Cheng Hu

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

3,617 145 34 54 h-index g-index citations papers 6.36 4,767 152 4.9 avg, IF L-index ext. citations ext. papers

#	Paper	IF	Citations
145	Impulsive control and synchronization for delayed neural networks with reaction-diffusion terms. <i>IEEE Transactions on Neural Networks</i> , 2010 , 21, 67-81		181
144	Fixed-time stability of dynamical systems and fixed-time synchronization of coupled discontinuous neural networks. <i>Neural Networks</i> , 2017 , 89, 74-83	9.1	179
143	Projective synchronization for fractional neural networks. <i>Neural Networks</i> , 2014 , 49, 87-95	9.1	176
142	Batability and Bynchronization for fractional-order neural networks. Neural Networks, 2012, 35, 82-7	9.1	129
141	Dynamical analysis of a fractional-order predator-prey model incorporating a prey refuge. <i>Journal of Applied Mathematics and Computing</i> , 2017 , 54, 435-449	1.8	113
140	Exponential stabilization and synchronization of neural networks with time-varying delays via periodically intermittent control. <i>Nonlinearity</i> , 2010 , 23, 2369-2391	1.7	110
139	Leader-following consensus of fractional-order multi-agent systems under fixed topology. <i>Neurocomputing</i> , 2015 , 149, 613-620	5.4	88
138	Exponential synchronization of Cohen@rossberg neural networks via periodically intermittent control. <i>Neurocomputing</i> , 2011 , 74, 1776-1782	5.4	87
137	Some new results on stability and synchronization for delayed inertial neural networks based on non-reduced order method. <i>Neural Networks</i> , 2017 , 96, 91-100	9.1	86
136	Finite-time and fixed-time synchronization of discontinuous complex networks: A unified control framework design. <i>Journal of the Franklin Institute</i> , 2018 , 355, 4665-4685	4	78
135	Exponential lag synchronization for neural networks with mixed delays via periodically intermittent control. <i>Chaos</i> , 2010 , 20, 023108	3.3	77
134	Quasi-projective synchronization of fractional-order complex-valued recurrent neural networks. <i>Neural Networks</i> , 2018 , 104, 104-113	9.1	69
133	Exponential synchronization for reaction-diffusion networks with mixed delays in terms of p-norm via intermittent driving. <i>Neural Networks</i> , 2012 , 31, 1-11	9.1	66
132	Finite-time synchronization of delayed neural networks with Cohen©rossberg type based on delayed feedback control. <i>Neurocomputing</i> , 2014 , 143, 90-96	5.4	63
131	Existence and global exponential stability of periodic solution of memristor-based BAM neural networks with time-varying delays. <i>Neural Networks</i> , 2016 , 75, 97-109	9.1	61
130	Necessary and Sufficient Conditions for Consensus of Fractional-Order Multiagent Systems via Sampled-Data Control. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 1892-1901	10.2	60
129	Synchronization of hybrid-coupled delayed dynamical networks via aperiodically intermittent pinning control. <i>Journal of the Franklin Institute</i> , 2016 , 353, 2722-2742	4	54

