Zhongkui Li

List of Publications by Year
in descending order

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Version: 2024-02-01

		94433	95266
107	9,304	37	68
papers	citations	h-index	g-index

109	109	109	3177
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Operator-Theoretic Approach to Robust Event-Triggered Control of Network Systems With Frequency-Domain Uncertainties. IEEE Transactions on Automatic Control, 2023, 68, 2034-2047.	5.7	3
2	Distributed Robust Optimization Algorithms Over Uncertain Network Graphs. IEEE Transactions on Cybernetics, 2022, 52, 4451-4458.	9.5	5
3	Designing Zero-Gradient-Sum Protocols for Finite-Time Distributed Optimization Problem. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4569-4577.	9.3	9
4	Is fully distributed adaptive protocol applicable to graphs containing a directed spanning tree?. Science China Information Sciences, 2022, 65, 1.	4.3	8
5	Fully Distributed Event-Based Protocols for Lurâ€™e Systems Over Directed Graphs. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1812-1816.	3.0	6
6	Survivable Networks for Consensus. IEEE Transactions on Control of Network Systems, 2022, 9, 588-600.	3.7	0
7	Fully Distributed Event-Triggered Affine Formation Maneuver Control Over Directed Graphs. IFAC-PapersOnLine, 2022, 55, 178-183.	0.9	3
8	Distributed sliding mode control for leaderâ€follower formation flight of fixedâ€wing unmanned aerial vehicles subject to velocity constraints. International Journal of Robust and Nonlinear Control, 2021, 31, 2110-2125.	3.7	36
9	Distributed Edge-Based Event-Triggered Formation Control. IEEE Transactions on Cybernetics, 2021, 51, 1241-1252.	9.5	64
10	Distributed Adaptive Tracking Control for Lurâ€™e Systems With Event-Triggered Strategy. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3263-3269.	9.3	12
11	Formation Reconfiguration for Fixed-Wing UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 102, 1.	3.4	10
12	Event-triggered resilient network-level control of multi-agent systems under cyber attacks. , 2021, , .		1
13	Distributed adaptive stabilization. Automatica, 2021, 129, 109616.	5.0	9
14	Robust H ₂ Consensus for Multi-Agent Systems With Parametric Uncertainties. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2473-2477.	3.0	11
15	Robust Event-Triggered Consensus of Uncertain Network Systems. , 2021, , .		1
16	Privacy Preserving Discrete-Time Average Consensus by Injecting Edge-based Perturbations. , 2021, , .		1
17	Novel Adaptive Dynamic Event-Triggered Bipartite Consensus Protocols with Intermittent Updating and Interaction. , 2021, , .		2
18	Distributed PI Control for Consensus of Heterogeneous Multiagent Systems Over Directed Graphs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1602-1609.	9.3	61

