

# Chuangxia Huang

## List of Publications by Year in descending order

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114  
papers

3,694  
citations

109264

35  
h-index

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114  
docs citations

114  
times ranked

1322  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the basins of attraction for a class of delay differential equations with non-monotone bistable nonlinearities. <i>Journal of Differential Equations</i> , 2014, 256, 2101-2114.	1.1	196
2	Interaction between oil and US dollar exchange rate: nonlinear causality, time-varying influence and structural breaks in volatility. <i>Applied Economics</i> , 2018, 50, 319-334.	1.2	148
3	Almost periodicity analysis for a delayed Nicholson's blowflies model with nonlinear density-dependent mortality term. <i>Communications on Pure and Applied Analysis</i> , 2019, 18, 3337-3349.	0.4	135
4	Discontinuity-induced limit cycles in a general planar piecewise linear system of saddle-focus type. <i>Nonlinear Analysis: Hybrid Systems</i> , 2019, 33, 162-178.	2.1	121
5	New studies on dynamic analysis of inertial neural networks involving non-reduced order method. <i>Neurocomputing</i> , 2019, 325, 283-287.	3.5	116
6	Stability and Hopf Bifurcation of a Delayed Prey-Predator Model with Disease in the Predator. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1950091.	0.7	115
7	Hybrid Control Scheme for Projective Lag Synchronization of Riemann-Liouville Sense Fractional Order Memristive BAM Neural Networks with Mixed Delays. <i>Mathematics</i> , 2019, 7, 759.	1.1	114
8	Global exponential convergence in a delayed almost periodic Nicholson's blowflies model with discontinuous harvesting. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 1954-1965.	1.2	90
9	Dynamics of a class of delayed reaction-diffusion systems with Neumann boundary condition. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 458, 1115-1130.	0.5	86
10	Periodicity of non-autonomous inertial neural networks involving proportional delays and non-reduced order method. <i>International Journal of Biomathematics</i> , 2019, 12, 1950016.	1.5	85
11	Exponential stability for stochastic jumping BAM neural networks with time-varying and distributed delays. <i>Nonlinear Analysis: Hybrid Systems</i> , 2011, 5, 52-77.	2.1	84
12	Stability of antiperiodic recurrent neural networks with multiproportional delays. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 6093-6102.	1.2	77
13	Almost sure exponential stability of stochastic cellular neural networks with unbounded distributed delays. <i>Neurocomputing</i> , 2009, 72, 3352-3356.	3.5	75
14	Stability Analysis of SIR Model with Distributed Delay on Complex Networks. <i>PLoS ONE</i> , 2016, 11, e0158813.	1.1	74
15	Asymptotically stable high-order neutral cellular neural networks with proportional delays and $\Delta$ operators. <i>Mathematics and Computers in Simulation</i> , 2020, 171, 127-135.	2.4	71
16	Dynamical behaviors of a food-chain model with stage structure and time delays. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	70
17	Synchronization of switched neural networks with mixed delays via impulsive control. <i>Chaos, Solitons and Fractals</i> , 2011, 44, 817-826.	2.5	68
18	Mittag-Leffler stability and adaptive impulsive synchronization of fractional order neural networks in quaternion field. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 6223-6253.	1.2	68