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128	Pinning synchronization for directed networks with node balance via adaptive intermittent control. <i>Nonlinear Dynamics</i> , 2015 , 80, 295-307	5	54	
127	Finite-time synchronization of delayed dynamical networks via aperiodically intermittent control. <i>Journal of the Franklin Institute</i> , 2017 , 354, 5374-5397	4	53	
126	Exponential lag synchronization for delayed fuzzy cellular neural networks via periodically intermittent control. <i>Mathematics and Computers in Simulation</i> , 2012 , 82, 895-908	3.3	53	
125	Exponential synchronization of complex networks with finite distributed delays coupling. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 1999-2010		53	
124	Synchronization of complex-valued dynamic networks with intermittently adaptive coupling: A direct error method. <i>Automatica</i> , 2020 , 112, 108675	5.7	53	
123	Second-Order Consensus for Multiagent Systems via Intermittent Sampled Data Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 1986-2002	7.3	48	
122	Quasi-projective and complete synchronization of fractional-order complex-valued neural networks with time delays. <i>Neural Networks</i> , 2019 , 118, 102-109	9.1	45	
121	Leader-following consensus of fractional-order multi-agent systems via adaptive pinning control. <i>International Journal of Control</i> , 2015 , 88, 1746-1756	1.5	45	
120	Pinning adaptive and impulsive synchronization of fractional-order complex dynamical networks. <i>Chaos, Solitons and Fractals</i> , 2016 , 92, 142-149	9.3	45	
119	Fixed/Preassigned-Time Synchronization of Complex Networks via Improving Fixed-Time Stability. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2882-2892	10.2	45	
118	Pinning synchronization of weighted complex networks with variable delays and adaptive coupling weights. <i>Nonlinear Dynamics</i> , 2012 , 67, 1373-1385	5	42	
117	Synchronization of complex community networks with nonidentical nodes and adaptive coupling strength. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011 , 375, 873-879	2.3	41	
116	Consensus of second-order multi-agent systems with delayed nonlinear dynamics and aperiodically intermittent communications. <i>International Journal of Control</i> , 2017 , 90, 909-922	1.5	40	
115	Synchronization of fractional-order complex dynamical networks via periodically intermittent pinning control. <i>Chaos, Solitons and Fractals</i> , 2017 , 103, 357-363	9.3	40	
114	General impulsive control of chaotic systems based on a TS fuzzy model. <i>Fuzzy Sets and Systems</i> , 2011 , 174, 66-82	3.7	40	
113	Global asymptotic and robust stability of inertial neural networks with proportional delays. <i>Neurocomputing</i> , 2018 , 272, 326-333	5.4	39	
112	Edge-Based Fractional-Order Adaptive Strategies for Synchronization of Fractional-Order Coupled Networks With Reaction-Diffusion Terms. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 1582-1594	10.2	37	
111	Finite-time synchronization of memristor-based Cohen@rossberg neural networks with time-varying delays. <i>Neurocomputing</i> , 2016 , 194, 1-9	5.4	34	

110	Synchronization of nonlinear systems with delays via periodically nonlinear intermittent control. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 2978-2989	3.7	34
109	Exponential Stability of Fractional-Order Impulsive Control Systems With Applications in Synchronization. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3157-3168	10.2	33
108	Global synchronization between two fractional-order complex networks with non-delayed and delayed coupling via hybrid impulsive control. <i>Neurocomputing</i> , 2019 , 356, 31-39	5.4	32
107	Exponential and adaptive synchronization of inertial complex-valued neural networks: A non-reduced order and non-separation approach. <i>Neural Networks</i> , 2020 , 124, 50-59	9.1	32
106	Synchronization of hybrid coupled reaction-diffusion neural networks with time delays via generalized intermittent control with spacial sampled-data. <i>Neural Networks</i> , 2018 , 105, 75-87	9.1	32
105	Finite-time synchronization of fully complex-valued neural networks with fractional-order. <i>Neurocomputing</i> , 2020 , 373, 70-80	5.4	32
104	Stability and bifurcation analysis of an SIR epidemic model with logistic growth and saturated treatment. <i>Chaos, Solitons and Fractals</i> , 2017 , 99, 63-71	9.3	26
103	Global stability problem for feedback control systems of impulsive fractional differential equations on networks. <i>Neurocomputing</i> , 2015 , 161, 155-161	5.4	26
102	Delay-dependent dynamical analysis of complex-valued memristive neural networks: Continuous-time and discrete-time cases. <i>Neural Networks</i> , 2018 , 101, 33-46	9.1	26
101	General decay synchronization of memristor-based Cohen@rossberg neural networks with mixed time-delays and discontinuous activations. <i>Journal of the Franklin Institute</i> , 2017 , 354, 7028-7052	4	26
100	Dynamical analysis of rumor spreading model in homogeneous complex networks. <i>Applied Mathematics and Computation</i> , 2019 , 359, 374-385	2.7	25
99	Nonseparation Method-Based Finite/Fixed-Time Synchronization of Fully Complex-Valued Discontinuous Neural Networks. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 3212-3223	10.2	25
98	Fuzzy Impulsive Control and Synchronization of General Chaotic System. <i>Acta Applicandae Mathematicae</i> , 2010 , 109, 463-485	1.1	24
97	Global dynamics of the multi-lingual SIR rumor spreading model with cross-transmitted mechanism. <i>Chaos, Solitons and Fractals</i> , 2019 , 126, 148-157	9.3	23
96	Cluster synchronization for directed community networks via pinning partial schemes. <i>Chaos, Solitons and Fractals</i> , 2012 , 45, 1368-1377	9.3	23
95	Corrigendum to P rojective synchronization for fractional neural networks[] <i>Neural Networks</i> , 2015 , 67, 152-154	9.1	22
94	Consensus of second-order multi-agent systems with nonlinear dynamics via edge-based distributed adaptive protocols. <i>Journal of the Franklin Institute</i> , 2016 , 353, 4821-4844	4	22
93	Global Mittagleffler stability for a coupled system of fractional-order differential equations on network with feedback controls. <i>Neurocomputing</i> , 2016 , 214, 233-241	5.4	22