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19	Distributed Continuous-Time Optimization With Scalable Adaptive Event-Based Mechanisms. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3252-3257.	9.3	32
20	Robust Bipartite Consensus and Tracking Control of High-Order Multiagent Systems With Matching Uncertainties and Antagonistic Interactions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2541-2550.	9.3	62
21	Consensus disturbance rejection control of directed multi-agent networks with extended state observer. Chinese Journal of Aeronautics, 2020, 33, 1486-1493.	5.3	7
22	Distributed Optimal Coordination for Heterogeneous Linear Multiagent Systems With Event-Triggered Mechanisms. IEEE Transactions on Automatic Control, 2020, 65, 1763-1770.	5.7	80
23	Cooperative Output Regulation of Heterogeneous Multi-Agent Systems With Adaptive Edge-Event-Triggered Strategies. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2199-2203.	3.0	26
24	Privacy Preserving Average Consensus by Adding Edge-based Perturbation Signals. , 2020, , .		6
25	A Sensitivity Minimization Approach to the Distributed Average Tracking Problem. , 2020, , .		1
26	Consensus in Networks of Nonlinear Integrators with Applications to Coordinated Path Following Control of Fixed-Wing UAVs. , 2020, , .		4
27	Distributed Adaptive Event-Triggered Consensus with Discrete Control Updating. , 2020, , .		4
28	Finite-time Distributed ConvexOptimization with Zero-Gradient-Sum Algorithms. IFAC-PapersOnLine, 2020, 53, 2495-2500.	0.9	3
29	Resilient Network-level Design of Leader-follower Multi-agent Systems Against DoS Attacks. , 2020, , .		3
30	Fully Distributed Event-Triggered Protocols for Linear Multiagent Networks. IEEE Transactions on Automatic Control, 2019, 64, 1655-1662.	5.7	350
31	Robust Consensus for Multi-Agent Systems Communicating over Stochastic Uncertain Networks. SIAM Journal on Control and Optimization, 2019, 57, 3553-3570.	2.1	28
32	Coordinated flight control of miniature fixed-wing UAV swarms: methods and experiments. Science China Information Sciences, 2019, 62, 1.	4.3	62
33	Coordinated Tracking Control With Asynchronous Edge-Based Event-Triggered Communications. IEEE Transactions on Automatic Control, 2019, 64, 4321-4328.	5.7	102
34	On distributed high-gain adaptive stabilization. , 2019, , .		1
35	Bearingâ€only circumnavigation control of the multiâ€agent system around a moving target. IET Control Theory and Applications, 2019, 13, 2747-2757.	2.1	19
36	Coordinated Tracking of a Leader with Bounded Input Using Adaptive Event-Triggered Protocols*. , 2019, , .		1

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37	Distributed Formation Control via Output Feedback Event-Triggered Coordination. , 2019, , .		2
38	Fully Distributed Event-Based Protocols for Lipschitz Nonlinear Multi-Agent Systems. , 2019, , .		2
39	Event-Triggered Consensus of Homogeneous and Heterogeneous Multiagent Systems With Jointly Connected Switching Topologies. IEEE Transactions on Cybernetics, 2019, 49, 4421-4430.	9.5	98
40	Coherence of Noisy Double-Integrator Networks Without Velocity Measurements. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 993-997.	3.0	4
41	Designing Fully Distributed Adaptive Event-Triggered Controllers for Networked Linear Systems With Matched Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3645-3655.	11.3	104
42	Consensus disturbance rejection with event-triggered communications. Journal of the Franklin Institute, 2019, 356, 956-974.	3.4	36
43	Distributed PI Control of Active-Passive Networked Linear Multi-agent Systems. , 2019, , .		0
44	Fully Distributed Adaptive PI Controllers for Heterogeneous Linear Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1209-1213.	3.0	29
45	Cooperative Guidance Law Design for Simultaneous Attack with Multiple Missiles Against a Maneuvering Target. Journal of Systems Science and Complexity, 2018, 31, 287-301.	2.8	36
46	Distributed adaptive consensus protocols for linear multiâ€agent systems over directed graphs with relative output information. IET Control Theory and Applications, 2018, 12, 613-620.	2.1	29
47	Distributed Adaptive Convex Optimization on Directed Graphs via Continuous-Time Algorithms. IEEE Transactions on Automatic Control, 2018, 63, 1434-1441.	5.7	134
48	Fully Distributed Consensus Control for Nonlinear Multi-agent Network with Extended State Observer. , 2018, , .		1
49	Event-Triggered Consensus of Multi-Agent Systems with Jointly Connected Switching Topologies. , 2018, , .		0
50	Distributed Adaptive Consensus Disturbance Rejection for Multi-Agent Systems on Directed Graphs. IEEE Transactions on Control of Network Systems, 2018, 5, 629-639.	3.7	85
51	Novel distributed robust adaptive consensus protocols for linear multi-agent systems with directed graphs and external disturbances. International Journal of Control, 2017, 90, 137-147.	1.9	84
52	Observer-based consensus of networked thrust-propelled vehicles with directed graphs. ISA Transactions, 2017, 71, 130-137.	5.7	5
53	Robust consensus of Lur'e networks with uncertain communications. IET Control Theory and Applications, 2017, 11, 877-882.	2.1	5
54	Robust Consensus of Linear Feedback Protocols Over Uncertain Network Graphs. IEEE Transactions on Automatic Control, 2017, 62, 4251-4258.	5.7	123