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19	Global dynamics of an SIRS model with demographics and transfer from infectious to susceptible on heterogeneous networks. <i>Mathematical Biosciences and Engineering</i> , 2019, 16, 5729-5749.	1.0	65
20	Robust Synchronization of Fractional-Order Uncertain Chaotic Systems Based on Output Feedback Sliding Mode Control. <i>Mathematics</i> , 2019, 7, 599.	1.1	64
21	Stability of Almost Periodic Nicholson's Blowflies Model Involving Patch Structure and Mortality Terms. <i>Canadian Mathematical Bulletin</i> , 2020, 63, 405-422.	0.3	64
22	Stability analysis of switched cellular neural networks: A mode-dependent average dwell time approach. <i>Neural Networks</i> , 2016, 82, 84-99.	3.3	61
23	Finite-time stochastic synchronization of dynamic networks with nonlinear coupling strength via quantized intermittent control. <i>Applied Mathematics and Computation</i> , 2020, 376, 125157.	1.4	61
24	Existence and global attractivity of almost periodic solutions for a delayed differential neoclassical growth model. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 814-822.	1.2	60
25	Global Convergence on Asymptotically Almost Periodic SICNNs with Nonlinear Decay Functions. <i>Neural Processing Letters</i> , 2019, 49, 625-641.	2.0	57
26	Dynamic Properties of Foreign Exchange Complex Network. <i>Mathematics</i> , 2019, 7, 832.	1.1	55
27	Stability analysis of Nicholson's blowflies equation with two different delays. <i>Mathematics and Computers in Simulation</i> , 2020, 171, 201-206.	2.4	54
28	Dynamics of anti-periodic solutions on shunting inhibitory cellular neural networks with multi-proportional delays. <i>Neurocomputing</i> , 2019, 357, 47-52.	3.5	53
29	Generalized lag-synchronization of chaotic mix-delayed systems with uncertain parameters and unknown perturbations. <i>Nonlinear Analysis: Real World Applications</i> , 2011, 12, 93-105.	0.9	49
30	Dynamics of a class of Cohen-Grossberg neural networks with time-varying delays. <i>Nonlinear Analysis: Real World Applications</i> , 2007, 8, 40-52.	0.9	47
31	The Heterogeneous Effects of FDI and Foreign Trade on CO2 Emissions: Evidence from China. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-14.	0.6	41
32	Hopf bifurcation analysis for a two-neuron network with four delays†. <i>Chaos, Solitons and Fractals</i> , 2007, 34, 795-812.	2.5	40
33	Existence, Uniqueness and Exponential Stability of Periodic Solution for Discrete-Time Delayed BAM Neural Networks Based on Coincidence Degree Theory and Graph Theoretic Method. <i>Mathematics</i> , 2019, 7, 1055.	1.1	40
34	Convergence Dynamics of Stochastic Cohen-Grossberg Neural Networks With Unbounded Distributed Delays. <i>IEEE Transactions on Neural Networks</i> , 2011, 22, 561-572.	4.8	38
35	An LMI approach for exponential synchronization of switched stochastic competitive neural networks with mixed delays. <i>Neural Computing and Applications</i> , 2012, 21, 2033-2047.	3.2	38
36	New Results on Periodicity of Non-autonomous Inertial Neural Networks Involving Non-reduced Order Method. <i>Neural Processing Letters</i> , 2019, 50, 595-606.	2.0	36

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37	Global dynamics of neoclassical growth model with multiple pairs of variable delays. <i>Nonlinearity</i> , 2020, 33, 6819-6834.	0.6	36
38	Dynamics analysis on a class of delayed neural networks involving inertial terms. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	35
39	Global behavior of a reaction-diffusion model with time delay and Dirichlet condition. <i>Journal of Differential Equations</i> , 2021, 271, 186-215.	1.1	34
40	A network perspective of comovement and structural change: Evidence from the Chinese stock market. <i>International Review of Financial Analysis</i> , 2021, 76, 101782.	3.1	34
41	Lag stochastic synchronization of chaotic mixed time-delayed neural networks with uncertain parameters or perturbations. <i>Neurocomputing</i> , 2011, 74, 1617-1625.	3.5	33
42	Asymptotic behavior for a class of population dynamics. <i>AIMS Mathematics</i> , 2020, 5, 3378-3390.	0.7	33
43	Lagrange exponential stability of quaternion-valued memristive neural networks with time delays. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 7269-7291.	1.2	32
44	Stability of discrete-time fractional-order time-delayed neural networks in complex field. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 419-440.	1.2	32
45	Boundedness of multilinear singular integral operator with non-smooth kernels and mean oscillation. <i>Quaestiones Mathematicae</i> , 2017, 40, 295-312.	0.2	30
46	Zagreb Connection Indices of Molecular Graphs Based on Operations. <i>Complexity</i> , 2020, 2020, 1-15.	0.9	29
47	Synchronization in finite-/fixed-time of delayed diffusive complex-valued neural networks with discontinuous activations. <i>Chaos, Solitons and Fractals</i> , 2021, 142, 110386.	2.5	29
48	Exponential stability of inertial neural networks involving proportional delays and non-reduced order method. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2020, 32, 133-146.	1.8	28
49	Fixed time synchronization of delayed quaternion-valued memristor-based neural networks. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	28
50	Stability on positive pseudo almost periodic solutions of HPDCNNs incorporating $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e140" altimg="si3.svg"> \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ operator. <i>Mathematics and Computers in Simulation</i> , 2021, 190, 1150-1163.	2.4	28
51	Finite-time synchronization criterion of graph theory perspective fractional-order coupled discontinuous neural networks. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	27
52	Weighted pseudo almost periodicity of multi-proportional delayed shunting inhibitory cellular neural networks with D operator. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2021, 14, 1259-1272.	0.6	26
53	A perspective on graph theory-based stability analysis of impulsive stochastic recurrent neural networks with time-varying delays. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	26
54	Dynamic network topology and market performance: A case of the Chinese stock market. <i>International Journal of Finance and Economics</i> , 2022, 27, 1962-1978.	1.9	21

