Peng Lin

List of Publications by Year
in descending order

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43 papers	3,796 citations	279701 23 h-index	377752 34 g-index
43 all docs	43 docs citations	43 times ranked	1713 citing authors

#	Article	IF	Citations
1	Containment control with input and velocity constraints. Automatica, 2022, 142, 110417.	3.0	10
2	Cooperative control for multiple train systems: Self-adjusting zones, collision avoidance and constraints. Automatica, 2022, 144, 110470.	3.0	16
3	Containment Problem for Multiagent Systems With Nonconvex Velocity Constraints. IEEE Transactions on Cybernetics, 2021, 51, 4716-4721.	6.2	10
4	Angle-Based Analysis Approach for Distributed Constrained Optimization. IEEE Transactions on Automatic Control, 2021, 66, 5569-5576.	3.6	12
5	Position-constrained containment for second-order discrete-time multi-agent systems. Systems and Control Letters, 2020, 142, 104708.	1.3	15
6	Consensus problem for continuousâ€time multiagent systems with nonconvex control input and velocity constraints. International Journal of Robust and Nonlinear Control, 2020, 30, 5418-5429.	2.1	5
7	Distributed containment control for firstâ€order and secondâ€order multiagent systems with arbitrarily bounded delays. International Journal of Robust and Nonlinear Control, 2019, 29, 6657-6657.	2.1	0
8	Distributed Continuous-time Optimization over Second-order Multi-agent Networks with Nonuniform Gains. , 2019, , .		4
9	Distributed Continuous-Time and Discrete-Time Optimization With Nonuniform Unbounded Convex Constraint Sets and Nonuniform Stepsizes. IEEE Transactions on Automatic Control, 2019, 64, 5148-5155.	3.6	56
10	Containment Control for Discrete-Time Multiagent Systems With Communication Delays and Switching Topologies. IEEE Transactions on Cybernetics, 2019, 49, 3827-3830.	6.2	42
11	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
12	Distributed containment control for firstâ€order and secondâ€order multiagent systems with arbitrarily bounded delays. International Journal of Robust and Nonlinear Control, 2019, 29, 1122-1131.	2.1	20
13	Distributed Optimization With Nonconvex Velocity Constraints, Nonuniform Position Constraints, and Nonuniform Stepsizes. IEEE Transactions on Automatic Control, 2019, 64, 2575-2582.	3.6	81
14	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
15	Distributed consensus of secondâ€order multiagent systems with nonconvex input constraints. International Journal of Robust and Nonlinear Control, 2018, 28, 3657-3664.	2.1	51
16	Distributed Subgradient-Based Multiagent Optimization With More General Step Sizes. IEEE Transactions on Automatic Control, 2018, 63, 2295-2302.	3.6	29
17	Distributed Consensus of Second-Order Multiagent Systems With Nonconvex Velocity and Control Input Constraints. IEEE Transactions on Automatic Control, 2018, 63, 1171-1176.	3.6	101
18	Distributed rotating consensus of second-order multi-agent systems with nonuniform delays. Systems and Control Letters, 2018, 117, 18-22.	1.3	23

#	Article	IF	Citations
19	Distributed Velocity-Constrained Consensus of Discrete-Time Multi-Agent Systems With Nonconvex Constraints, Switching Topologies, and Delays. IEEE Transactions on Automatic Control, 2017, 62, 5788-5794.	3.6	139
20	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
21	Distributed Continuous-Time Optimization: Nonuniform Gradient Gains, Finite-Time Convergence, and Convex Constraint Set. IEEE Transactions on Automatic Control, 2017, 62, 2239-2253.	3.6	262
22	Distributed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml3" display="inline" overflow="scroll" altimg="si3.gif"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>âˆž</mml:mi></mml:mrow></mml:msub></mm constrained consensus problem. Systems and Control Letters, 2017, 104, 45-48.	1.3	43
23	Distributed multi-agent optimization subject to nonidentical constraints and communication delays. Automatica, 2016, 65, 120-131.	3.0	182
24	Collective composite-rotating consensus of multi-agent systems. Chinese Physics B, 2014, 23, 040503.	0.7	5
25	Distributed nested rotating consensus problem of multi-agent systems. , 2014, , .		1
26	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
27	Constrained Consensus in Unbalanced Networks With Communication Delays. IEEE Transactions on Automatic Control, 2014, 59, 775-781.	3.6	157
28	Distributed velocity-constrained consensus of second-order multi-agent systems with switching topologies and delays. , 2013, , .		0
29	Distributed subgradient projection algorithm for multi-agent optimization with nonidentical constraints and switching topologies. , 2012, , .		16
30	Distributed constrained consensus in the presence of unbalanced switching graphs and communication delays. , 2012, , .		10
31	A new approach to average consensus problems with multiple time-delays and jointly-connected topologies. Journal of the Franklin Institute, 2012, 349, 293-304.	1.9	65
32	Multi-agent consensus with diverse time-delays and jointly-connected topologies. Automatica, 2011, 47, 848-856.	3.0	133
33	Collective rotating motions of second-order multi-agent systems in three-dimensional space. Systems and Control Letters, 2011, 60, 365-372.	1.3	70
34	Consensus of linear multi-agent systems with reduced-order observer-based protocols. Systems and Control Letters, 2011, 60, 510-516.	1.3	220
35	Distributed rotating formation control of multi-agent systems. Systems and Control Letters, 2010, 59, 587-595.	1.3	124
36	Consensus of a Class of Second-Order Multi-Agent Systems With Time-Delay and Jointly-Connected Topologies. IEEE Transactions on Automatic Control, 2010, 55, 778-784.	3.6	317

#	Article	IF	Citations
37	Average consensus for networks of continuous-time agents with delayed information and jointly-connected topologies. , 2009, , .		3
38	Consensus of second-order discrete-time multi-agent systems with nonuniform time-delays and dynamically changing topologies. Automatica, 2009, 45, 2154-2158.	3.0	481
39	Average consensus in networks of multi-agents with both switching topology and coupling time-delay. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 303-313.	1.2	336
40	Distributed robust consensus control in directed networks of agents with time-delay. Systems and Control Letters, 2008, 57, 643-653.	1.3	539
41	Distributed control of multiâ€agent systems with secondâ€order agent dynamics and delayâ€dependent communications. Asian Journal of Control, 2008, 10, 254-259.	1.9	55
42	Distributed leadless coordination for networks of second-order agents with time-delay on switching topology. , 2008, , .		16
43	Distributed consensus control for networks of second-order agents with switching topology and time-delay. , 2007, , .		33