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55	Event-triggered encirclement control of multi-agent systems with bearing rigidity. Science China Information Sciences, 2017, 60, 1.	4.3	15
56	Distributed containment control of Eulerâ€“Lagrange systems over directed graphs via distributed continuous controllers. IET Control Theory and Applications, 2017, 11, 1786-1795.	2.1	11
57	Simultaneous attack of a stationary target using multiple missiles: a consensus-based approach. Science China Information Sciences, 2017, 60, 1.	4.3	43
58	Distributed average tracking for multiple signals generated by linear dynamical systems: An edge-based framework. Automatica, 2017, 75, 158-166.	5.0	135
59	Distributed adaptive consensus protocol design for heterogeneous multi-agent systems with switching communication topologies. , 2017, , .		4
60	Consensus disturbance rejection over uncertain networks. , 2017, , .		1
61	Consensus of directed networks of thrust-propelled vehicles using distributed observed-based protocols. , 2017, , .		0
62	Consensus of linear multi-agent systems via fully distributed event-triggered protocols. , 2017, , .		1
63	Output consensus of heterogeneous linear multi-agent systems via fully distributed event-triggered protocols. , 2017, , .		1
64	Adaptive consensus disturbance rejection for multi-agent systems on directed graphs. , 2016, , .		0
65	Coordinated tracking of Euler-Lagrange systems over directed graphs via distributed continuous controllers. , 2016, , .		0
66	Distributed adaptive output feedback consensus protocols for linear systems on directed graphs with a leader of bounded input. Automatica, 2016, 74, 308-314.	5.0	142
67	Distributed adaptive consensus protocols for linear multi-agent systems: An integrated design approach. , 2016, , .		2
68	Robust consensus of multi-agent systems with stochastic uncertain channels. , 2016, , .		13
69	Distributed adaptive consensus control of nonlinear output-feedback systems on directed graphs. Automatica, 2016, 72, 46-52.	5.0	113
70	Robust consensus of discrete-time linear agents over deterministic uncertain channels. , 2016, , .		0
71	Distributed adaptive consensus protocols for multiple Lur'e systems over directed graphs. IET Control Theory and Applications, 2016, 10, 443-450.	2.1	31
72	Distributed adaptive controllers for cooperative output regulation of heterogeneous agents over directed graphs. Automatica, 2016, 68, 179-183.	5.0	170

