Tengfei Liu

List of Publications by Year
in descending order

47 papers	1,922 citations	361413 20 h-index	315739 38 g-index
48 all docs	48 docs citations	48 times ranked	1188 citing authors

#	Article	IF	Citations
1	Distributed Optimization of Nonlinear Multiagent Systems: A Small-Gain Approach. IEEE Transactions on Automatic Control, 2022, 67, 676-691.	5.7	28
2	Systematic design of supervisory controllers for a class of uncertain nonlinearly parameterized systems. Automatica, 2022, 135, 109991.	5.0	1
3	A new look at distributed optimal output agreement of multi-agent systems. Automatica, 2022, 136, 110053.	5.0	4
4	Robust state agreement of nonlinear multiâ€agent systems with measurement and actuator disturbances. International Journal of Robust and Nonlinear Control, 2022, 32, 1143-1161.	3.7	2
5	Nonlinear integral control with event-triggered feedback: Unknown decay rates, zeno-freeness, and asymptotic convergence. Automatica, 2022, 137, 110028.	5.0	2
6	Safety Control of a Class of Fully Actuated Systems Subject to Uncertain Actuation Dynamics. Journal of Systems Science and Complexity, 2022, 35, 543-558.	2.8	3
7	Cooperative Formation Control Under Switching Topology: An Experimental Case Study in Multirotors. IEEE Transactions on Cybernetics, 2021, 51, 6141-6153.	9.5	11
8	Event-Triggered Stabilization of a Class of Nonlinear Time-Delay Systems. IEEE Transactions on Automatic Control, 2021, 66, 421-428.	5.7	29
9	Systematic Design of Robust Event-Triggered State and Output Feedback Controllers for Uncertain Nonholonomic Systems. IEEE Transactions on Automatic Control, 2021, 66, 213-228.	5.7	22
10	New Results in Stabilization of Uncertain Nonholonomic Systems: A Self-Triggered Control Approach. , 2021, , .		1
11	New Results in Stabilization of Uncertain Nonholonomic Systems: An Event-Triggered Control Approach. Journal of Systems Science and Complexity, 2021, 34, 1953-1972.	2.8	3
12	Policy Iteration and Event-Triggered Robust Adaptive Dynamic Programming for Large-Scale Systems. IFAC-PapersOnLine, 2021, 54, 376-381.	0.9	2
13	Decentralized eventâ€triggered control of largeâ€scale nonlinear systems. International Journal of Robust and Nonlinear Control, 2020, 30, 1451-1466.	3.7	19
14	Measurement feedback control of nonlinear systems: a small-gain approach. Journal of Control and Decision, 2020, 7, 64-89.	1.6	1
15	Distributed containment control of multi-agent systems with velocity and acceleration saturations. Automatica, 2020, 117, 108992.	5.0	34
16	Robust eventâ€based control of nonlinear timeâ€delay systems with partial state feedback. Advanced Control for Applications, 2020, 2, e35.	1.7	0
17	Distributed control of multi-agent systems with pulse-width-modulated controllers. Automatica, 2020, 119, 109020.	5.0	17
18	Robust Event-Triggered Control of Nonlinear Systems. Research on Intelligent Manufacturing, 2020, , .	0.3	17