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92	Generalized intermittent control and its adaptive strategy on stabilization and synchronization of chaotic systems. <i>Chaos, Solitons and Fractals</i> , 2016 , 91, 262-269	9.3	21	
91	Dynamical analysis of rumor spreading model in multi-lingual environment and heterogeneous complex networks. <i>Information Sciences</i> , 2020 , 536, 391-408	7.7	20	
90	Convergence behavior of delayed discrete cellular neural network without periodic coefficients. <i>Neural Networks</i> , 2014 , 53, 61-8	9.1	19	
89	Exponential synchronization for delayed recurrent neural networks via periodically intermittent control. <i>Neurocomputing</i> , 2013 , 113, 122-129	5.4	19	
88	Global Stabilization of Fuzzy Memristor-Based Reaction-Diffusion Neural Networks. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4658-4669	10.2	19	
87	Synchronization of a Class of Improved Neural Networks Based on Periodic Intermittent Control. <i>Neural Processing Letters</i> , 2018 , 47, 1-19	2.4	18	
86	Existence and stability of periodic solutions of discrete-time Cohen@rossberg neural networks with delays and impulses. <i>Neurocomputing</i> , 2014 , 142, 542-550	5.4	17	
85	Finite/fixed-time synchronization control of coupled memristive neural networks. <i>Journal of the Franklin Institute</i> , 2019 , 356, 9928-9952	4	16	
84	Asymptotical and adaptive synchronization of Cohen©rossberg neural networks with heterogeneous proportional delays. <i>Neurocomputing</i> , 2018 , 275, 1449-1455	5.4	15	
83	Stabilization of nonlinear systems with time-varying delays via impulsive control. <i>Neurocomputing</i> , 2014 , 125, 68-71	5.4	15	
82	Globally Exponential Stability for Delayed Neural Networks Under Impulsive Control. <i>Neural Processing Letters</i> , 2010 , 31, 105-127	2.4	15	
81	Multiple types of synchronization analysis for discontinuous Cohen-Grossberg neural networks with time-varying delays. <i>Neural Networks</i> , 2018 , 99, 101-113	9.1	14	
80	Dynamic analysis of a fractional-order single-species model with diffusion. <i>Nonlinear Analysis: Modelling and Control</i> , 2017 , 22, 303-316	1.3	14	
79	Finite-Time Synchronization of Fractional-Order Complex-Variable Dynamic Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems,</i> 2021 , 51, 4297-4307	7.3	14	
78	Guaranteed cost consensus for second-order multi-agent systems with heterogeneous inertias. <i>Applied Mathematics and Computation</i> , 2018 , 338, 739-757	2.7	13	
77	Synchronization in finite/fixed time of fully complex-valued dynamical networks via nonseparation approach. <i>Journal of the Franklin Institute</i> , 2020 , 357, 473-493	4	13	
76	Finite-Time Synchronization of Memristive Neural Networks With Fractional-Order. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems,</i> 2021 , 51, 3739-3750	7.3	13	
75	Finite-time cluster synchronization in complex-variable networks with fractional-order and nonlinear coupling. <i>Neural Networks</i> , 2021 , 135, 212-224	9.1	13	

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Applied Sciences, 2017, 24, 300-309

