Min Xiao

List of Publications by Year
in descending order

112 papers	2,337 citations	201385 27 h-index	223531 46 g-index
112 all docs	112 docs citations	112 times ranked	1040 citing authors

#	Article	IF	Citations
1	A sliding mode control algorithm based on improved super-twisting and its application to quadrotors. Journal of Control and Decision, 2023, 10, 433-442.	0.7	1
2	Dynamical Bifurcation of Large-Scale-Delayed Fractional-Order Neural Networks With Hub Structure and Multiple Rings. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1731-1743.	5.9	16
3	Stability and Hopf Bifurcation Analysis of an (n + m)-Neuron Double-Ring Neural Network Model with Multiple Time Delays. Journal of Systems Science and Complexity, 2022, 35, 159-178.	1.6	13
4	Quasi-synchronization of heterogeneous Lurâ€™e networks with uncertain parameters and impulsive effect. Neurocomputing, 2022, 482, 252-263.	3.5	7
5	Dynamics Analysis and Design for a Bidirectional Super-Ring-Shaped Neural Network With n Neurons and Multiple Delays. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2978-2992.	7.2	14
6	Qualitative Analysis and Bifurcation in a Neuron System With Memristor Characteristics and Time Delay. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1974-1988.	7.2	13
7	Stability and bifurcation analysis of a fractional predatorâ€“prey model involving two nonidentical delays. Mathematics and Computers in Simulation, 2021, 181, 562-580.	2.4	21
8	Fractional-Order PID Controller Synthesis for Bifurcation of Fractional-Order Small-World Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4334-4346.	5.9	20
9	Fractional Dynamics Based-Enhancing Control Scheme of a Delayed Predator-Prey Model. IEEE Access, 2021, 9, 59715-59724.	2.6	2
10	Bifurcation and Oscillations of a Multi-ring Coupling Neural Network with Discrete Delays. Cognitive Computation, 2021, 13, 1233-1245.	3.6	6
11	DYNAMICAL ANALYSIS OF A SELF-CONNECTION FRACTIONAL-ORDER NEURAL NETWORK. Fractals, 2021, 29, 2150138.	1.8	1
12	Hybrid Control Synthesis for Turing Instability and Hopf Bifurcation of Marine Planktonic Ecosystems With Diffusion. IEEE Access, 2021, 9, 111326-111335.	2.6	2
13	Stability Analysis and Turing Instability of A SIR Model with Reaction - Diffusion. , 2021, , .		0
14	Turing Instability of Malware Spreading Model with Reaction-diffusion in Cyber-physical System. , 2021, , .		0
15	Turing Instability Analysis of Marine Planktonic Ecosystem Under the Influence of Spatial Heterogeneity. , 2021, , .		0
16	Turing Instability of A Reaction-Diffusion Predator-Prey Model with Holling Type-II Function. , 2021, , .		0
17	Turing Stability Analysis in a Reaction-Diffusion Predator-Prey System with Fear Effect. , 2021, , .		0
18	Bifurcation Analysis of a Ring-Hub-Shaped Neural Network With (n + 1) Neurons and Multiple Delays. , 2021, , .		1

