

# Junwei Wang

## List of Publications by Year in descending order

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55  
papers

1,097  
citations

430754

18  
h-index

414303

32  
g-index

55  
all docs

55  
docs citations

55  
times ranked

915  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extending synchronization scheme to chaotic fractional-order Chen systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 370, 279-285.	1.2	101
2	Hopf bifurcation and chaos in fractional-order modified hybrid optical system. <i>Nonlinear Dynamics</i> , 2012, 69, 275-284.	2.7	91
3	Noise-induced switches in network systems of the genetic toggle switch. <i>BMC Systems Biology</i> , 2007, 1, 50.	3.0	83
4	Leader-Following Consensus for a Class of Nonlinear Strick-Feedback Multiagent Systems With State Time-Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 2351-2361.	5.9	66
5	Designing synchronization schemes for chaotic fractional-order unified systems. <i>Chaos, Solitons and Fractals</i> , 2006, 30, 1265-1272.	2.5	56
6	Chaos Control of a Fractional-Order Financial System. <i>Mathematical Problems in Engineering</i> , 2010, 2010, 1-18.	0.6	56
7	Chaos and mixed synchronization of a new fractional-order system with one saddle and two stable node-foci. <i>Nonlinear Dynamics</i> , 2011, 65, 457-466.	2.7	54
8	Network synchronization in a population of star-coupled fractional nonlinear oscillators. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 1464-1468.	0.9	46
9	Second-order consensus of nonlinear multi-agent systems with restricted switching topology and time delay. <i>Nonlinear Dynamics</i> , 2014, 78, 881-887.	2.7	45
10	S $\tilde{\epsilon}$ - $\tilde{\epsilon}$ nikov-type orbits of Lorenz-family systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 375, 438-446.	1.2	36
11	control of a chaotic finance system in the presence of external disturbance and input time-delay. <i>Applied Mathematics and Computation</i> , 2014, 233, 320-327.	1.4	35
12	Adaptive consensus of nonlinear multi-agent systems with unknown backlash-like hysteresis. <i>Neurocomputing</i> , 2016, 175, 698-703.	3.5	31
13	Qualitative analysis for solutions of a certain more generalized two-dimensional fractional differential system with Hadamard derivative. <i>Applied Mathematics and Computation</i> , 2015, 257, 436-445.	1.4	27
14	Coordination of multi-agent systems on interacting physical and communication topologies. <i>Systems and Control Letters</i> , 2017, 100, 56-65.	1.3	24
15	Neurotransmitter-Mediated Collective Rhythms in Grouped Drosophila Circadian Clocks. <i>Journal of Biological Rhythms</i> , 2008, 23, 472-482.	1.4	22
16	Pinning synchronization of fractional-order complex networks with Lipschitz-type nonlinear dynamics. <i>ISA Transactions</i> , 2015, 57, 111-116.	3.1	22
17	Consensus of second-order nonlinear multi-agent systems under state-controlled switching topology. <i>Nonlinear Dynamics</i> , 2015, 81, 1871-1878.	2.7	22
18	A general fractional-order dynamical network: Synchronization behavior and state tuning. <i>Chaos</i> , 2012, 22, 023102.	1.0	18

