

Peng Lin

List of Publications by Year in descending order

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43
papers

3,796
citations

279701

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times ranked

1713
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed robust consensus control in directed networks of agents with time-delay. <i>Systems and Control Letters</i> , 2008, 57, 643-653.	1.3	539
2	Consensus of second-order discrete-time multi-agent systems with nonuniform time-delays and dynamically changing topologies. <i>Automatica</i> , 2009, 45, 2154-2158.	3.0	481
3	Average consensus in networks of multi-agents with both switching topology and coupling time-delay. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 303-313.	1.2	336
4	Consensus of a Class of Second-Order Multi-Agent Systems With Time-Delay and Jointly-Connected Topologies. <i>IEEE Transactions on Automatic Control</i> , 2010, 55, 778-784.	3.6	317
5	Distributed Continuous-Time Optimization: Nonuniform Gradient Gains, Finite-Time Convergence, and Convex Constraint Set. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 2239-2253.	3.6	262
6	Consensus of linear multi-agent systems with reduced-order observer-based protocols. <i>Systems and Control Letters</i> , 2011, 60, 510-516.	1.3	220
7	Distributed multi-agent optimization subject to nonidentical constraints and communication delays. <i>Automatica</i> , 2016, 65, 120-131.	3.0	182
8	Constrained Consensus in Unbalanced Networks With Communication Delays. <i>IEEE Transactions on Automatic Control</i> , 2014, 59, 775-781.	3.6	157
9	Distributed Velocity-Constrained Consensus of Discrete-Time Multi-Agent Systems With Nonconvex Constraints, Switching Topologies, and Delays. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 5788-5794.	3.6	139
10	Multi-agent consensus with diverse time-delays and jointly-connected topologies. <i>Automatica</i> , 2011, 47, 848-856.	3.0	133
11	Distributed rotating formation control of multi-agent systems. <i>Systems and Control Letters</i> , 2010, 59, 587-595.	1.3	124
12	Distributed Consensus of Second-Order Multiagent Systems With Nonconvex Velocity and Control Input Constraints. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 1171-1176.	3.6	101
13	Distributed Optimization With Nonconvex Velocity Constraints, Nonuniform Position Constraints, and Nonuniform Stepsizes. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 2575-2582.	3.6	81
14	Collective rotating motions of second-order multi-agent systems in three-dimensional space. <i>Systems and Control Letters</i> , 2011, 60, 365-372.	1.3	70
15	A new approach to average consensus problems with multiple time-delays and jointly-connected topologies. <i>Journal of the Franklin Institute</i> , 2012, 349, 293-304.	1.9	65
16	Distributed Continuous-Time and Discrete-Time Optimization With Nonuniform Unbounded Convex Constraint Sets and Nonuniform Stepsizes. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 5148-5155.	3.6	56
17	Distributed control of multi-agent systems with second-order agent dynamics and delay-dependent communications. <i>Asian Journal of Control</i> , 2008, 10, 254-259.	1.9	55
18	Distributed consensus of second-order multiagent systems with nonconvex input constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 3657-3664.	2.1	51

#	ARTICLE	IF	CITATIONS
19	Distributed constrained consensus problem. Systems and Control Letters, 2017, 104, 45-48.	1.3	43
20	Containment Control for Discrete-Time Multiagent Systems With Communication Delays and Switching Topologies. IEEE Transactions on Cybernetics, 2019, 49, 3827-3830.	6.2	42
21	Distributed Containment Control of Continuous-Time Multiagent Systems With Nonconvex Control Input Constraints. IEEE Transactions on Industrial Electronics, 2019, 66, 7927-7934.	5.2	42
22	Consensus stability of a class of second-order multi-agent systems with nonuniform time-delays. Journal of the Franklin Institute, 2014, 351, 1571-1576.	1.9	38
23	Distributed consensus control for networks of second-order agents with switching topology and time-delay. , 2007, , .		33
24	Distributed Subgradient-Based Multiagent Optimization With More General Step Sizes. IEEE Transactions on Automatic Control, 2018, 63, 2295-2302.	3.6	29
25	Distributed rotating consensus of second-order multi-agent systems with nonuniform delays. Systems and Control Letters, 2018, 117, 18-22.	1.3	23
26	Multiagent Rendezvous With Shortest Distance to Convex Regions With Empty Intersection: Algorithms and Experiments. IEEE Transactions on Cybernetics, 2019, 49, 1026-1034.	6.2	22
27	Distributed containment control for first-order and second-order multiagent systems with arbitrarily bounded delays. International Journal of Robust and Nonlinear Control, 2019, 29, 1122-1131.	2.1	20
28	Distributed leadless coordination for networks of second-order agents with time-delay on switching topology. , 2008, , .		16
29	Distributed subgradient projection algorithm for multi-agent optimization with nonidentical constraints and switching topologies. , 2012, , .		16
30	Cooperative control for multiple train systems: Self-adjusting zones, collision avoidance and constraints. Automatica, 2022, 144, 110470.	3.0	16
31	Position-constrained containment for second-order discrete-time multi-agent systems. Systems and Control Letters, 2020, 142, 104708.	1.3	15
32	A further result on consensus problems of second-order multi-agent systems with directed graphs, a moving mode and multiple delays. ISA Transactions, 2017, 71, 21-24.	3.1	12
33	Angle-Based Analysis Approach for Distributed Constrained Optimization. IEEE Transactions on Automatic Control, 2021, 66, 5569-5576.	3.6	12
34	Distributed constrained consensus in the presence of unbalanced switching graphs and communication delays. , 2012, , .		10
35	Containment Problem for Multiagent Systems With Nonconvex Velocity Constraints. IEEE Transactions on Cybernetics, 2021, 51, 4716-4721.	6.2	10
36	Containment control with input and velocity constraints. Automatica, 2022, 142, 110417.	3.0	10

#	ARTICLE	IF	CITATIONS
37	Collective composite-rotating consensus of multi-agent systems. Chinese Physics B, 2014, 23, 040503.	0.7	5
38	Consensus problem for continuous-time multiagent systems with nonconvex control input and velocity constraints. International Journal of Robust and Nonlinear Control, 2020, 30, 5418-5429.	2.1	5
39	Distributed Continuous-time Optimization over Second-order Multi-agent Networks with Nonuniform Gains. , 2019, , .		4
40	Average consensus for networks of continuous-time agents with delayed information and jointly-connected topologies. , 2009, , .		3
41	Distributed nested rotating consensus problem of multi-agent systems. , 2014, , .		1
42	Distributed velocity-constrained consensus of second-order multi-agent systems with switching topologies and delays. , 2013, , .		0
43	Distributed containment control for first-order and second-order multiagent systems with arbitrarily bounded delays. International Journal of Robust and Nonlinear Control, 2019, 29, 6657-6657.	2.1	0