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19	Stability and Hopf Bifurcation of a Fractional Economic Model with Time Delay. , 2021, , .		0
20	Hopf Bifurcation of A Kaldor-Kalecki Business Cycle Model with Variable Depreciation Rate and Diffusion Effect. , 2021, , .		0
21	Stability and Hopf Bifurcation of the Fractional Kaldorian Business Cycle Model with Time Delay. , 2021, , .		0
22	Hopf Bifurcation Analysis of A Economic System with Two Time Delays and Diffusion Based on Macroâˆ'Control. , 2021, , .		0
23	Bifurcations control of IS-LM macroeconomic system via PD controller. , 2021, , .		0
24	Bifurcation control of smallâ€world networks with delays VIA PID controller. Asian Journal of Control, 2020, 22, 818-830.	1.9	9
25	Improving dynamics of integer-order small-world network models under fractional-order PD control. Science China Information Sciences, 2020, 63, 1.	2.7	5
26	Dynamics of Fractional-Order Neural Networks With Discrete and Distributed Delays. IEEE Access, 2020, 8, 46071-46080.	2.6	12
27	Stability, bifurcation prediction and optimal control of a delayed integer-order small-world network based on the fractional-order PD control policy of variable order. Journal of the Franklin Institute, 2020, 357, 10288-10311.	1.9	10
28	Bifurcations in a fractional-order neural network with multiple leakage delays. Neural Networks, 2020, 131, 115-126.	3.3	64
29	Stability and bifurcation analysis of a fractional-order single-gene regulatory model with delays under a novel PDÎ± control law. International Journal of Biomathematics, 2020, 13, 2050016.	1.5	11
30	Quasiâ€synchronization of multilayer heterogeneous networks with a dynamic leader. International Journal of Robust and Nonlinear Control, 2020, 30, 2736-2751.	2.1	7
31	UAVsâ€™ Formation Keeping Control Based on Multiâ€"Agent System Consensus. IEEE Access, 2020, 8, 49000-49012.	2.6	37
32	A novel hybrid control technique for bifurcation in an exponential RED algorithm. International Journal of Circuit Theory and Applications, 2020, 48, 1476-1492.	1.3	7
33	Stability and Hopf Bifurcation of Nearest-Neighbor Coupled Neural Networks With Delays. Journal of Computational and Nonlinear Dynamics, 2020, 15, .	0.7	2
34	Delay-Induced Bifurcation in High-Order Fractional Goodwin Models with Disparate Orders. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950090.	0.7	1
35	Complex dynamic behaviors of a congestion control system under a novel <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si35.svg"><mml:mrow><mml:mi>P</mml:mi><mml:msup><mml:mi>D</mml:mi><mml:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml:msup></mml:mrow></mml:math> control law: Stability, bifurcation and periodic oscillations. Chaos, Solitons and Fractals, 2019, 126, 242-252.	1.3	6
36	Stability and bifurcation control of a neuron system under a novel fractional-order PD controller. Science China Technological Sciences, 2019, 62, 2120-2129.	2.0	16

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37	PD Control at the Hopf Bifurcation Point of a Neuron System with Inertia and Delay. Journal of Physics: Conference Series, 2019, 1267, 012077.	0.3	1
38	Complex Dynamic Behaviors of A Congestion Control System under A Fractional-order PD Control. Journal of Physics: Conference Series, 2019, 1267, 012091.	0.3	0
39	Stability and bifurcation analysis of a gene expression model with small RNAs and mixed delays. Advances in Difference Equations, 2019, 2019, .	3.5	2
40	Hope Bifurcation of a Fractional-order Neural Network with Mixed Delays. , 2019, , .		0
41	Disparate delays-induced bifurcations in a fractional-order neural network. Journal of the Franklin Institute, 2019, 356, 2825-2846.	1.9	45
42	Dynamic optimal control at Hopf bifurcation of a Newmanâ€“Watts model of small-world networks via a new <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1497" altimg="si1.svg"><mml:mi>P</mml:mi><mml:msup><mml:mrow><mml:mi>D</mml:mi></mml:mrow><mml:mrow><mml:mfrac><mml:mi> scheme. Physica A: Statistical Mechanics and Its Applications, 2019, 532, 121769.	1.2	6
43	Synchronization in Heterogeneous Networks Coupled of LC Oscillators Via Sampled-Data Control. , 2019, , .		0
44	Novel bifurcation results for a delayed fractional-order quaternion-valued neural network. Neural Networks, 2019, 117, 67-93.	3.3	82
45	Dynamic Optimization of Neuron Systems with Leakage Delay and Distributed Delay via Hybrid Control. Neural Processing Letters, 2019, 50, 2493-2514.	2.0	6
46	Stability and Hopf Bifurcation of Multi-ring Coupling Neural Network with Delays. , 2019, , .		0
47	PD Control at Hopf Bifurcations in a Neuron System with both Leakage and Distributed Delays. , 2019, , .		0
48	Improving Dynamics of the Single-Genetic Regulatory Networks with Delays via PD Controller. , 2019, , .		1
49	Fractional-order PD Control at Hopf Bifurcations In a Neuron System. , 2019, , .		0
50	Hybrid control on stability and bifurcation for a single neuron network affected by distributed and leakage delay. , 2019, , .		0
51	Stability and Bifurcation Analysis in A Single-Gene Regulatory Model with Delays via Dual State Feedback control. , 2019, , .		1
52	PID Control of Hopf Bifurcation of Delayed Small-World Networks with Fractional-Order Dynamics. , 2019, , .		1
53	Stability Switches and Hopf Bifurcation of a Neuron System with both Leakage and Distributed Delays. Neural Processing Letters, 2019, 50, 341-355.	2.0	8
54	Hybrid tactics for bifurcation control in a fractional-order delayed predatorâ€“prey model. Physica A: Statistical Mechanics and Its Applications, 2019, 515, 183-191.	1.2	28

