

# Jin Zhou

## List of Publications by Year in descending order

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90  
papers

2,560  
citations

279701

23  
h-index

189801

50  
g-index

92  
all docs

92  
docs citations

92  
times ranked

1257  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pinning adaptive synchronization of a general complex dynamical network. <i>Automatica</i> , 2008, 44, 996-1003.	3.0	519
2	Synchronization in general complex delayed dynamical networks. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2006, 53, 733-744.	0.1	247
3	Synchronization in complex delayed dynamical networks with impulsive effects. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 384, 684-692.	1.2	178
4	Robust impulsive synchronization of complex delayed dynamical networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 4990-4995.	0.9	109
5	Robust synchronization of delayed neural networks based on adaptive control and parameters identification. <i>Chaos, Solitons and Fractals</i> , 2006, 27, 905-913.	2.5	108
6	Chaotic Lag Synchronization of Coupled Delayed Neural Networks and Its Applications in Secure Communication. <i>Circuits, Systems, and Signal Processing</i> , 2005, 24, 599-613.	1.2	93
7	Synchronization of coupled harmonic oscillators with local instantaneous interaction. <i>Automatica</i> , 2012, 48, 1715-1721.	3.0	88
8	Synchronization of sampled-data coupled harmonic oscillators with control inputs missing. <i>Systems and Control Letters</i> , 2012, 61, 1277-1285.	1.3	88
9	Pinning Complex Delayed Dynamical Networks by a Single Impulsive Controller. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2011, 58, 2882-2893.	3.5	86
10	Global synchronization in general complex delayed dynamical networks and its applications. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 385, 729-742.	1.2	81
11	Impulsive pinning complex dynamical networks and applications to firing neuronal synchronization. <i>Nonlinear Dynamics</i> , 2012, 69, 1393-1403.	2.7	66
12	Impulsive synchronization seeking in general complex delayed dynamical networks. <i>Nonlinear Analysis: Hybrid Systems</i> , 2011, 5, 513-524.	2.1	62
13	Adaptive group consensus in uncertain networked Euler-Lagrange systems under directed topology. <i>Nonlinear Dynamics</i> , 2015, 82, 1145-1157.	2.7	54
14	Exponential Stability of Impulsive Delayed Linear Differential Equations. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2009, 56, 744-748.	2.2	52
15	ADAPTIVE SYNCHRONIZATION OF COUPLED CHAOTIC DELAYED SYSTEMS BASED ON PARAMETER IDENTIFICATION AND ITS APPLICATIONS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006, 16, 2923-2933.	0.7	45
16	Multi-objective region reaching control for a swarm of robots. <i>Automatica</i> , 2019, 103, 81-87.	3.0	40
17	Neural network-based region reaching formation control for multi-robot systems in obstacle environment. <i>Neurocomputing</i> , 2019, 333, 11-21.	3.5	39
18	Impulsive consensus seeking in directed networks of multi-agent systems with communication time delays. <i>International Journal of Systems Science</i> , 2012, 43, 1479-1491.	3.7	38

