Wei Ren

List of Publications by Year
in descending order

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293 papers	40,521 citations	5896 81 h-index	3915 177 g-index
297 all docs	297 docs citations	297 times ranked	8484 citing authors

#	Article	IF	Citations
1	Consensus seeking in multiagent systems under dynamically changing interaction topologies. IEEE Transactions on Automatic Control, 2005, 50, 655-661.	5.7	5,418
2	Information consensus in multivehicle cooperative control. IEEE Control Systems, 2007, 27, 71-82.	0.8	2,605
3	An Overview of Recent Progress in the Study of Distributed Multi-Agent Coordination. IEEE Transactions on Industrial Informatics, 2013, 9, 427-438.	11.3	1,814
4	Distributed Consensus in Multi-vehicle Cooperative Control. Communications and Control Engineering, 2008, , .	1.6	1,810
5	Distributed multi-vehicle coordinated controlvia local information exchange. International Journal of Robust and Nonlinear Control, 2007, 17, 1002-1033.	3.7	1,257
6	On Consensus Algorithms for Double-Integrator Dynamics. IEEE Transactions on Automatic Control, 2008, 53, 1503-1509.	5.7	1,205
7	Consensus strategies for cooperative control of vehicle formations. IET Control Theory and Applications, 2007, 1, 505-512.	2.1	821
8	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
9	Distributed finite-time attitude containment control for multiple rigid bodies. Automatica, 2010, 46, 2092-2099.	5.0	808
10	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
11	Multi-vehicle consensus with a time-varying reference state. Systems and Control Letters, 2007, 56, 474-483.	2.3	671
12	Distributed Coordination of Multi-agent Networks. Communications and Control Engineering, 2011, , .	1.6	630
13	Decentralized Scheme for Spacecraft Formation Flying via the Virtual Structure Approach. Journal of Guidance, Control, and Dynamics, 2004, 27, 73-82.	2.8	541
14	Distributed consensus of linear multi-agent systems with adaptive dynamic protocols. Automatica, 2013, 49, 1986-1995.	5.0	531
15	Distributed containment control for Lagrangian networks with parametric uncertainties under a directed graph. Automatica, 2012, 48, 653-659.	5.0	508
16	Distributed containment control with multiple stationary or dynamic leaders in fixed and switching directed networks. Automatica, 2012, 48, 1586-1597.	5.0	494
17	Distributed coordination architecture for multi-robot formation control. Robotics and Autonomous Systems, 2008, 56, 324-333.	5.1	489
18	Second-order consensus in multi-agent dynamical systems with sampled position data. Automatica, 2011, 47, 1496-1503.	5.0	472

