Fei Chen

List of Publications by Year
in descending order

78	1,575	430874	315739
papers	citations	18 h-index	38 g-index

81	81	81	1027
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Delay and Packet-Drop Tolerant Multistage Distributed Average Tracking in Mean Square. IEEE Transactions on Cybernetics, 2022, 52, 9535-9545.	9.5	7
2	When distributed formation control is feasible under hard constraints on energy and time?. Automatica, 2022, 135, 109984.	5.0	1
3	A Scaling-Function Approach for Distributed Constrained Optimization in Unbalanced Multiagent Networks. IEEE Transactions on Automatic Control, 2022, 67, 6112-6118.	5.7	1
4	Average Controllability of Complex Networks With Laplacian Dynamics. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 1704-1714.	5.4	6
5	Distributed Nonlinear Placement for a Class of Multicluster Eulerâ€“Lagrange Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6418-6425.	9.3	4
6	Distributed Time-Varying Economic Dispatch via a Prediction-Correction Method. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 4215-4224.	5.4	4
7	Distributed economic dispatch via a predictive scheme: Heterogeneous delays and privacy preservation. Automatica, 2021, 123, 109356.	5.0	26
8	A Distributed Algorithm for Tracking General Functions of Multiple Signals Not-Necessarily Having Steady States. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2107-2111.	3.0	3
9	Distributed Average Tracking in Weight-Unbalanced Directed Networks. IEEE Transactions on Automatic Control, 2021, 66, 4436-4443.	5.7	18
10	Robust Finite-Time Dynamic Average Consensus With Exponential Convergence Rates. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2578-2582.	3.0	12
11	Multi-Agent Control: A Graph-Theoretic Perspective. Journal of Systems Science and Complexity, 2021, 34, 1973-2002.	2.8	10
12	Distributed economic dispatch for power generation with timeâ€varying loads and external disturbances. IET Control Theory and Applications, 2021, 15, 88-95.	2.1	5
13	Minimum-Energy Distributed Consensus Control of Multiagent Systems: A Network Approximation Approach. IEEE Transactions on Automatic Control, 2020, 65, 1144-1159.	5.7	43
14	Controllability of Directed Networked MIMO Systems With Heterogeneous Dynamics. IEEE Transactions on Control of Network Systems, 2020, 7, 807-817.	3.7	18
15	Sign projected gradient flow: A continuous-time approach to convex optimization with linear equality constraints. Automatica, 2020, 120, 109156.	5.0	23
16	Nonlinear unmanned aerial vehicle formation control via composite Laplacian quadratics. Advanced Control for Applications, 2020, 2, e31.	1.7	0
17	Distributed Average Tracking in Multi-agent Systems. , 2020, , .		11
18	Distributed Average Tracking for General Linear Dynamics. , 2020, , 125-134.		0

#	Article	IF	Citations
19	Distributed Average Tracking for Networked Eulerâ€“Lagrange Systems. , 2020, , 135-156.		0
20	Distributed Average Tracking in Distributed Convex Optimization. , 2020, , 193-231.		0
21	Distributed Average Tracking via an Extended PI Scheme. , 2020, , 61-75.		0
22	Distributed Average Tracking in Formation Control. , 2020, , 179-191.		0
23	Distributed Average Tracking with Input Saturation. , 2020, , 157-175.		0
24	Distributed Optimal Formation Control with Hard Constraints on Energy and Time. , 2020, , .		1
25	On the Control of Multi-Agent Systems: A Survey. Foundations and Trends in Systems and Control, 2019, 6, 339-499.	7.5	91
26	Advances in Network Controllability. IEEE Circuits and Systems Magazine, 2019, 19, 8-32.	2.3	86
27	Discrete-time distributed average tracking for noisy reference signals. , 2019, , .		1
28	A simplified prediction-correction algorithm for time-varying convex optimization. , 2019, , .		0
29	Distributed Average Tracking over Weight-Unbalanced Directed Graphs. , 2019, , .		5
30	Control Energy of Directed Networks. , 2019, , .		0
31	Regional consensus for non-ANCBC systems with input saturation. , 2019, , .		1
32	A Connection Between Dynamic Region-Following Formation Control and Distributed Average Tracking. IEEE Transactions on Cybernetics, 2018, 48, 1760-1772.	9.5	60
33	Convex Optimization via Finite-Time Projected Gradient Flows. , 2018, , .		4
34	Distributed tracking of a non-minimally rigid formation for multi-agent systems. International Journal of Systems Science, 2017, 48, 161-170.	5.5	6
35	Distributed average tracking for double-integrator multi-agent systems with reduced requirement on velocity measurements. Automatica, 2017, 81, 1-7.	5.0	52
36	Distributed average tracking with input saturation. Nonlinear Dynamics, 2017, 90, 2827-2839.	5.2	9

