Zhengxin Wang

List of Publications by Year
in descending order

49 papers	598 citations	623734 14 h-index	642732 23 g-index
49 all docs	49 docs citations	49 times ranked	470 citing authors

#	Article	IF	Citations
1	Quasi-synchronization of heterogeneous Lurâ€™e networks with uncertain parameters and impulsive effect. Neurocomputing, 2022, 482, 252-263.	5.9	7
2	Quasi-Synchronization of Delayed Stochastic Multiplex Networks via Impulsive Pinning Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5389-5397.	9.3	32
3	Leader-following quasi-bipartite synchronization of coupled heterogeneous harmonic oscillators via event-triggered control. Applied Mathematics and Computation, 2022, 427, 127172.	2.2	8
4	Quasi-Synchronization in Heterogeneous Harmonic Oscillators With Continuous and Sampled Coupling. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1267-1277.	9.3	34
5	Impulsive quasi-containment control in heterogeneous multiplex networks. Neurocomputing, 2021, 419, 37-46.	5.9	2
6	Non-fragile quasi-synchronization of delayed heterogeneous dynamical networks with memory sampled-data control. Transactions of the Institute of Measurement and Control, 2021, 43, 2321-2333.	1.7	1
7	Synchronization of multiplex networks with stochastic perturbations via pinning adaptive control. Journal of the Franklin Institute, 2021, 358, 3994-4012.	3.4	18
8	Stochastic Synchronization of Multiplex Networks With Continuous and Impulsive Couplings. IEEE Transactions on Network Science and Engineering, 2021, 8, 2533-2544.	6.4	6
9	Synchronization of Stochastic Multiplex Networks With Impulsive Effects. , 2021, , .		0
10	A water shortage risk predicting model through estimating mutual information values between risk and risk factors. Environmental Earth Sciences, 2021, 80, 1.	2.7	1
11	Improving dynamics of integer-order small-world network models under fractional-order PD control. Science China Information Sciences, 2020, 63, 1.	4.3	5
12	An improved method for predicting water shortage risk in the case of insufficient data and its application in Tianjin, China. Journal of Earth System Science, 2020, 129, 1.	1.3	5
13	Distributed Tracking in Heterogeneous Networks With Asynchronous Sampled-Data Control. IEEE Transactions on Industrial Informatics, 2020, 16, 7381-7391.	11.3	31
14	Bifurcations in a fractional-order neural network with multiple leakage delays. Neural Networks, 2020, 131, 115-126.	5.9	64
15	Modeling the dependence pattern between two precipitation variables using a coupled copula. Environmental Earth Sciences, 2020, 79, 1.	2.7	9
16	Quasi-Synchronization in Heterogeneous Delayed Multiplex Networks Via Impulsive Control. , 2020, , .		0
17	Quasiâ€synchronization of multilayer heterogeneous networks with a dynamic leader. International Journal of Robust and Nonlinear Control, 2020, 30, 2736-2751.	3.7	7
18	Pinning Group Tracking Consensus of First-Order Nonlinear Multiagent Systems. , 2020, , .		2