#	Article	IF	Citations
19	Extremum Seeking for Nonlinear Uncertain Systems: A Small-Gain Synthesis. IFAC-PapersOnLine, 2020, 53, 5411-5416.	0.9	0
20	Robust Output Agreement of Multi-Agent Systems with Flexible Topologies. IFAC-PapersOnLine, 2020, 53, 5647-5652.	0.9	0
21	An IOS Small-Gain Theorem for Large-Scale Hybrid Systems. IEEE Transactions on Automatic Control, 2019, 64, 1295-1300.	5.7	8
22	Event-triggered input-to-state stabilization of nonlinear systems subject to disturbances and dynamic uncertainties. Automatica, 2019, 108, 108488.	5.0	31
23	Distributed Optimization of Nonlinear Multi-Agent Systems: A Small-Gain Approach. , 2019, , .		3
24	Coordinated formation control of wheeled mobile robots with switching communication topologies. IET Control Theory and Applications, 2019, 13, 3164-3173.	2.1	7
25	A Nonlinear Small-Gain Theorem for Large-Scale Infinite-Dimensional Systems. Journal of Systems Science and Complexity, 2018, 31, 188-199.	2.8	11
26	Small-gain theory for stability and control of dynamical networks: A Survey. Annual Reviews in Control, 2018, 46, 58-79.	7.9	51
27	Preface â€" Special Issue on New Directions in Nonlinear and Distributed Control. Journal of Systems Science and Complexity, 2018, 31, 1-3.	2.8	12
28	Input-to-state stabilization of nonlinear discrete-time systems with event-triggered controllers. Systems and Control Letters, 2017, 103, 16-22.	2.3	33
29	Robust Event-Triggered Control Subject to External Disturbance * *This work was supported in part by NSF grant ECCS-1501044, in part by NSFC grants 61374042, 61522305, 61633007 and 61533007, in part by the Fundamental Research Funds for the Central Universities under Grants N130108001 and N140805001 in China, and in part by State Key Laboratory of Intelligent Control and Decision of Complex Systems at BIT.. IFAC-PapersOnLine, 2017, 50, 7999-7004.	0.9	3
30	A junction-by-junction feedback-based strategy with convergence analysis for dynamic traffic assignment. Science China Information Sciences, 2016, 59, 1-17.	4.3	3
31	Further results on quantized stabilization of nonlinear cascaded systems with dynamic uncertainties. Science China Information Sciences, 2016, 59, 1.	4.3	7
32	Event-based control of nonlinear systems with partial state and output feedback. Automatica, 2015, 53, 10-22.	5.0	190
33	A Small-Gain Approach to Robust Event-Triggered Control of Nonlinear Systems. IEEE Transactions on Automatic Control, 2015, 60, 2072-2085.	5.7	312
34	A survey of recent results in quantized and event-based nonlinear control. International Journal of Automation and Computing, 2015, 12, 455-466.	4.5	28
35	Distributed nonlinear control of mobile autonomous multi-agents. Automatica, 2014, 50, 1075-1086.	5.0	73
36	Distributed formation control of nonholonomic mobile robots without global position measurements. Automatica, 2013, 49, 592-600.	5.0	330

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37	Distributed Output-Feedback Control of Nonlinear Multi-Agent Systems. IEEE Transactions on Automatic Control, 2013, 58, 2912-2917.	5.7	128
38	Robust stability of a dynamic traffic assignment model with uncertainties. , 2013, , .		0
39	A nonlinear small-gain approach to distributed formation control of nonholonomic mobile robots. , 2013, , .		2
40	Decentralized output-feedback control of large-scale nonlinear systems with sensor noise. Automatica, 2012, 48, 2560-2568.	5.0	58
41	A cyclic-small-gain approach to distributed output-feedback control of multi-agent nonlinear systems. , 2012, , .		1
42	Small-Gain Based Output-Feedback Controller Design for a Class of Nonlinear Systems With Actuator Dynamic Quantization. IEEE Transactions on Automatic Control, 2012, 57, 1326-1332.	5.7	73
43	Lyapunov formulation of the ISS cyclic-small-gain theorem for hybrid dynamical networks. Nonlinear Analysis: Hybrid Systems, 2012, 6, 988-1001.	3.5	23
44	Quantized stabilization of strict-feedback nonlinear systems based on ISS cyclic-small-gain theorem. Mathematics of Control, Signals, and Systems, 2012, 24, 75-110.	2.3	27
45	A sector bound approach to feedback control of nonlinear systems with state quantization. Automatica, 2012, 48, 145-152.	5.0	125
46	Lyapunov formulation of the large-scale, ISS cyclic-small-gain theorem: The discrete-time case. Systems and Control Letters, 2012, 61, 266-272.	2.3	24
47	Lyapunov formulation of ISS cyclic-small-gain in continuous-time dynamical networks. Automatica, 2011, 47, 2088-2093.	5.0	132