SIAM Journal on Control and Optimization, 2018, 56, 2189-2217

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56	Global stability of an epidemic model with age-dependent vaccination, latent and relapse. <i>Chaos, Solitons and Fractals,</i> 2017 , 105, 195-207	9.3	8	
55	Parameter identification based on finite-time synchronization for Cohen © rossberg neural networks with time-varying delays. <i>Nonlinear Analysis: Modelling and Control</i> , 2015 , 20, 348-366	1.3	8	
54	Leader-following Cluster Consensus in Multi-agent Systems with Intermittence. <i>International Journal of Control, Automation and Systems</i> , 2018 , 16, 437-451	2.9	7	
53	Finite-/Fixed-Time Synchronization of Memristor Chaotic Systems and Image Encryption Application. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021 , 68, 4957-4969	3.9	7	
52	Synchronization for fractional-order reaction diffusion competitive neural networks with leakage and discrete delays. <i>Neurocomputing</i> , 2021 , 436, 47-57	5.4	7	
51	Projective synchronization in finite-time for fully quaternion-valued memristive networks with fractional-order. <i>Chaos, Solitons and Fractals</i> , 2021 , 147, 110911	9.3	7	
50	Exponential dissipativity analysis of discrete-time switched memristive neural networks with actuator saturation via quasi-time-dependent control. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 67-84	3.6	7	
49	Leader-following guaranteed performance consensus for second-order multi-agent systems with and without communication delays. <i>IET Control Theory and Applications</i> , 2018 , 12, 2055-2066	2.5	7	
48	Aperiodically intermittent strategy for finite-time synchronization of delayed neural networks. <i>Neurocomputing</i> , 2018 , 310, 1-9	5.4	6	
47	Finite-time uniform stability of functional differential equations with applications in network synchronization control. <i>Chaos, Solitons and Fractals</i> , 2014 , 62-63, 10-22	9.3	6	
46	Finite-time synchronization of fully complex-valued networks with or without time-varying delays via intermittent control. <i>Neurocomputing</i> , 2020 , 413, 173-184	5.4	6	
45	Fixed-time Synchronization of Coupled Memristive Complex-valued Neural Networks. <i>Chaos, Solitons and Fractals,</i> 2021 , 148, 110993	9.3	6	
44	Pinning impulsive stabilization for BAM reaction-diffusion neural networks with mixed delays. Journal of the Franklin Institute, 2018 , 355, 8802-8829	4	6	
43	Synchronization of fractional-order spatiotemporal complex networks with boundary communication. <i>Neurocomputing</i> , 2021 , 450, 197-207	5.4	6	
42	Non-separation method-based robust finite-time synchronization of uncertain fractional-order quaternion-valued neural networks. <i>Applied Mathematics and Computation</i> , 2021 , 409, 126377	2.7	6	
41	Cluster-delay consensus in MASs with layered intermittent communication: a multi-tracking approach. <i>Nonlinear Dynamics</i> , 2019 , 95, 1713-1730	5	5	
40	Fixed/predefined-time synchronization of fuzzy neural networks with stochastic perturbations. <i>Chaos, Solitons and Fractals</i> , 2021 , 111596	9.3	5	
39	Stabilization of inertial Cohen-Grossberg neural networks with generalized delays: A direct analysis approach. <i>Chaos, Solitons and Fractals</i> , 2021 , 142, 110432	9.3	5	

38	Consensus for general multi-agent networks with external disturbances. <i>Neurocomputing</i> , 2016 , 198, 100-108	5.4	4
37	Exponential Synchronization of Complex-Valued Neural Networks Via Average Impulsive Interval Strategy. <i>Neural Processing Letters</i> , 2020 , 52, 1377-1394	2.4	4
36	Improved fixed-time stability results and application to synchronization of discontinuous neural networks with state-dependent switching. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 5725-5744	3.6	4
35	Robust exponential stability of fractional-order coupled quaternion-valued neural networks with parametric uncertainties and impulsive effects. <i>Chaos, Solitons and Fractals</i> , 2021 , 143, 110598	9.3	4
34	Finite-time stabilization of fractional-order fuzzy quaternion-valued BAM neural networks via direct quaternion approach. <i>Journal of the Franklin Institute</i> , 2021 , 358, 7650-7673	4	4
33	Observer-based consensus for multi-agent systems with partial adaptive dynamic protocols. <i>Nonlinear Analysis: Hybrid Systems</i> , 2019 , 34, 58-73	4.5	3
32	Dynamics of the rumor-spreading model with hesitation mechanism in heterogenous networks and bilingual environment. <i>Advances in Difference Equations</i> , 2020 , 2020,	3.6	3
31	Complete and finite-time synchronization of fractional-order fuzzy neural networks via nonlinear feedback control. <i>Fuzzy Sets and Systems</i> , 2021 ,	3.7	3
30	Synchronization analysis for delayed spatio-temporal neural networks with fractional-order. <i>Neurocomputing</i> , 2021 , 441, 226-236	5.4	3
29	Exponential Stability of Cohen-Grossberg Neural Networks with Impulse Time Window. <i>Discrete Dynamics in Nature and Society</i> , 2016 , 2016, 1-11	1.1	3
28	Stability and Synchronization Analysis of Discrete-Time Delayed Neural Networks with Discontinuous Activations. <i>Neural Processing Letters</i> , 2019 , 50, 1549-1570	2.4	3
27	Stability property of impulsive inertial neural networks with unbounded time delay and saturating actuators. <i>Neural Computing and Applications</i> , 2020 , 32, 6571-6580	4.8	3
26	Distributed consensus for multi-agent systems via adaptive sliding mode control. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 7125-7151	3.6	3
25	Some new results on dynamics of delayed Cohen©rossberg neural networks without intra-neuron delay. <i>Neurocomputing</i> , 2015 , 168, 1051-1058	5.4	2
24	Exponential Lag Synchronization for Delayed Cohen-Grossberg Neural Networks with Discontinuous Activations. <i>Lecture Notes in Computer Science</i> , 2015 , 129-137	0.9	2
23	Synchronization of coupled reaction-diffusion neural networks with switching topology via generalized intermittent control and adaptive strategy 2017 ,		2
22	Adaptive Synchronization for a Class of Cellular Neural Networks with Pantograph Delays. <i>Abstract and Applied Analysis</i> , 2013 , 2013, 1-7	0.7	2
21	Multiple finite-time synchronization of delayed inertial neural networks via a unified control scheme. <i>Knowledge-Based Systems</i> , 2021 , 107785	7.3	2