#	Article	IF	Citations
19	Distributed Coordinated Tracking With Reduced Interaction via a Variable Structure Approach. IEEE Transactions on Automatic Control, 2012, 57, 33-48.	5.7	457
20	Distributed Containment Control for Multiple Autonomous Vehicles With Double-Integrator Dynamics: Algorithms and Experiments. IEEE Transactions on Control Systems Technology, 2011, 19, 929-938.	5.2	456
21	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
22	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
23	Distributed leaderless consensus algorithms for networked Eulerâ€“Lagrange systems. International Journal of Control, 2009, 82, 2137-2149.	1.9	426
24	Distributed Coordinated Tracking With a Dynamic Leader for Multiple Euler-Lagrange Systems. IEEE Transactions on Automatic Control, 2011, 56, 1415-1421.	5.7	402
25	Leaderless and Leader-Following Consensus With Communication and Input Delays Under a Directed Network Topology. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 75-88.	5.0	384
26	Decentralized event-triggered consensus for linear multi-agent systems under general directed graphs. Automatica, 2016, 69, 242-249.	5.0	383
27	High-Order and Model Reference Consensus Algorithms in Cooperative Control of MultiVehicle Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2007, 129, 678-688.	1.6	358
28	Decentralized finite-time sliding mode estimators and their applications in decentralized finite-time formation tracking. Systems and Control Letters, 2010, 59, 522-529.	2.3	358
29	Distributed control gains design for consensus in multi-agent systems with second-order nonlinear dynamics. Automatica, 2013, 49, 2107-2115.	5.0	353
30	Distributed Cooperative Attitude Synchronization and Tracking for Multiple Rigid Bodies. IEEE Transactions on Control Systems Technology, 2010, 18, 383-392.	5.2	320
31	Distributed Consensus of Second-Order Multi-Agent Systems With Heterogeneous Unknown Inertias and Control Gains Under a Directed Graph. IEEE Transactions on Automatic Control, 2016, 61, 2019-2034.	5.7	315
32	Adaptive Consensus of Multi-Agent Systems With Unknown Identical Control Directions Based on A Novel Nussbaum-Type Function. IEEE Transactions on Automatic Control, 2014, 59, 1887-1892.	5.7	307
33	Distributed Containment Control with Multiple Dynamic Leaders for Double-Integrator Dynamics Using Only Position Measurements. IEEE Transactions on Automatic Control, 2012, 57, 1553-1559.	5.7	267
34	Optimal Linear-Consensus Algorithms: An LQR Perspective. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 819-830.	5.0	265
35	Distributed Continuous-Time Optimization: Nonuniform Gradient Gains, Finite-Time Convergence, and Convex Constraint Set. IEEE Transactions on Automatic Control, 2017, 62, 2239-2253.	5.7	262
36	Distributed Higher Order Consensus Protocols in Multiagent Dynamical Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2011, 58, 1924-1932.	5.4	258

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37	Synchronization of coupled harmonic oscillators with local interaction. Automatica, 2008, 44, 3195-3200.	5.0	249
38	Distributed Coordination of Networked Fractional-Order Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 362-370.	5.0	242
39	Formation Keeping and Attitude Alignment for Multiple Spacecraft Through Local Interactions. Journal of Guidance, Control, and Dynamics, 2007, 30, 633-638.	2.8	236
40	Distributed attitude alignment in spacecraft formation flying. International Journal of Adaptive Control and Signal Processing, 2007, 21, 95-113.	4.1	235
41	Trajectory Tracking for Unmanned Air Vehicles With Velocity and Heading Rate Constraints. IEEE Transactions on Control Systems Technology, 2004, 12, 706-716.	5.2	232
42	Coordination Variables and Consensus Building in Multiple Vehicle Systems. Lecture Notes in Control and Information Sciences, 0, , 171-188.	1.0	231
43	Multiâ€vehicle coordination for doubleâ€integrator dynamics under fixed undirected/directed interaction in a sampledâ€data setting. International Journal of Robust and Nonlinear Control, 2010, 20, 987-1000.	3.7	229
44	Consensus of linear multi-agent systems with reduced-order observer-based protocols. Systems and Control Letters, 2011, 60, 510-516.	2.3	220
45	Distributed consensus of multi-agent systems with general linear node dynamics and intermittent communications. International Journal of Robust and Nonlinear Control, 2014, 24, 2438-2457.	3.7	213
46	Distributed Average Tracking of Multiple Time-Varying Reference Signals With Bounded Derivatives. IEEE Transactions on Automatic Control, 2012, 57, 3169-3174.	5.7	211
47	Distributed Continuous-Time Convex Optimization With Time-Varying Cost Functions. IEEE Transactions on Automatic Control, 2017, 62, 1590-1605.	5.7	197
48	Consensus Tracking Under Directed Interaction Topologies: Algorithms and Experiments. IEEE Transactions on Control Systems Technology, 2010, 18, 230-237.	5.2	195
49	Distributed coordination for second-order multi-agent systems with nonlinear dynamics using only relative position measurements. Automatica, 2013, 49, 1419-1427.	5.0	188
50	Distributed multi-agent optimization subject to nonidentical constraints and communication delays. Automatica, 2016, 65, 120-131.	5.0	182
51	Event-triggered zero-gradient-sum distributed consensus optimization over directed networks. Automatica, 2016, 65, 90-97.	5.0	168
52	Distributed adaptive coordination for multiple Lagrangian systems under a directed graph without using neighborsâ€™ velocity information. Automatica, 2013, 49, 1723-1731.	5.0	166
53	Finite-time consensus for multi-agent networks with unknown inherent nonlinear dynamics. Automatica, 2014, 50, 2648-2656.	5.0	165
54	Distributed discrete-time coordinated tracking with a time-varying reference state and limited communication. Automatica, 2009, 45, 1299-1305.	5.0	164

