

# Peng

## List of Publications by Year in descending order

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53  
papers

4,118  
citations

218381

26  
h-index

264894

42  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1756  
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	Robust H $\infty$ consensus analysis of a class of second-order multi-agent systems with uncertainty. <i>IET Control Theory and Applications</i> , 2010, 4, 487-498.	1.2	130
12	Distributed rotating formation control of multi-agent systems. <i>Systems and Control Letters</i> , 2010, 59, 587-595.	1.3	124
13	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
14	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
15	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
16	Further results on decentralised coordination in networks of agents with second-order dynamics. <i>IET Control Theory and Applications</i> , 2009, 3, 957-970.	1.2	65
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	High-order multi-agent consensus with dynamically changing topologies and time-delays. <i>IET Control Theory and Applications</i> , 2011, 5, 976-981.	1.2	53
21	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
22	Distributed constrained consensus problem. <i>Systems and Control Letters</i> , 2017, 104, 45-48.	1.3	43
23	Containment Control for Discrete-Time Multiagent Systems With Communication Delays and Switching Topologies. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 3827-3830.	6.2	42
24	Distributed Containment Control of Continuous-Time Multiagent Systems With Nonconvex Control Input Constraints. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 7927-7934.	5.2	42
25	Consensus stability of a class of second-order multi-agent systems with nonuniform time-delays. <i>Journal of the Franklin Institute</i> , 2014, 351, 1571-1576.	1.9	38
26	Distributed consensus control for networks of second-order agents with switching topology and time-delay. , 2007, , .		33
27	Distributed Subgradient-Based Multiagent Optimization With More General Step Sizes. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 2295-2302.	3.6	29
28	Distributed rotating consensus of second-order multi-agent systems with nonuniform delays. <i>Systems and Control Letters</i> , 2018, 117, 18-22.	1.3	23
29	Distributed optimization with the consideration of adaptivity and finite-time convergence. , 2014, , .		22
30	Multiagent Rendezvous With Shortest Distance to Convex Regions With Empty Intersection: Algorithms and Experiments. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 1026-1034.	6.2	22
31	Distributed containment control for first-order and second-order multiagent systems with arbitrarily bounded delays. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 1122-1131.	2.1	20
32	Distributed Velocity and Input Constrained Tracking Control of High-Speed Train Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 7882-7888.	5.9	17
33	Distributed leadless coordination for networks of second-order agents with time-delay on switching topology. , 2008, , .		16
34	Distributed subgradient projection algorithm for multi-agent optimization with nonidentical constraints and switching topologies. , 2012, , .		16
35	Cooperative control for multiple train systems: Self-adjusting zones, collision avoidance and constraints. <i>Automatica</i> , 2022, 144, 110470.	3.0	16
36	Position-constrained containment for second-order discrete-time multi-agent systems. <i>Systems and Control Letters</i> , 2020, 142, 104708.	1.3	15

#	ARTICLE	IF	CITATIONS
37	Distributed Time-Varying Optimization With State-Dependent Gains: Algorithms and Experiments. IEEE Transactions on Control Systems Technology, 2022, 30, 416-425.	3.2	14
38	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
39	Angle-Based Analysis Approach for Distributed Constrained Optimization. IEEE Transactions on Automatic Control, 2021, 66, 5569-5576.	3.6	12
40	Distributed constrained consensus in the presence of unbalanced switching graphs and communication delays. , 2012, , .		10
41	Containment Problem for Multiagent Systems With Nonconvex Velocity Constraints. IEEE Transactions on Cybernetics, 2021, 51, 4716-4721.	6.2	10
42	Containment control with input and velocity constraints. Automatica, 2022, 142, 110417.	3.0	10
43	Distributed shortest distance consensus problem in multi-agent systems. , 2012, , .		7
44	Consensus for Second-Order Discrete-Time Agents With Position Constraints and Delays. IEEE Transactions on Cybernetics, 2022, 52, 9736-9745.	6.2	7
45	Cooperative control for multiple high-speed trains with constraints and acceleration zone under moving block system. International Journal of Robust and Nonlinear Control, 2022, 32, 3662-3673.	2.1	6
46	Collective composite-rotating consensus of multi-agent systems. Chinese Physics B, 2014, 23, 040503.	0.7	5
47	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
48	Distributed Continuous-time Optimization over Second-order Multi-agent Networks with Nonuniform Gains. , 2019, , .		4
49	Average consensus for networks of continuous-time agents with delayed information and jointly-connected topologies. , 2009, , .		3
50	Distributed nested rotating consensus problem of multi-agent systems. , 2014, , .		1
51	Containment Control With Different Constraints. IEEE Transactions on Control of Network Systems, 2023, 10, 579-585.	2.4	1
52	Distributed velocity-constrained consensus of second-order multi-agent systems with switching topologies and delays. , 2013, , .		0
53	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