Yu-Ping Tian

List of Publications by Year
in descending order

78 papers	3,401 citations	186209 28 h-index	138417 58 g-index
79 all docs	79 docs citations	79 times ranked	1907 citing authors

#	ARTICLE	IF	CITATIONS
1	Consensus in possibly unbalanced switching networks with relative-state-dependent noises. International Journal of Systems Science, 2022, 53, 313-324.	3.7	2
2	Evolution of distributed detection performance over balanced binary relay tree networks with bit errors. Nonlinear Dynamics, 2022, 107, 3903-3917.	2.7	1
3	Distributed constrained aggregative games of uncertain Euler-Lagrange systems under unbalanced digraphs. Autonomous Intelligent Systems, 2022, 2, .	2.0	2
4	Delay Compensation-Based Time Synchronization Under Random Delays: Algorithm and Experiment. IEEE Transactions on Control Systems Technology, 2021, 29, 80-95.	3.2	19
5	Distributed Formation Control: Asymptotic Stabilization Results Under Local Noisy Information. IEEE Transactions on Cybernetics, 2021, 51, 16-27.	6.2	15
6	Consensus of discrete-time multi-agent systems with multiplicative uncertainties and delays. International Journal of Systems Science, 2021, 52, 2311-2323.	3.7	3
7	Consensus of Multi-Agent Systems with Unbounded Time-Varying Delays. Applied Sciences (Switzerland), 2021, 11, 4944.	1.3	1
8	Consensus analysis of discrete-time multi-agent systems in switching networks: a time-varying Lyapunov function method. , 2021, , .		1
9	Distributed Orientation Estimate of Single-integrator Multi-agent Systems with Measurement Noises in Time-varying Networks. , 2021, , .		0
10	Multi‐targets localization and elliptical circumnavigation by multi‐agents using bearing‐only measurements in two‐dimensional space. International Journal of Robust and Nonlinear Control, 2020, 30, 3250-3268.	2.1	37
11	A fully distributed weight design approach to consensus Kalman filtering for sensor networks. Automatica, 2019, 104, 34-40.	3.0	49
12	Detection Performance in m-ary Relay Trees with Link Failures and Unreliable Communications. , 2019, , .		1
13	Detection Performance of the Majority Dominance Rule in m -Ary Relay Trees With Node and Link Failures. IEEE Transactions on Signal Processing, 2018, 66, 1469-1482.	3.2	3
14	Distributed Kalman Filtering With Finite-Time Max-Consensus Protocol. IEEE Access, 2018, 6, 10795-10802.	2.6	16
15	Multi-target localisation and circumnavigation by a multi-agent system with bearing measurements in 2D space. International Journal of Systems Science, 2018, 49, 15-26.	3.7	37
16	Offset Compensation for Time Synchronization in WSNs with Random Communication Delays. , 2018, , .		2
17	Consensus of Discrete-time Multi-agent Systems with Decaying Multiplicative Uncertainties*. , 2018, , .		0
18	Circuit Design and Physical Experiment of Time Synchronization for WSNs. , 2018, , .		1