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20	Fixed/Preassigned-time synchronization of quaternion-valued neural networks via pure power-law control <i>Neural Networks</i> , 2021 , 146, 341-349	9.1	2
19	Intermittent Control Based Exponential Synchronization of Inertial Neural Networks with Mixed Delays. <i>Neural Processing Letters</i> , 2021 , 53, 3965	2.4	2
18	Adaptive Control Strategy for Projective Synchronization of Neural Networks. <i>Lecture Notes in Computer Science</i> , 2017 , 253-260	0.9	1
17	Fixed-Time Lag Synchronization Analysis for Delayed Memristor-Based Neural Networks. <i>Neural Processing Letters</i> , 2020 , 52, 485-509	2.4	1
16	Time-Delayed Impulsive Control of Chaotic System Based on T-S Fuzzy Model. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-12	1.1	1
15	Fixed-Time Synchronization Control of Delayed Dynamical Complex Networks Entropy, 2021 , 23,	2.8	1
14	Stability and Hopf bifurcation analysis of multi-lingual rumor spreading model with nonlinear inhibition mechanism. <i>Chaos, Solitons and Fractals,</i> 2021 , 153, 111464	9.3	1
13	HIbutput synchronization of directed coupled reaction-diffusion neural networks via event-triggered quantized control. <i>Journal of the Franklin Institute</i> , 2021 , 358, 4458-4482	4	1
12	Exponential synchronization for spatio-temporal directed networks via intermittent pinning control. <i>Neurocomputing</i> , 2021 , 451, 337-349	5.4	1
11	Exponential passivity of discrete-time switched neural networks with transmission delays via an event-triggered sliding mode control. <i>Neural Networks</i> , 2021 , 143, 271-282	9.1	1
10	Consensus of high-order feed-forward non-linear systems with low gain and communication constraints. <i>Transactions of the Institute of Measurement and Control</i> , 2019 , 41, 1101-1109	1.8	0
9	Stabilization and Synchronization of Unified Chaotic System via Impulsive Control. <i>Abstract and Applied Analysis</i> , 2014 , 2014, 1-8	0.7	O
8	Fixed/preassigned-time synchronization control of complex networks with time varying delay. <i>IEEE Access</i> , 2022 , 1-1	3.5	0
7	Pinning exponential synchronization for inertial coupled neural networks via adaptive aperiodically intermittent control under directed topology. <i>Journal of the Franklin Institute</i> , 2021 , 359, 1112-1112	4	O
6	Fixed-Time Synchronization for Fuzzy-Based Impulsive Complex Networks. <i>Mathematics</i> , 2022 , 10, 1533	3 2.3	0
5	Global Stability of Complex-Valued Neural Networks with Time-Delays and Impulsive Effects. <i>Lecture Notes in Computer Science</i> , 2017 , 825-835	0.9	
4	Consensus for Higher-Order Multi-agent Networks with External Disturbances. <i>Lecture Notes in Computer Science</i> , 2014 , 611-620	0.9	
3	Leader-Following Consensus Problem of Fractional-Order Multi-agent Systems with Perturbation. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 243-253	0.2	

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