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55	Novel results on bifurcation for a fractional-order complex-valued neural network with leakage delay. Physica A: Statistical Mechanics and Its Applications, 2019, 514, 868-883.	1.2	26
56	Bifurcation control in the delayed fractional competitive web-site model with incommensurate-order. International Journal of Machine Learning and Cybernetics, 2019, 10, 173-186.	2.3	7
57	Bifurcation and Oscillatory Dynamics of Delayed Cyclic Gene Networks Including Small RNAs. IEEE Transactions on Cybernetics, 2019, 49, 883-896.	6.2	38
58	PID Controller Design Based on the Stabilization and Bifurcation of a Desired Equilibrium for a Delayed Complex System with a Variable Parameter. , 2019, , .		0
59	Hopf bifurcation analysis of a delayed fractional-order genetic regulatory network model. Neurocomputing, 2018, 275, 677-686.	3.5	76
60	Local Bifurcation Analysis of a Fractional-Order Dynamic Model of Genetic Regulatory Networks with Delays. Neural Processing Letters, 2018, 47, 1285-1296.	2.0	35
61	Effects of time delays on stability and Hopf bifurcation in a fractional ring-structured network with arbitrary neurons. Communications in Nonlinear Science and Numerical Simulation, 2018, 57, 1-13.	1.7	71
62	Hopf Bifurcation in Small-World Network Model via Time-Delayed Feedback Control. , 2018, , .		0
63	Consensus in nonlinear multi-agent systems with nonidentical nodes and sampled-data control. Science China Information Sciences, 2018, 61, 1.	2.7	18
64	Modeling, Analysis and Bifurcation Control of a Delayed Fractional-Order Predatorâ€“Prey Model. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850117.	0.7	30
65	Hopf bifurcation in fractional red blood cells model via time-delayed feedback control. , 2018, , .		0
66	Hopf bifurcation of fractional-order small-world networks with time delay. , 2018, , .		0
67	Hopf bifurcation analysis in a fractional-order survival red blood cells model and PDÎ±$mathit{PD}^{alpha} $ control. Advances in Difference Equations, 2018, 2018, .	3.5	12
68	Local bifurcation analysis of a delayed fractional-order dynamic model of dual congestion control algorithms. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 361-369.	8.5	25
69	Dynamical Analysis of a Triâ€Neuron Fractional Network. Asian Journal of Control, 2017, 19, 2042-2050.	1.9	6
70	Stability and Bifurcation of Delayed Fractional-Order Dual Congestion Control Algorithms. IEEE Transactions on Automatic Control, 2017, 62, 4819-4826.	3.6	46
71	Synchronization of coupled heterogeneous complex networks. Journal of the Franklin Institute, 2017, 354, 4102-4125.	1.9	36
72	Fractional-order PD control at Hopf bifurcations in delayed fractional-order small-world networks. Journal of the Franklin Institute, 2017, 354, 7643-7667.	1.9	77

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73	Fractional-order PD control at Hopf bifurcations in a fractional-order congestion control system. Nonlinear Dynamics, 2017, 90, 2185-2198.	2.7	37
74	Local Bifurcation Analysis of a Fractional-Order Dynamic Model of Genetic Regulatory Networks with Delays. Communications in Computer and Information Science, 2017, , 507-514.	0.4	0
75	Hopf Bifurcation in a Delayed Two-Neuron Fractional Network with Incommensurate-Order. Communications in Computer and Information Science, 2017, , 477-487.	0.4	0
76	Bifurcations in a delayed fractional complex-valued neural network. Applied Mathematics and Computation, 2017, 292, 210-227.	1.4	117
77	Controlling bifurcation in a delayed fractional predatorâ€“prey system with incommensurate orders. Applied Mathematics and Computation, 2017, 293, 293-310.	1.4	110
78	PID control at bifurcation in a single-gene regulatory model with delays. , 2017, , .		5
79	Nonlinear dynamics in hub-structured genetic regulatory networks. , 2017, , .		2
80	Bifurcation control in a survival red blood cells model via PD controller. , 2017, , .		1
81	Hopf bifurcation control for a fluid flow model of internet congestion control systems via state feedback. IMA Journal of Mathematical Control and Information, 2016, 33, 69-93.	1.1	17
82	Stability and Bifurcation Analysis of Arbitrarily High-Dimensional Genetic Regulatory Networks With Hub Structure and Bidirectional Coupling. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 1243-1254.	3.5	31
83	Hybrid control of Hopf bifurcation in a congestion control system of dual algorithm. , 2016, , .		1
84	Hybrid control on bifurcation for a delayed fractional gene regulatory network. Chaos, Solitons and Fractals, 2016, 87, 19-29.	2.5	112
85	Asymptotic Solutions and Circuit Implementations of a Rayleigh Oscillator Including Cubic Fractional Damping Terms. Circuits, Systems, and Signal Processing, 2016, 35, 2041-2053.	1.2	4
86	Dynamical behaviors of the chaotic Brushless <scp>DC</scp> motors model. Complexity, 2016, 21, 79-85.	0.9	14
87	Undamped Oscillations Generated by Hopf Bifurcations in Fractional-Order Recurrent Neural Networks With Caputo Derivative. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 3201-3214.	7.2	114
88	Stability switches and Hopf bifurcations of an isolated population model with delay-dependent parameters. Applied Mathematics and Computation, 2015, 264, 99-115.	1.4	3
89	Bifurcation Analysis of a Class of (n + 1)-Dimension Internet Congestion Control Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550019.	0.7	12
90	A New Framework for Analysis on Stability and Bifurcation in a Class of Neural Networks With Discrete and Distributed Delays. IEEE Transactions on Cybernetics, 2015, 45, 2224-2236.	6.2	104