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55	Existence and global exponential stability of periodic solution of two-neuron networks with time-varying delays. <i>Applied Mathematics Letters</i> , 2006, 19, 126-134.	1.5	20
56	Sharp function inequalities and boundness for Toeplitz type operator related to general fractional singular integral operator. <i>Publications De L'Institut Mathematique</i> , 2012, 92, 165-176.	0.3	20
57	Almost Anti-periodic Solution of Inertial Neural Networks with Leakage and Time-Varying Delays on Timescales. <i>Circuits, Systems, and Signal Processing</i> , 2022, 41, 1940-1956.	1.2	20
58	Jump volatility spillover network based measurement of systemic importance of Chinese financial institutions. <i>International Journal of Finance and Economics</i> , 2023, 28, 1201-1213.	1.9	18
59	Effect of impulsive controls in a model system for age-structured population over a patchy environment. <i>Journal of Mathematical Biology</i> , 2018, 76, 1387-1419.	0.8	17
60	An LMI Approach for Dynamics of Switched Cellular Neural Networks with Mixed Delays. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-8.	0.3	16
61	Stochastic Synchronization of Reaction-Diffusion Neural Networks under General Impulsive Controller with Mixed Delays. <i>Abstract and Applied Analysis</i> , 2012, 2012, 1-25.	0.3	15
62	Global exponential stability of delayed inertial competitive neural networks. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	15
63	Fixed-time synchronization of quaternion-valued neural networks with time-varying delay. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, .	1.0	15
64	New results on dynamics of neutral type HCNNs with proportional delays. <i>Mathematics and Computers in Simulation</i> , 2021, 187, 51-59.	2.4	15
65	Stochastic Dynamics of Nonautonomous Cohen-Grossberg Neural Networks. <i>Abstract and Applied Analysis</i> , 2011, 2011, 1-17.	0.3	14
66	Systemic importance of financial institutions: A complex network perspective. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123448.	1.2	14
67	Multi Fractals of Generalized Multivalued Iterated Function Systems in b-Metric Spaces with Applications. <i>Mathematics</i> , 2019, 7, 967.	1.1	13
68	Global population dynamics of a single species structured with distinctive time-varying maturation and self-limitation delays. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2022, 27, 2427.	0.5	13
69	Finite-/fixed-time anti-synchronization of neural networks with leakage delays under discontinuous disturbances. <i>Chaos, Solitons and Fractals</i> , 2022, 155, 111639.	2.5	13
70	Attractor and Boundedness of Switched Stochastic Cohen-Grossberg Neural Networks. <i>Discrete Dynamics in Nature and Society</i> , 2016, 2016, 1-19.	0.5	11
71	Systemic Importance of China's Financial Institutions: A Jump Volatility Spillover Network Review. <i>Entropy</i> , 2020, 22, 588.	1.1	11
72	Measurement of Individual Investor Sentiment and Its Application: Evidence from Chinese Stock Message Board. <i>Emerging Markets Finance and Trade</i> , 2022, 58, 681-691.	1.7	10