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19	Distributed Network Localization: Accurate Estimation With Noisy Measurement and Communication Information. IEEE Transactions on Signal Processing, 2018, 66, 5927-5940.	3.2	22
20	Asynchronous distributed localization in networks with communication delays and packet losses. Automatica, 2018, 96, 134-140.	3.0	17
21	Time Synchronization in WSNs With Random Bounded Communication Delays. IEEE Transactions on Automatic Control, 2017, 62, 5445-5450.	3.6	33
22	Stability analysis for a class of switched systems under perturbations with applications to consensus. IET Control Theory and Applications, 2017, 11, 1341-1350.	1.2	6
23	Consensus of second–order discrete–time multi–agent systems with relative–state–dependent noises. International Journal of Robust and Nonlinear Control, 2017, 27, 4591-4606.	2.1	7
24	Scheduling algorithm of observation and controlling for multi-agent systems to guarantee structural controllability. , 2017, , .		3
25	Localization in sensor networks with communication delays and package losses. , 2017, , .		2
26	Leader selection for strong structural controllability of single-integrator multi-agent systems. Journal of Systems Science and Complexity, 2017, 30, 1227-1241.	1.6	5
27	Time Synchronization in WSNs with Random Communication Delays: A Constant Gain Design 1 1This work is supported by the National Natural Science Foundation of China (under grants 61573105,) Tj ETQq1 1 0.784314 rgBT /Overloc		
28	Cooperative adaptive flow estimation for spherical formation tracking control with directed communication. , 2017, , .		1
29	Distributed localization in sensor networks with communication and measurement noises. , 2017, , .		1
30	Convergence of linear coupled Riccati equations with applications to distributed filtering in sensor networks. , 2016, , .		0
31	Structural modeling and convergence analysis of consensus-based time synchronization algorithms over networks: Non-topological conditions. Automatica, 2016, 65, 64-75.	3.0	34
32	LSTS: A new time synchronization protocol for networks with random communication delays. , 2015, , .		21
33	Output consensus for multiple non-holonomic systems under directed communication topology. International Journal of Systems Science, 2015, 46, 451-463.	3.7	17
34	Cooperative source localisation of multi–agent system based on a cooperative PE condition. IET Control Theory and Applications, 2015, 9, 42-51.	1.2	5
35	Coordinated path following control of multi-unicycle formation motion around closed curves in a time-invariant flow. Nonlinear Dynamics, 2015, 81, 1005-1016.	2.7	34
36	Consensus tracking in sensor networks with periodic sensing and switching connected topologies. Systems and Control Letters, 2015, 84, 44-51.	1.3	18

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37	Formation tracking and attitude synchronization control of underactuated ships along closed orbits. International Journal of Robust and Nonlinear Control, 2015, 25, 3023-3044.	2.1	58
38	Average TimeSync with bounded random time-delay is almost divergent. , 2014, , .		7
39	Allowable delay bound for consensus of linear multi-agent systems with communication delay. International Journal of Systems Science, 2014, 45, 2172-2181.	3.7	35
40	Consensus-based distributed estimation in homogeneous sensor networks. , 2014, , .		1
41	Design of a class of nonlinear consensus protocols for multiâ€agent systems. International Journal of Robust and Nonlinear Control, 2013, 23, 1524-1536.	2.1	13
42	Global stabilization of rigid formations in the plane. Automatica, 2013, 49, 1436-1441.	3.0	97
43	Coordinated adaptive control for threeâ€dimensional formation tracking with a timeâ€varying orbital velocity. IET Control Theory and Applications, 2013, 7, 646-662.	1.2	27
44	Maximum Allowable Loss Probability for Consensus of Multi-Agent Systems Over Random Weighted Lossy Networks. IEEE Transactions on Automatic Control, 2012, 57, 2127-2132.	3.6	58
45	Globally asymptotically stable formation control of three agents. Journal of Systems Science and Complexity, 2012, 25, 1068-1079.	1.6	3
46	High-order consensus of heterogeneous multi-agent systems with unknown communication delays. Automatica, 2012, 48, 1205-1212.	3.0	191
47	A curve extension design for coordinated path following control of unicycles along given convex loops. International Journal of Control, 2011, 84, 1729-1745.	1.2	41
48	Allowable sampling period for consensus control of multiple general linear dynamical agents in random networks. International Journal of Control, 2010, 83, 2368-2377.	1.2	30
49	Consensus of Data-Sampled Multi-Agent Systems With Random Communication Delay and Packet Loss. IEEE Transactions on Automatic Control, 2010, 55, 939-943.	3.6	215
50	Neural network approximation for periodically disturbed functions and applications to control design. Neurocomputing, 2009, 72, 3891-3900.	3.5	18
51	On the general consensus protocol of multi-agent systems with double-integrator dynamics. Linear Algebra and Its Applications, 2009, 431, 701-715.	0.4	145
52	Robust consensus of multi-agent systems with diverse input delays and asymmetric interconnection perturbations. Automatica, 2009, 45, 1347-1353.	3.0	251
53	Consentability and protocol design of multi-agent systems with stochastic switching topology. Automatica, 2009, 45, 1195-1201.	3.0	318
54	Formation control of multi-agent systems with heterogeneous communication delays. International Journal of Systems Science, 2009, 40, 627-636.	3.7	117