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37	Multi-leader multi-follower coordination with cohesion, dispersion, and containment control via proximity graphs. Science China Information Sciences, 2017, 60, 1.	4.3	22
38	Pinning synchronization and optimization of complex networks with sign inner-coupling configurations. , 2017, , .		1
39	A study on the relationship between consensus of edge dynamics and node dynamics. , 2017, , .		3
40	Distributed Control for Coupled Nonholonomic Mobile Robots under the Eventâ€Triggered and Selfâ€Triggered Frameworks. Asian Journal of Control, 2017, 19, 900-917.	3.0	12
41	Distributed average tracking of linear differential inclusions. , 2017, , .		1
42	A distributed predictive scheme for economic dispatch with heterogeneous time delays in smart grids. , 2017, , .		0
43	Time-varying convex optimization for double-integrator dynamics over a directed network. , 2016, , .		10
44	Distributed consensus via selfâ€triggered output feedback. IET Control Theory and Applications, 2016, 10, 1170-1180.	2.1	4
45	On the optimal parameter of the composite Laplacian quadratics function. Automatica, 2016, 72, 1-10.	5.0	6
46	Nonsmooth leader-following formation control of nonidentical multi-agent systems with directed communication topologies. Automatica, 2016, 64, 112-120.	5.0	64
47	Properties of Composite Laplacian Quadratics and Their Applications in Consensus of Linear Differential Inclusions. IEEE Transactions on Automatic Control, 2016, 61, 2269-2275.	5.7	12
48	Distributed average tracking for double-integrator agents without using velocity measurements. , 2015, , .		11
49	A cooperative inverse optimal problem for multi-agent systems with output feedback. , 2015, , .		1
50	Rigidity based formation tracking for multi-agent networks. Chinese Physics B, 2015, 24, 090206.	1.4	3
51	Distributed output-based self-triggered control for general linear multi-agent systems. , 2015, , .		3
52	An adaptive dynamic protocol for distributed convex optimization. , 2015, , .		2
53	Distributed self-triggered control for coupled general linear systems via static output feedback. , 2015, , .		1
54	Consensus of linear differential inclusions via composite Laplacian quadratics. , 2015, , .		4

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55	Distributed Average Tracking for Reference Signals With Bounded Accelerations. IEEE Transactions on Automatic Control, 2015, 60, 863-869.	5.7	81
56	Pinning synchronization of networked multi-agent systems: spectral analysis. Control Theory and Technology, 2015, 13, 45-54.	1.6	4
57	Distributed Average Tracking of Networked Euler-Lagrange Systems. IEEE Transactions on Automatic Control, 2015, 60, 547-552.	5.7	99
58	Event-triggered control for cluster synchronization of linearly coupled complex networks. , 2014, , .		1
59	Distributed tracking of a rigid formation for multi-agent systems. , 2014, , .		2
60	Synchronized regions of pinned complex networks: spectral analysis. Nonlinear Dynamics, 2014, 78, 1609-1628.	5.2	5
61	Distributed adaptive coordinated tracking for coupled nonholonomic mobile robots. , 2014, , .		2
62	An extended proportional-integral control algorithm for distributed average tracking and its applications in Euler-Lagrange systems. , 2014, , .		8
63	Tracking the average of time-varying nonsmooth signals for double-integrator agents with a fixed topology. , 2013, , .		6
64	Controllability of Weighted and Directed Networks with Nonidentical Node Dynamics. Mathematical Problems in Engineering, 2013, 2013, 1-10.	1.1	14
65	Distributed Average Tracking of Multiple Time-Varying Reference Signals With Bounded Derivatives. IEEE Transactions on Automatic Control, 2012, 57, 3169-3174.	5.7	211
66	Coordinated Tracking in Mean Square for a Multi-Agent System With Noisy Channels and Switching Directed Network Topologies. IEEE Transactions on Circuits and Systems II: Express Briefs, 2012, 59, 835-839.	3.0	22
67	Finite-time consensus of multi-agent networks with inherent nonlinear dynamics under an undirected interaction graph. , 2011, , .		5
68	Distributed computation of the average of multiple time-varying reference signals. , 2011, , .		5
69	Surrounding control in cooperative agent networks. Systems and Control Letters, 2010, 59, 704-712.	2.3	86
70	Multi-agent coordination with cohesion, dispersion, and containment control. , 2010, , .		3
71	STABILITY AND CONTROLLABILITY OF ASYMMETRIC COMPLEX DYNAMICAL NETWORKS: EIGENVALUE ANALYSIS. International Journal of Modern Physics C, 2009, 20, 237-252.	1.7	7
72	Reaching a consensus via pinning control. Automatica, 2009, 45, 1215-1220.	5.0	200

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73	The average path length of scale free networks. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 1405-1410.	3.3	31
74	Comparison between pinning control of different chaotic complex dynamical networks. Journal of Control Theory and Applications, 2008, 6, 2-10.	0.8	5
75	Decentralized formation control of mobile agents: A unified framework. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 4917-4926.	2.6	37
76	Pinning control of complex dynamical networks with heterogeneous delays. Computers and Mathematics With Applications, 2008, 56, 1423-1433.	2.7	44
77	Finding and evaluating the hierarchical structure in complex networks. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 5013-5023.	2.1	10
78	Stabilizing weighted complex networks. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 14369-14382.	2.1	13