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73	On constructing Lyapunov functions for multi-agent systems. Automatica, 2015, 58, 39-42.	5.0	203
74	Distributed adaptive consensus and output tracking of unknown linear systems on directed graphs. Automatica, 2015, 55, 12-18.	5.0	83
75	Adaptive output-feedback consensus protocol design for linear multi-agent systems with directed graphs. , 2015, , .		7
76	Distributed adaptive consensus protocols for linear multi-agent systems with directed graphs and a leader of unknown control input. , 2015, , .		0
77	Containment control of linear multiâ€agent systems with multiple leaders of bounded inputs using distributed continuous controllers. International Journal of Robust and Nonlinear Control, 2015, 25, 2101-2121.	3.7	144
78	Distributed Robust Consensus of a Class of <scp>L</scp>ipschitz Nonlinear Multiâ€agent Systems with Matching Uncertainties. Asian Journal of Control, 2015, 17, 3-13.	3.0	17
79	Designing Fully Distributed Consensus Protocols for Linear Multi-Agent Systems With Directed Graphs. IEEE Transactions on Automatic Control, 2015, 60, 1152-1157.	5.7	809
80	Distributed average tracking for multiple signals with linear dynamics: An edge-based framework. , 2014, , .		3
81	Distributed consensus protocol design for general linear multiâ€agent systems: a consensus region approach. IET Control Theory and Applications, 2014, 8, 2145-2161.	2.1	34
82	Recent Developments in Networked Control and Estimation. IET Control Theory and Applications, 2014, 8, 2123-2125.	2.1	9
83	Robust redesign of distributed adaptive consensus protocols for linear multi-agent systems. , 2014, , .		1
84	Distributed adaptive consensus protocols for linear multi-agent systems with directed graphs in the presence of external disturbances. , 2014, , .		5
85	Distributed robust consensus control of multi-agent systems with heterogeneous matching uncertainties. Automatica, 2014, 50, 883-889.	5.0	246
86	Distributed H _{â^ž} and H ₂ consensus control in directed networks. IET Control Theory and Applications, 2014, 8, 193-201.	2.1	39
87	Distributed robust leaderless consensus of Lipschitz nonlinear multi-agent systems with matching uncertainties. , 2014, , .		5
88	Distributed containment control of multiâ€agent systems with general linear dynamics in the presence of multiple leaders. International Journal of Robust and Nonlinear Control, 2013, 23, 534-547.	3.7	450
89	Consensus condition for linear multi-agent systems over randomly switching topologies. Automatica, 2013, 49, 3125-3132.	5.0	238
90	Distributed consensus tracking of multi-agent systems with nonlinear dynamics under a reference leader. International Journal of Control, 2013, 86, 1859-1869.	1.9	67

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91	Distributed tracking control of multi-agent systems with heterogeneous uncertainties. , 2013, , .		2
92	Consensus of Multi-Agent Systems With General Linear and Lipschitz Nonlinear Dynamics Using Distributed Adaptive Protocols. IEEE Transactions on Automatic Control, 2013, 58, 1786-1791.	5.7	695
93	Distributed Tracking Control for Linear Multiagent Systems With a Leader of Bounded Unknown Input. IEEE Transactions on Automatic Control, 2013, 58, 518-523.	5.7	452
94	Distributed consensus of linear multi-agent systems with adaptive dynamic protocols. Automatica, 2013, 49, 1986-1995.	5.0	531
95	Adaptive containment control of coupled linear systems with parameter uncertainties. , 2013, , .		6
96	Distributed robust control of linear multi-agent systems with parameter uncertainties. International Journal of Control, 2012, 85, 1039-1050.	1.9	107
97	Global synchronised regions of linearly coupled Lur'e systems. International Journal of Control, 2011, 84, 216-227.	1.9	43
98	On <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>â^ž</mml:mi></mml:mrow></m and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si5.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></m performance regions of multi-agent systems. Automatica, 2011, 47, 797-803.	5.0	191
99	Consensus of linear multi-agent systems with reduced-order observer-based protocols. Systems and Control Letters, 2011, 60, 510-516.	2.3	220
100	Consensus of discrete-time linear multi-agent systems with observer-type protocols. Discrete and Continuous Dynamical Systems - Series B, 2011, 16, 489-505.	0.9	77
101	Consensus of Multiagent Systems and Synchronization of Complex Networks: A Unified Viewpoint. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 213-224.	5.4	1,902
102	Global consensus regions of multi-agent systems with nonlinear dynamics. , 2010, , .		3
103	H â^ž control of networked multi-agent systems. Journal of Systems Science and Complexity, 2009, 22, 35-48.	2.8	55
104	Leader-follower consensus of multi-agent systems. , 2009, , .		47
105	Disturbance rejection and H_{â^ž} pinning control of networked multi-agent systems. , 2008, , .		2
106	Decentralized dynamic output feedback for globally asymptotic stabilization of a class of dynamic networks. International Journal of Control, 2008, 81, 1054-1061.	1.9	4
107	Network sensitivity function, optimization and robust performance in dynamic average consensus. International Journal of Robust and Nonlinear Control, 0, , .	3.7	1