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55	Reducing time headway for platooning of connected vehicles via V2V communication. Transportation Research Part C: Emerging Technologies, 2019, 102, 87-105.	7.6	163
56	Designing Distributed Specified-Time Consensus Protocols for Linear Multiagent Systems Over Directed Graphs. IEEE Transactions on Automatic Control, 2019, 64, 2945-2952.	5.7	160
57	Constrained Consensus in Unbalanced Networks With Communication Delays. IEEE Transactions on Automatic Control, 2014, 59, 775-781.	5.7	157
58	Leaderâ€“follower consensus of linear multi-agent systems with unknown external disturbances. Systems and Control Letters, 2015, 82, 64-70.	2.3	157
59	Fully distributed flocking with a moving leader for Lagrange networks with parametric uncertainties. Automatica, 2016, 67, 67-76.	5.0	154
60	Distributed formation control for fractional-order systems: Dynamic interaction and absolute/relative damping. Systems and Control Letters, 2010, 59, 233-240.	2.3	149
61	Consensus for multi-agent systems with inherent nonlinear dynamics under directed topologies. Systems and Control Letters, 2013, 62, 152-162.	2.3	148
62	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
63	Robust cooperative tracking for multiple non-identical second-order nonlinear systems. Automatica, 2013, 49, 2363-2372.	5.0	143
64	Platooning of Connected Vehicles With Undirected Topologies: Robustness Analysis and Distributed H-infinity Controller Synthesis. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 1353-1364.	8.0	143
65	Containment control with multiple stationary or dynamic leaders under a directed interaction graph. , 2009, , .		142
66	Sampled-data discrete-time coordination algorithms for double-integrator dynamics under dynamic directed interaction. International Journal of Control, 2010, 83, 506-515.	1.9	141
67	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.	5.7	139
68	Distributed Containment Control for Multiple Unknown Second-Order Nonlinear Systems With Application to Networked Lagrangian Systems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1885-1899.	11.3	135
69	Containment Control of Multiagent Systems With Dynamic Leaders Based on a PI^{n} -Type Approach. IEEE Transactions on Cybernetics, 2016, 46, 3004-3017.	9.5	131
70	Seeking Consensus in Networks of Linear Agents: Communication Noises and Markovian Switching Topologies. IEEE Transactions on Automatic Control, 2015, 60, 1374-1379.	5.7	129
71	Appointed-time consensus: Accurate and practical designs. Automatica, 2018, 89, 425-429.	5.0	123
72	Second-order Consensus Protocols in Multiple Vehicle Systems with Local Interactions. , 2005, , .		119