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73	Dynamic Analysis of Stochastic Recurrent Neural Networks. <i>Neural Processing Letters</i> , 2008, 27, 267-276.	2.0	9
74	GLOBAL DYNAMICS OF A FILIPPOV PLANT DISEASE MODEL WITH AN ECONOMIC THRESHOLD OF INFECTED-SUSCEPTIBLE RATIO. <i>Journal of Applied Analysis and Computation</i> , 2020, 10, 2263-2277.	0.2	9
75	On the construction, properties and Hausdorff dimension of random Cantor one &lt;i>p</i>&lt;i>sup</i>&lt;i>th</i>&lt;/sup> set. <i>AIMS Mathematics</i> , 2020, 5, 3138-3155.	0.7	9
76	Evaluating influential nodes for the Chinese energy stocks based on jump volatility spillover network. <i>International Review of Economics and Finance</i> , 2022, 78, 81-94.	2.2	9
77	Analysis of Global Remittance Based on Complex Networks. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	8
78	Stability analysis of non-autonomous stochastic Cohenâ€“Grossberg neural networks. <i>Nonlinear Dynamics</i> , 2009, 57, 469-478.	2.7	7
79	Finite-time cluster synchronization of coupled dynamical systems with impulsive effects. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2021, 26, 3595.	0.5	7
80	Synchronizations of fuzzy cellular neural networks with proportional time-delay. <i>AIMS Mathematics</i> , 2021, 6, 10620-10641.	0.7	7
81	New Results on Finite-Time Synchronization of Delayed Fuzzy Neural Networks with Inertial Effects. <i>International Journal of Fuzzy Systems</i> , 2022, 24, 676-685.	2.3	7
82	Can financial crisis be detected? Laplacian energy measure. <i>European Journal of Finance</i> , 2023, 29, 949-976.	1.7	7
83	Global convergence dynamics of almost periodic delay Nicholson's blowflies systems. <i>Journal of Biological Dynamics</i> , 2020, 14, 633-655.	0.8	6
84	A trilinear estimate with application to the perturbed nonlinear SchrÃ¶dinger equations with the Kerr law nonlinearity. <i>Journal of Evolution Equations</i> , 2021, 21, 1477-1494.	0.6	6
85	Delay-coupled fractional order complex Cohen-Grossberg neural networks under parameter uncertainty: Synchronization stability criteria. <i>AIMS Mathematics</i> , 2021, 6, 2844-2873.	0.7	6
86	New results on network of neurons with delayed feedback: Periodical switching of excitation and inhibition. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 366, 190-194.	0.9	5
87	Existence and Global Exponential Stability of Almost Periodic Solutions for SICNNs with Nonlinear Behaved Functions and Mixed Delays. <i>Abstract and Applied Analysis</i> , 2010, 2010, 1-20.	0.3	5
88	Fixed-time control of competitive complex networks. <i>Neural Computing and Applications</i> , 2021, 33, 7943-7951.	3.2	5
89	Nonnegative periodicity on high-order proportional delayed cellular neural networks involving \$ D \$ operator. <i>AIMS Mathematics</i> , 2021, 6, 2228-2243.	0.7	5
90	A new blow-up criterion for the <i>N</i> â€“ <i>abc</i> family of Camassa-Holm type equation with both dissipation and dispersion. <i>Open Mathematics</i> , 2020, 18, 194-203.	0.5	5