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55	Stabilizability of uncontrollable systems via generalized delayed feedback control. Physica D: Nonlinear Phenomena, 2008, 237, 2436-2443.	1.3	2
56	Eliminating oscillations in the Internet by time-delayed feedback control. Chaos, Solitons and Fractals, 2008, 35, 878-887.	2.5	16
57	Consensus of Multi-Agent Systems With Diverse Input and Communication Delays. IEEE Transactions on Automatic Control, 2008, 53, 2122-2128.	3.6	509
58	STABILIZATION OF UNSTABLE PERIODIC SOLUTIONS BY NONLINEAR RECURSIVE DELAYED FEEDBACK CONTROL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 2935-2947.	0.7	1
59	A general stability criterion for congestion control with diverse communication delays. Automatica, 2005, 41, 1255-1262.	3.0	25
60	Delayed feedback control of chaos in a switched arrival system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 339, 446-454.	0.9	14
61	Necessary and sufficient conditions for stabilizability of discrete-time systems via delayed feedback control. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 343, 95-107.	0.9	28
62	Hopf bifurcation in REM algorithm with communication delay. Chaos, Solitons and Fractals, 2005, 25, 1093-1105.	2.5	51
63	Set stabilization of Chua's circuit via piece-wise linear feedbacks. Chaos, Solitons and Fractals, 2005, 26, 571-579.	2.5	6
64	Stability analysis and design of the second-order congestion control for networks with heterogeneous delays. IEEE/ACM Transactions on Networking, 2005, 13, 1082-1093.	2.6	32
65	TIME-DELAYED IMPULSIVE CONTROL OF CHAOTIC HYBRID SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 1091-1104.	0.7	17
66	Full characterization on limitation of generalized delayed feedback control for discrete-time systems. Physica D: Nonlinear Phenomena, 2004, 198, 248-257.	1.3	18
67	Stability of the Internet congestion control with diverse delays. Automatica, 2004, 40, 1533-1541.	3.0	56
68	Nonlinear recursive delayed feedback control for chaotic discrete-time systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 310, 295-300.	0.9	18
69	Finite time synchronization of chaotic systems. Chaos, Solitons and Fractals, 2003, 15, 303-310.	2.5	102
70	Global stabilization of a coupled dynamo system. Chaos, Solitons and Fractals, 2003, 16, 787-793.	2.5	6
71	Robust learning control for a class of nonlinear systems with periodic and aperiodic uncertainties. Automatica, 2003, 39, 1957-1966.	3.0	59
72	AN OPTIMIZATION APPROACH TO LOCATING AND STABILIZING UNSTABLE PERIODIC ORBITS OF CHAOTIC SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 1163-1172.	0.7	4

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73	TIME DELAYED REPETITIVE LEARNING CONTROL FOR CHAOTIC SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 1057-1065.	0.7	38
74	Exponential stabilization of nonholonomic dynamic systems by smooth time-varying control. Automatica, 2002, 38, 1139-1146.	3.0	242
75	A separation principle for dynamical delayed output feedback control of chaos. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 284, 31-42.	0.9	23
76	Stabilizing unstable periodic orbits of chaotic systems via an optimal principle. Journal of the Franklin Institute, 2000, 337, 771-779.	1.9	42
77	STABILIZING UNSTABLE PERIODIC ORBITS OF CHAOTIC SYSTEMS WITH UNKNOWN PARAMETERS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 611-620.	0.7	7
78	Controlling chaos using invariant manifolds. International Journal of Control, 1999, 72, 258-266.	1.2	38