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73	Delay-Induced Consensus and Quasi-Consensus in Multi-Agent Dynamical Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 2679-2687.	5.4	115
74	On Convergence Rate of Leader-Following Consensus of Linear Multi-Agent Systems With Communication Noises. IEEE Transactions on Automatic Control, 2016, 61, 3586-3592.	5.7	115
75	Collective Motion From Consensus With Cartesian Coordinate Coupling. IEEE Transactions on Automatic Control, 2009, 54, 1330-1335.	5.7	111
76	Leaderâ€“follower swarm tracking for networked Lagrange systems. Systems and Control Letters, 2012, 61, 117-126.	2.3	106
77	Distributed Consensus of Second-Order Multiagent Systems With Nonconvex Velocity and Control Input Constraints. IEEE Transactions on Automatic Control, 2018, 63, 1171-1176.	5.7	101
78	Consensus based formation control strategies for multi-vehicle systems. , 2006, , .		99
79	Distributed Average Tracking of Networked Euler-Lagrange Systems. IEEE Transactions on Automatic Control, 2015, 60, 547-552.	5.7	99
80	Multi-agent kalman consensus with relative uncertainty. , 0, , .		98
81	Cooperative control of linear multi-agent systems via distributed output regulation and transient synchronization. Automatica, 2016, 68, 132-139.	5.0	98
82	On the Control of Multi-Agent Systems: A Survey. Foundations and Trends in Systems and Control, 2019, 6, 339-499.	7.5	91
83	Robustness Analysis of Asynchronous Sampled-Data Multiagent Networks With Time-Varying Delays. IEEE Transactions on Automatic Control, 2018, 63, 2145-2152.	5.7	89
84	Virtual Structure Based Spacecraft Formation Control with Formation Feedback. , 2002, , .		87
85	Surrounding control in cooperative agent networks. Systems and Control Letters, 2010, 59, 704-712.	2.3	86
86	Advances in Network Controllability. IEEE Circuits and Systems Magazine, 2019, 19, 8-32.	2.3	86
87	Finite-Time Consensus for Linear Multiagent Systems via Event-Triggered Strategy Without Continuous Communication. IEEE Transactions on Control of Network Systems, 2020, 7, 19-29.	3.7	86
88	On the Convergence Conditions of Distributed Dynamic State Estimation Using Sensor Networks: A Unified Framework. IEEE Transactions on Control Systems Technology, 2018, 26, 1300-1316.	5.2	83
89	Distributed Average Tracking for Reference Signals With Bounded Accelerations. IEEE Transactions on Automatic Control, 2015, 60, 863-869.	5.7	81
90	Distributed Optimization With Nonconvex Velocity Constraints, Nonuniform Position Constraints, and Nonuniform Stepsizes. IEEE Transactions on Automatic Control, 2019, 64, 2575-2582.	5.7	81

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91	Cooperation of Multiple Connected Vehicles at Unsignalized Intersections: Distributed Observation, Optimization, and Control. IEEE Transactions on Industrial Electronics, 2020, 67, 10744-10754.	7.9	79
92	Experimental Validation of Consensus Algorithms for Multivehicle Cooperative Control. IEEE Transactions on Control Systems Technology, 2008, 16, 745-752.	5.2	78
93	Necessary and Sufficient Conditions for Consensus of Second-Order Multiagent Systems Under Directed Topologies Without Global Gain Dependency. IEEE Transactions on Cybernetics, 2017, 47, 2089-2098.	9.5	78
94	Second-order Consensus Algorithm with Extensions to Switching Topologies and Reference Models. Proceedings of the American Control Conference, 2007, , .	0.0	73
95	Finite-Time Connectivity-Preserving Consensus of Networked Nonlinear Agents With Unknown Lipschitz Terms. IEEE Transactions on Automatic Control, 2016, 61, 1700-1705.	5.7	73
96	Continuous-Time Distributed Subgradient Algorithm for Convex Optimization With General Constraints. IEEE Transactions on Automatic Control, 2019, 64, 1694-1701.	5.7	73
97	Distributed Resource Allocation Over Directed Graphs via Continuous-Time Algorithms. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1097-1106.	9.3	73
98	Band-reconfigurable Multi-UAV-based Cooperative Remote Sensing for Real-time Water Management and Distributed Irrigation Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 11744-11749.	0.4	70
99	Distributed discrete-time coupled harmonic oscillators with application to synchronised motion coordination. IET Control Theory and Applications, 2010, 4, 806-816.	2.1	70
100	Collective rotating motions of second-order multi-agent systems in three-dimensional space. Systems and Control Letters, 2011, 60, 365-372.	2.3	70
101	Distributed Coordination of Multiple Unknown Euler-Lagrange Systems. IEEE Transactions on Control of Network Systems, 2018, 5, 55-66.	3.7	69
102	Continuous-Time Coordination Algorithm for Distributed Convex Optimization Over Weight-Unbalanced Directed Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1202-1206.	3.0	67
103	High-Order Consensus Algorithms in Cooperative Vehicle Systems. , 0, , .		65
104	A Connection Between Dynamic Region-Following Formation Control and Distributed Average Tracking. IEEE Transactions on Cybernetics, 2018, 48, 1760-1772.	9.5	60
105	Autonomous indoor aerial gripping using a quadrotor. , 2011, , .		60
106	Convergence of sampled-data consensus algorithms for double-integrator dynamics. , 2008, , .		58
107	Multi-Agent Consensus Using Both Current and Outdated States with Fixed and Undirected Interaction. Journal of Intelligent and Robotic Systems: Theory and Applications, 2010, 58, 95-106.	3.4	56
108	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.	5.7	56