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19	Distributed impulsive consensus for second-order multi-agent systems with input delays. IET Control Theory and Applications, 2013, 7, 1978-1983.	1.2	35
20	Oscillatory Behaviors in Genetic Regulatory Networks Mediated by MicroRNA With Time Delays and Reaction-Diffusion Terms. IEEE Transactions on Nanobioscience, 2017, 16, 166-176.	2.2	30
21	Distributed coordinated adaptive tracking in networked redundant robotic systems with a dynamic leader. Science China Technological Sciences, 2014, 57, 905-913.	2.0	29
22	Cooperative adaptive consensus tracking for multiple nonholonomic mobile robots. International Journal of Systems Science, 2019, 50, 1556-1567.	3.7	28
23	Oscillatory dynamics of p38 activity with transcriptional and translational time delays. Scientific Reports, 2017, 7, 11495.	1.6	24
24	Impulses-induced exponential stability in recurrent delayed neural networks. Neurocomputing, 2011, 74, 3204-3211.	3.5	23
25	Impulsive synchronization motion in networked open-loop multibody systems. Multibody System Dynamics, 2013, 30, 37-52.	1.7	23
26	On LaSalle's invariance principle and its application to robust synchronization of general vector Lie/spl acute/nard equations. IEEE Transactions on Automatic Control, 2005, 50, 869-874.	3.6	22
27	Adaptive formation control of networked Lagrangian systems with a moving leader. Nonlinear Dynamics, 2017, 90, 2755-2766.	2.7	21
28	Practical consensus tracking control of multiple nonholonomic wheeled mobile robots in polar coordinates. International Journal of Robust and Nonlinear Control, 2020, 30, 3831-3847.	2.1	19
29	Synchronization of Networked Harmonic Oscillators With Communication Delays Under Local Instantaneous Interaction. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2012, 134, .	0.9	18
30	Practical synchronization of second-order nonautonomous systems with parameter mismatch and its applications. Nonlinear Dynamics, 2012, 69, 1285-1292.	2.7	17
31	Adaptive practical synchronisation of Lagrangian networks with a directed graph via pinning control. IET Control Theory and Applications, 2015, 9, 2157-2164.	1.2	17
32	Sampled-data synchronisation of coupled harmonic oscillators with communication and input delays subject to controller failure. International Journal of Systems Science, 2016, 47, 235-248.	3.7	16
33	Pinning adaptive synchronization of general time-varying delayed and multi-linked networks with variable structures. Neurocomputing, 2015, 147, 492-499.	3.5	15
34	Fault Detection Filtering for a Class of Nonhomogeneous Markov Jump Systems with Random Sensor Saturations. International Journal of Control, Automation and Systems, 2020, 18, 439-449.	1.6	15
35	Distributed impulsive group consensus in second-order multi-agent systems under directed topology. International Journal of Control, 2014, , 1-10.	1.2	14
36	Pinning Synchronization in Networked Lagrangian Systems. Asian Journal of Control, 2016, 18, 569-580.	1.9	12

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37	Tracking task-space synchronization of networked Lagrangian systems with switching topology. <i>Nonlinear Dynamics</i> , 2016, 83, 1673-1685.	2.7	12
38	Synchronization control for networked mobile robot systems based on Udwadia's Kalaba approach. <i>Nonlinear Dynamics</i> , 2021, 105, 315-330.	2.7	12
39	Formation control with collision avoidance for uncertain networked Lagrangian systems via adaptive gain techniques. <i>IET Control Theory and Applications</i> , 2018, 12, 1393-1401.	1.2	11
40	Impulsive practical tracking synchronization of networked uncertain Lagrangian systems without and with time-delays. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 415, 116-132.	1.2	10
41	Group Consensus in Networked Mechanical Systems with Communication Delays. <i>Procedia IUTAM</i> , 2017, 22, 107-114.	1.2	10
42	Distributed impulsive containment control for second-order multi-agent systems with multiple leaders. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 2458-2470.	1.5	9
43	Impulsive stabilization and synchronization of electro-mechanical gyrostat systems. <i>Nonlinear Dynamics</i> , 2012, 70, 541-549.	2.7	8
44	Distributed adaptive tracking backstepping control in networked nonidentical Lagrange systems. <i>Nonlinear Dynamics</i> , 2014, 78, 1137-1148.	2.7	8
45	Synchronization of Instantaneous Coupled Harmonic Oscillators With Communication and Input Delays. <i>Asian Journal of Control</i> , 2015, 17, 2317-2328.	1.9	8
46	Synchronization of networked multibody systems using fundamental equation of mechanics. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2016, 37, 555-572.	1.9	8
47	Group Regional Consensus of Networked Lagrangian Systems With Input Disturbances. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2017, 139, .	0.9	8
48	Oscillatory Dynamics of p53 Genetic Network Induced by Feedback Loops and Time Delays. <i>IEEE Transactions on Nanobioscience</i> , 2019, 18, 611-621.	2.2	8
49	Pinning impulsive directed coupled delayed dynamical network and its applications. <i>International Journal of Systems Science</i> , 2015, 46, 193-208.	3.7	7
50	Region-based flocking control for networked robotic systems with communication delays. <i>European Journal of Control</i> , 2020, 52, 78-86.	1.6	7
51	Synchronization of networked harmonic oscillators under nonlinear protocols. , 2010, , .		6
52	Distributed $\hat{\Gamma}$ -consensus in directed delayed networks of multi-agent systems. <i>International Journal of Systems Science</i> , 2013, 44, 916-925.	3.7	6
53	Oscillatory expression in <i>Escherichia coli</i> mediated by microRNAs with transcriptional and translational time delays. <i>IET Systems Biology</i> , 2016, 10, 203-209.	0.8	6
54	$H_{\infty}$ robust control based on event-triggered sampling for hybrid systems with singular Markovian jump. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 790-805.	1.2	6