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91	Dynamics analysis of a class of planar systems with time-varying delays. <i>Nonlinear Analysis: Real World Applications</i> , 2006, 7, 1233-1242.	0.9	4
92	Global well-posedness and infinite propagation speed for the N-abc family of Camassa-Holm type equation with both dissipation and dispersion. <i>Journal of Mathematical Physics</i> , 2020, 61, 071502.	0.5	4
93	Systemically important financial institutions in China: from view of tail risk spillover network. <i>Applied Economics Letters</i> , 2022, 29, 1833-1839.	1.0	4
94	Stability Analysis of High-order Proportional Delayed Cellular Neural Networks with D Operators. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 660-668.	1.6	4
95	Policy Iteration for Continuous-Time Average Reward Markov Decision Processes in Polish Spaces. <i>Abstract and Applied Analysis</i> , 2009, 2009, 1-17.	0.3	3
96	Attractors for the semilinear reaction-diffusion equation with distribution derivatives. <i>Journal of Mathematical Physics</i> , 2013, 54, 092701.	0.5	3
97	Input-to-state stability of hybrid stochastic systems with unbounded delays and impulsive effects. <i>Nonlinear Dynamics</i> , 2021, 104, 3753.	2.7	3
98	Delay-dependent attractivity on a tick population dynamics model incorporating two distinctive time-varying delays. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, .	1.0	3
99	Identification of crisis in the Chinese stock market based on complex network. <i>Applied Economics Letters</i> , 2023, 30, 2536-2542.	1.0	3
100	Multiple periodic orbits from Hopf bifurcation in a hierarchical neural network with Dn-Dn-symmetry and delays. <i>Neurocomputing</i> , 2020, 417, 516-527.	3.5	2
101	Convergence on Population Dynamics and High-Dimensional Haddock Conjecture. <i>Symmetry</i> , 2021, 13, 2252.	1.1	2
102	Positive stability analysis of pseudo almost periodic solutions for HDCNNs accompanying $D$ operator. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2022, 15, 1651.	0.6	2
103	$\mathcal{O}(\tau^{-\eta})$ -Synchronization and Asymptotic Synchronization of Delayed Fractional Order Neural Networks. <i>Acta Mathematica Scientia</i> , 2022, 42, 1273-1292.	0.5	2
104	New Results of a Class of Two-Neuron Networks with Time-Varying Delays. <i>Journal of Inequalities and Applications</i> , 2008, 2008, 1-14.	0.5	1
105	Stability Analysis of Stochastic Reaction-Diffusion Cohen-Grossberg Neural Networks with Time-Varying Delays. <i>Discrete Dynamics in Nature and Society</i> , 2009, 2009, 1-18.	0.5	1
106	Dynamics of Delayed Cohen-Grossberg Neural Networks. <i>AASRI Procedia</i> , 2012, 3, 254-261.	0.6	1
107	Hopf bifurcation and spatio-temporal patterns in a hierarchical network with delays and $Z_2$ -Znsymmetry. <i>Neurocomputing</i> , 2015, 168, 475-487.	3.5	1
108	Spatial dynamics of a diffusive SIRI model with distinct dispersal rates and heterogeneous environment. <i>Communications on Pure and Applied Analysis</i> , 2021, .	0.4	1

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109	Dynamics of a Diffusive Avian Influenza Model with Spatial Heterogeneity and General Incidence Rate. Qualitative Theory of Dynamical Systems, 2021, 20, 1.	0.8	1
110	Stability Analysis of a Class of Two-Neuron Networks with Time-Varying Delays. , 2008, , .		0
111	Weighted boundedness for Toeplitz type operators related to Riesz transforms of the Schrödinger operator. Georgian Mathematical Journal, 2013, 20, .	0.2	0
112	Ruin Probabilities in the Mixed Claim Frequency Risk Models. Mathematical Problems in Engineering, 2014, 2014, 1-7.	0.6	0
113	Nonlinear Problems: Mathematical Modeling, Analyzing, and Computing for Finance 2016. Mathematical Problems in Engineering, 2017, 2017, 1-2.	0.6	0
114	Bistable dynamics on a tick population equation incorporating Allee effect and two different time-varying delays. Discrete and Continuous Dynamical Systems - Series S, 2022, .	0.6	0