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91	Bifurcation Control Of A Fractionalâ€Order Van Der Pol Oscillator Based On The State Feedback. Asian Journal of Control, 2015, 17, 1756-1766.	1.9	25
92	State feedback control at Hopf bifurcation in an exponential RED algorithm model. Nonlinear Dynamics, 2014, 76, 1469-1484.	2.7	22
93	Bifurcation analysis and control in exponential RED algorithm. Neurocomputing, 2014, 129, 232-245.	3.5	23
94	Stability and bifurcation of genetic regulatory networks with small RNAs and multiple delays. International Journal of Computer Mathematics, 2014, 91, 907-927.	1.0	28
95	Bifurcation and control in a neural network with small and large delays. Neural Networks, 2013, 44, 132-142.	3.3	40
96	Hopf Bifurcation of an <formula formulatype="inline"><tex Notation="TeX">$(n+1)$</tex> </formula>-Neuron Bidirectional Associative Memory Neural Network Model With Delays. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 118-132.	7.2	88
97	BIFURCATION CONTROL OF A CONGESTION CONTROL MODEL VIA STATE FEEDBACK. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1330018.	0.7	27
98	Bifurcation Control of a Fractional Order Hindmarsh-Rose Neuronal Model. Lecture Notes in Computer Science, 2013, , 88-95.	1.0	2
99	Bifurcation analysis of delayed bidirectional associative memory neural networks. , 2013, , .		1
100	On oscillatory dynamics of small-RNAs-mediated two-gene regulatory networks. , 2013, , .		0
101	Frequency domain approach to computational analysis of bifurcation and periodic solution in a two-neuron network model with distributed delays and self-feedbacks. Neurocomputing, 2013, 99, 206-213.	3.5	15
102	Approximate expressions of a fractional order Van der Pol oscillator by the residue harmonic balance method. Mathematics and Computers in Simulation, 2013, 89, 1-12.	2.4	33
103	Nonlinear dynamics and limit cycle bifurcation of a fractional-order three-node recurrent neural network. , 2012, , .		4
104	Stability Analysis and Hopf-Type Bifurcation of a Fractional Order Hindmarsh-Rose Neuronal Model. Lecture Notes in Computer Science, 2012, , 217-224.	1.0	5
105	Hopf Bifurcation Control for a Single Neuron Model with Delay-Dependent Parameters via State Feedback. Lecture Notes in Computer Science, 2011, , 132-138.	1.0	0
106	Approximate expressions of the bifurcating periodic solutions in a neuron model with delay-dependent parameters by perturbation approach. Cognitive Neurodynamics, 2010, 4, 241-250.	2.3	4
107	Range Parameter Induced Bifurcation in a Single Neuron Model with Delay-Dependent Parameters. Lecture Notes in Computer Science, 2010, , 9-16.	1.0	1
108	Time-delayed feedback control of dynamical small-world networks at Hopf bifurcation. Nonlinear Dynamics, 2009, 58, 319-344.	2.7	39

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109	Genetic oscillation deduced from Hopf bifurcation in a genetic regulatory network with delays. Mathematical Biosciences, 2008, 215, 55-63.	0.9	77
110	Stability and Hopf Bifurcation in a Simplified BAM Neural Network With Two Time Delays. IEEE Transactions on Neural Networks, 2007, 18, 416-430.	4.8	170
111	Delayed feedback-based bifurcation control in an Internet congestion model. Journal of Mathematical Analysis and Applications, 2007, 332, 1010-1027.	0.5	40
112	Stability and Hopf bifurcation in a delayed competitive web sites model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 353, 138-150.	0.9	21