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55	Practical stochastic synchronisation of coupled harmonic oscillators subjected to heterogeneous noises and its applications to electrical systems. IET Control Theory and Applications, 2019, 13, 96-105.	1.2	4
56	ON A FUNCTIONAL LASALLE PRINCIPLE WITH APPLICATION TO CHAOS SYNCHRONIZATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 4253-4261.	0.7	3
57	Group consensus in uncertain networked Euler-Lagrange systems with acyclic interaction topology. , 2015, , .		3
58	Group consensus in uncertain networked Euler-Lagrange systems with stochastic disturbances. Scientia Sinica Informationis, 2016, 46, 1608-1620.	0.2	3
59	Pinning impulsive synchronization in coupled delayed directed dynamical networks. , 2014, , .		2
60	Region reaching control of networked robot systems. , 2017, , .		2
61	Adaptive Region Tracking Control for Robot Manipulator Systems with Uncertain Kinematics and Dynamics. , 2018, , .		2
62	Oscillatory Dynamics of p53-Mdm2 Circuit in Response to DNA Damage Caused by Ionizing Radiation. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 1703-1713.	1.9	2
63	Stochastic distribution synchronization and pinning control for complex heterogeneous dynamical networks. Asian Journal of Control, 2020, 22, 1547-1564.	1.9	2
64	Distributed Consensus Backstepping Control in Networked Flexible Joint Manipulator Systems. Lecture Notes in Electrical Engineering, 2021, , 143-151.	0.3	2
65	Synchronization in networked mass-spring-damper oscillator systems. , 2010, , .		1
66	A novel evolving network model with widely weighted dynamics. , 2010, , .		1
67	Chaos Synchronization of Electro-Mechanical Gyrostat Systems via Time-Delay Feedback Control. , 2011, , .		1
68	Adaptive synchronization of coupled hyperchaotic Chua systems. , 2011, , .		1
69	Impulsive consensus for second-order multi-agent systems with a reference velocity and input delays. , 2014, , .		1
70	Practical tracking synchronization of networked Lagrangian systems via pinning control. , 2014, , .		1
71	Sampled-data group synchronization of coupled harmonic oscillators subject to controller failure. , 2015, , .		1
72	Output Feedback Controls for Singular Markovian Systems. , 2018, , .		1

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73	Contribution of time delays to p53 oscillation in DNA damage response. IET Systems Biology, 2019, 13, 180-185.	0.8	1
74	Fully Distributed Region-Reaching Control with Collision Avoidance for Multi-robot Systems. Robotica, 0, , 1-12.	1.3	1
75	Event-Triggered Stochastic Consensus for Networked Lagrangian Systems. Lecture Notes in Electrical Engineering, 2021, , 152-160.	0.3	1
76	Application of Energy Shaping of Port-Hamiltonian System to Chaos Synchronization. , 2021, , .		1
77	Robust impulsive synchronization of uncertain delayed dynamical networks. , 2008, , .		0
78	Dynamics and synchronization of a typical complex hyperchaotic systems. , 2011, , .		0
79	On pinning synchronization of complex dynamical networks by a single impulsive controller. , 2011, , .		0
80	Synchronization in complex delayed dynamical networks with intermittent coupling. , 2011, , .		0
81	Synchronization in networked coupled multi-valued complex dynamical systems. , 2012, , .		0
82	Synchronization of sampled-data networked harmonic oscillators with controller failure and communication time delays. , 2013, , .		0
83	Pinning complex dynamical networks to a desired synchronization orbit. , 2014, , .		0
84	Group consensus control for multiple robotic manipulators in task space under directed acyclic graph topology. , 2016, , .		0
85	Event-triggered stochastic consensus for networked Lagrangian systems with semi-Markov switching topologies and communication delays. Transactions of the Institute of Measurement and Control, 2021, 43, 2702-2714.	1.1	0
86	Experimental verification of formation control in nonholonomic multi-mobile robots. , 2021, , .		0
87	Projective synchronization in a new 5D hyper-chaotic system. , 2021, , .		0
88	Partial anti-synchronization problem of a new 6D hyper-chaotic system. , 2021, , .		0
89	Following Consensus in Multi-vehicle Systems with Chain and Ring Coupling. Lecture Notes in Electrical Engineering, 2018, , 353-361.	0.3	0
90	Projective Lag Synchronization of Delayed Chaotic Systems via Intermittent Control with Two Sub-periods. , 2021, , .		0