#	Article	IF	Citations
19	Asynchronous Quasi-Consensus of Heterogeneous Multiagent Systems With Nonuniform Input Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-13.	9.3	21
20	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:mi> control law: Stability, bifurcation and periodic oscillations. Chaos, Solitons and Fractals, 2019, 126, 242-252.	5.1	6
21	Stability and bifurcation analysis of a gene expression model with small RNAs and mixed delays. Advances in Difference Equations, 2019, 2019, .	3.5	2
22	Disparate delays-induced bifurcations in a fractional-order neural network. Journal of the Franklin Institute, 2019, 356, 2825-2846.	3.4	45
23	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> scheme. Physica A: Statistical Mechanics and Its Applications, 2019, 532, 121769.	2.6	6
24	Synchronization in Heterogeneous Networks Coupled of LC Oscillators Via Sampled-Data Control. , 2019, , .		0
25	Quasi-synchronization of heterogeneous dynamical networks with sampled-data and input saturation. Neurocomputing, 2019, 339, 130-138.	5.9	12
26	Consensus in nonlinear multi-agent systems with nonidentical nodes and sampled-data control. Science China Information Sciences, 2018, 61, 1.	4.3	18
27	Quasi-synchronization of heterogeneous complex networks with switching sequentially disconnected topology. Neurocomputing, 2017, 237, 342-349.	5.9	10
28	Synchronization of coupled heterogeneous complex networks. Journal of the Franklin Institute, 2017, 354, 4102-4125.	3.4	36
29	Sampled-data-based tracking for heterogeneous nonlinear second-order multiagent systems. , 2017, , .		0
30	Epidemic Spreading with Heterogeneous Awareness on Human Networks. Mathematical Problems in Engineering, 2017, 2017, 1-7.	1.1	0
31	Pinning Synchronization in Heterogeneous Networks of Harmonic Oscillators. Lecture Notes in Computer Science, 2017, , 836-845.	1.3	0
32	A new information diffusion modelling technique based on vibrating string equation and its application in natural disaster risk assessment. International Journal of General Systems, 2015, 44, 601-614.	2.5	12
33	Stability switches and Hopf bifurcations of an isolated population model with delay-dependent parameters. Applied Mathematics and Computation, 2015, 264, 99-115.	2.2	3
34	Synchronization via pinning control on heterogeneous dynamical networks. , 2015, , .		2
35	Periodic Solutions of the Second-Order Neutral Functional Differential Systems with Operator Varying in Time and Delays. Journal of Mathematical Sciences, 2015, 208, 498-519.	0.4	1
36	Reconstruction of a dynamicalâ€“statistical forecasting model of the ENSO index based on the improved self-memorization principle. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 101, 14-26.	1.4	4

#	Article	IF	Citations
37	Quasi-synchronization of the heterogeneous oscillator dynamical networks. , 2014, , .		2
38	Synchronization of coupled Duffing-type oscillator dynamical networks. Neurocomputing, 2014, 136, 162-169.	5.9	16
39	Synchronization in an array of nonidentical neural networks with leakage delays and impulsive coupling. Neurocomputing, 2013, 111, 177-183.	5.9	15
40	Finite-time stochastic stabilization for BAM neural networks with uncertainties. Journal of the Franklin Institute, 2013, 350, 2109-2123.	3.4	66
41	Consensus Analysis for High-Order Multi-Agent Systems without or with Delays. Discrete Dynamics in Nature and Society, 2013, 2013, 1-11.	0.9	0
42	Finite-Time Robust Stabilization for Stochastic Neural Networks. Abstract and Applied Analysis, 2012, 2012, 1-15.	0.7	2
43	Impulsive synchronization of coupled dynamical networks with nonidentical Duffing oscillators and coupling delays. Chaos, 2012, 22, 013140.	2.5	31
44	Quasi-consensus of second-order leader-following multi-agent systems. IET Control Theory and Applications, 2012, 6, 545.	2.1	30
45	Existence and Global Stability of Periodic Solutions of Generalized-Brain-State-in-a-Box (GBSB) Neural Models. Lecture Notes in Computer Science, 2011, , 321-328.	1.3	0
46	Existence of periodic solutions for a -Laplacian neutral functional differential equation with multiple variable parameters. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 734-747.	1.1	9
47	The existence and uniqueness of periodic solutions for a kind of Duffing-type equation with two deviating arguments. Nonlinear Analysis: Theory, Methods & Applications, 2010, 73, 3034-3043.	1.1	14
48	On the existence of periodic solutions to a fourth-order -Laplacian differential equation with a deviating argument. Nonlinear Analysis: Real World Applications, 2010, 11, 1660-1669.	1.7	3
49	Asynchronous sampling-based leader-following consensus in second-order multi-agent systems. Kybernetika, 0, , 61-78.	0.0	0