#	ARTICLE	IF	CITATIONS
19	Fuzzy stability and synchronization of hyperchaos systems. <i>Chaos, Solitons and Fractals</i> , 2008, 35, 922-930.	2.5	17
20	Adaptive Leader-Following Consensus of Multi-Agent Systems with Unknown Nonlinear Dynamics. <i>Entropy</i> , 2014, 16, 5020-5031.	1.1	17
21	Synchronization of fractional-order linear complex networks. <i>ISA Transactions</i> , 2015, 55, 129-134.	3.1	17
22	Cluster consensus of heterogeneous linear multi-agent systems. <i>IET Control Theory and Applications</i> , 2018, 12, 1533-1542.	1.2	17
23	Observer-based adaptive consensus tracking control for nonlinear multi-agent systems with actuator hysteresis. <i>Nonlinear Dynamics</i> , 2019, 95, 2181-2195.	2.7	17
24	Output Consensus of Heterogeneous Multiagent Systems: A Distributed Observer-Based Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 370-376.	5.9	16
25	Direct Adaptive Fuzzy Control Scheme With Guaranteed Tracking Performances for Uncertain Canonical Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 818-829.	6.5	15
26	Chaos synchronization based on contraction principle. <i>Chaos, Solitons and Fractals</i> , 2007, 33, 163-170.	2.5	14
27	Observer-based synchronization in fractional-order leader-follower complex networks. <i>Nonlinear Dynamics</i> , 2013, 73, 921-929.	2.7	14
28	Interacting stochastic oscillators. <i>Physical Review E</i> , 2008, 77, 021101.	0.8	12
29	Delay-dependent control of linear systems with multiple time-varying state and input delays. <i>Nonlinear Analysis: Real World Applications</i> , 2012, 13, 486-496.	0.9	12
30	Outer Synchronization between Fractional-Order Complex Networks: A Non-Fragile Observer-based Control Scheme. <i>Entropy</i> , 2013, 15, 1357-1374.	1.1	12
31	cAMP-regulated dynamics of the mammalian circadian clock. <i>BioSystems</i> , 2010, 101, 136-143.	0.9	9
32	A computational model clarifies the roles of positive and negative feedback loops in the <i>Drosophila</i> circadian clock. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 2743-2749.	0.9	8
33	Cluster output regulation of heterogeneous multi-agent systems. <i>International Journal of Control</i> , 2020, 93, 2973-2981.	1.2	8
34	Adaptive leader-following consensus of nonlinear multi-agent systems with jointly connected topology. , 2015, , .		7
35	Optimal control for probabilistic Boolean networks using discrete-time Markov decision processes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 503, 1297-1307.	1.2	7
36	Conjugate Lorenz-type chaotic attractors. <i>Chaos, Solitons and Fractals</i> , 2009, 40, 923-929.	2.5	6

#	ARTICLE	IF	CITATIONS
37	Distributed Consensus of Nonlinear Multi-Agent Systems on State-Controlled Switching Topologies. Entropy, 2016, 18, 29.	1.1	6
38	Inverse synchronization of coupled fractional-order systems through open-plus-closed-loop control. Pramana - Journal of Physics, 2011, 76, 385-396.	0.9	4
39	Consensus of multi-agent nonlinear dynamic systems under slow switching topology. , 2014, , .		4
40	Synchronization rate of synchronized coupled systems. Physica A: Statistical Mechanics and Its Applications, 2007, 385, 689-699.	1.2	3
41	POSITIVE FEEDBACK-ASSISTED SHORT/LONG-RANGE CELL SIGNALINGS IN MAPK CASCADES. International Journal of Modern Physics C, 2009, 20, 1769-1787.	0.8	3
42	Robust projective outer synchronization of coupled uncertain fractional-order complex networks. Open Physics, 2013, 11, .	0.8	2
43	Consensus of High-Order Nonlinear Multiagent Systems with Constrained Switching Topologies. Complexity, 2017, 2017, 1-11.	0.9	2
44	Cluster consensus seeking of heterogeneous multi-agent systems. , 2018, , .		2
45	Stochastic Synchronization of Nonlinear Networks With Directed Graphs and Degenerate Noise. IEEE Transactions on Control of Network Systems, 2022, 9, 427-437.	2.4	2
46	Adaptive Fuzzy Control Scheme With Guaranteed Performance For Uncertain Nonlinear Systems Preceded By Preisach Operator. , 2021, , .		2
47	Mode decomposition for a synchronous state and its applications. Chaos, Solitons and Fractals, 2007, 31, 718-725.	2.5	1
48	Bifurcation analysis of maps with delay in nonlinear term via a frequency-domain approach. , 2011, , .		1
49	Birhythmicity and Hard Excitation from Coupled Synthetic Feedback Loops. Journal of Applied Mathematics, 2014, 2014, 1-13.	0.4	1
50	Exponential consensus of second-order multi-agent systems with time-varying delay under switching network. , 2015, , .		1
51	Cluster consensus of multi-agent systems with heterogeneous dynamics. , 2017, , .		1
52	Output Consensus of Heterogeneous Multiagent Systems with Physical and Communication Graphs. Complexity, 2018, 2018, 1-11.	0.9	1
53	Distributed Observer Design for Linear Systems under Time-Varying Communication Delay. Complexity, 2021, 2021, 1-12.	0.9	1
54	Characterization of cusp bifurcation for maps in the frequency domain. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
55	Guaranteed-Performance Adaptive Fuzzy Control Scheme For Uncertain Nonlinear Systems With Prandtl-Ishlinskii Hysteresis. , 2021, , .		0