenchymal Cells. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1530026.	1.7	4
39	Bifurcation analysis of a diffusive predatorâ€“prey system with a herd behavior and quadratic mortality. Mathematical Methods in the Applied Sciences, 2015, 38, 2994-3006.	2.3	24
40	Stability and bifurcation analysis of a reactionâ€“diffusion equation with distributed delay. Nonlinear Dynamics, 2015, 79, 437-454.	5.2	21
41	Persistence, Stability and Hopf Bifurcation in a Diffusive Ratio-Dependent Predatorâ€“Prey Model with Delay. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450093.	1.7	34
42	Bifurcation Analysis and Spatiotemporal Patterns of Nonlinear Oscillations in a Ring Lattice of Identical Neurons with Delayed Coupling. Abstract and Applied Analysis, 2014, 2014, 1-18.	0.7	1
43	Spatiotemporal dynamics in a diffusive ratio-dependent predatorâ€“prey model near a Hopfâ€“Turing bifurcation point. Computers and Mathematics With Applications, 2014, 67, 1978-1997.	2.7	64
44	Bifurcation analysis of a diffusive ratio-dependent predatorâ€“prey model. Nonlinear Dynamics, 2014, 78, 49-70.	5.2	50
45	Delay-induced Bogdanovâ€“Takens bifurcation in a Leslieâ€“Gower predatorâ€“prey model with nonmonotonic functional response. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 2454-2465.	3.3	27
46	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
47	Stability and Hopf bifurcation in an unidirectional ring of n neurons with distributed delays. Neurocomputing, 2013, 121, 442-452.	5.9	26
48	Stability and Hopf bifurcation in an inverted pendulum with delayed feedback control. Nonlinear Dynamics, 2013, 73, 737-749.	5.2	8
49	Bogdanovâ€“Takens bifurcation in an oscillator with negative damping and delayed position feedback. Applied Mathematical Modelling, 2013, 37, 8091-8105.	4.2	20
50	Stability and Bifurcation Analysis of a Delayed Leslie-Gower Predator-Prey System with Nonmonotonic Functional Response. Abstract and Applied Analysis, 2013, 2013, 1-19.	0.7	9
51	Inphase and Antiphase Synchronization in a Delay-Coupled System With Applications to a Delay-Coupled FitzHughâ€“Nagumo System. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1659-1670.	11.3	36
52	STEADY-STATE, HOPF AND STEADY-STATE-HOPF BIFURCATIONS IN DELAY DIFFERENTIAL EQUATIONS WITH APPLICATIONS TO A DAMPED HARMONIC OSCILLATOR WITH DELAY FEEDBACK. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250286.	1.7	12
53	Stability and Hopf bifurcation in a three-neuron unidirectional ring with distributed delays. Nonlinear Dynamics, 2012, 69, 357-370.	5.2	10
54	Spatio-temporal patterns of Hopf bifurcating periodic oscillations in a pair of identical tri-neuron network loops. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 943-952.	3.3	8

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55	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
56	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
57	Delay induced oscillations in a turbidostat with feedback control. <i>Journal of Mathematical Chemistry</i> , 2011, 49, 1646-1666.	1.5	10
58	Hopf bifurcation and spatio-temporal patterns in delay-coupled van der Pol oscillators. <i>Nonlinear Dynamics</i> , 2011, 63, 223-237.	5.2	20
59	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
60	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
61	Stability Switches, Hopf Bifurcations, and Spatio-temporal Patterns in a Delayed Neural Model with Bidirectional Coupling. <i>Journal of Nonlinear Science</i> , 2009, 19, 597-632.	2.1	21
62	Stability switches and Hopf bifurcations in a pair of identical tri-neuron network loops. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 1744-1749.	2.1	14
63	Stabilization and algorithm of integrator plus dead-time process using PID controller. <i>Journal of Process Control</i> , 2009, 19, 1529-1537.	3.3	18
64	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
65	Bifurcations for a predator-prey system with two delays. <i>Journal of Mathematical Analysis and Applications</i> , 2008, 337, 466-479.	1.0	67
66	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
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	Bifurcation analysis for a regulated logistic growth model. <i>Applied Mathematical Modelling</i> , 2007, 31, 1729-1738.	4.2	20
69	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
70	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
71	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
72	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

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73	Bifurcation analysis on a survival red blood cells model. <i>Journal of Mathematical Analysis and Applications</i> , 2006, 316, 459-471.	1.0	18
74	Bifurcation analysis in a predator-prey system with time delay. <i>Nonlinear Analysis: Real World Applications</i> , 2006, 7, 265-284.	1.7	89
75	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
76	Periodic Solutions of a Discrete Time Predator-Prey System. <i>Acta Mathematicae Applicatae Sinica</i> , 2006, 22, 397-404.	0.7	0
77	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
78	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
79	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
80	Positive periodic solutions of a periodic survival red blood cell model. <i>Applicable Analysis</i> , 2005, 84, 1095-1101.	1.3	4
81	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
82	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
83	Travelling wavefronts in the diffusive single species model with Allee effect and distributed delay. <i>Applied Mathematics and Computation</i> , 2004, 152, 483-497.	2.2	21
84	Existence of entire large positive solutions of a semilinear elliptic system. <i>Applied Mathematics and Computation</i> , 2004, 155, 687-698.	2.2	17
85	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
86	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
87	Double Hopf Bifurcation Analysis in the Memory-based Diffusion System. <i>Journal of Dynamics and Differential Equations</i> , 0, , .	1.9	10