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109	Consensus of information under dynamically changing interaction topologies. , 2004, , .		55
110	A Unified Framework for Adaptive Leaderless Consensus of Uncertain Multiagent Systems Under Directed Graphs. IEEE Transactions on Automatic Control, 2021, 66, 6179-6186.	5.7	55
111	Consensus algorithms are input-to-state stable. , 0, , .		53
112	Decentralised cooperative attitude tracking using modified Rodriguez parameters based on relative attitude information. International Journal of Control, 2010, 83, 2427-2439.	1.9	53
113	On the design and development of attitude stabilization, vision-based navigation, and aerial gripping for a low-cost quadrotor. Autonomous Robots, 2012, 33, 41-68.	4.8	53
114	Distributed discrete-time coordinated tracking with Markovian switching topologies. Systems and Control Letters, 2012, 61, 766-772.	2.3	53
115	Distributed Energy Resource Coordination Over Time-Varying Directed Communication Networks. IEEE Transactions on Control of Network Systems, 2019, 6, 1124-1134.	3.7	53
116	Fully distributed adaptive sliding-mode controller design for containment control of multiple Lagrangian systems. Systems and Control Letters, 2014, 72, 44-52.	2.3	52
117	Distributed average tracking for double-integrator multi-agent systems with reduced requirement on velocity measurements. Automatica, 2017, 81, 1-7.	5.0	52
118	Distributed Time-Varying Convex Optimization for a Class of Nonlinear Multiagent Systems. IEEE Transactions on Automatic Control, 2020, 65, 801-808.	5.7	52
119	Distributed Adaptive Finite-Time Consensus for Second-Order Multiagent Systems With Mismatched Disturbances Under Directed Networks. IEEE Transactions on Cybernetics, 2021, 51, 1347-1358.	9.5	52
120	Design of Distributed Event-Triggered Average Tracking Algorithms for Homogeneous and Heterogeneous Multiagent Systems. IEEE Transactions on Automatic Control, 2022, 67, 1269-1284.	5.7	50
121	Autonomous Vehicle Technologies for Small Fixed Wing UAVs. , 2003, , .		49
122	Solving a system of linear equations: From centralized to distributed algorithms. Annual Reviews in Control, 2019, 47, 306-322.	7.9	49
123	Distributed Average Tracking of Physical Second-Order Agents With Heterogeneous Unknown Nonlinear Dynamics Without Constraint on Input Signals. IEEE Transactions on Automatic Control, 2019, 64, 1178-1184.	5.7	46
124	H_infty Output Consensus for Markov Jump Multiagent Systems With Uncertainties. IEEE Transactions on Cybernetics, 2020, 50, 2264-2273.	9.5	46
125	Differentially Private Consensus With an Event-Triggered Mechanism. IEEE Transactions on Control of Network Systems, 2019, 6, 60-71.	3.7	45
126	Use of neural fuzzy networks with mixed genetic/gradient algorithm in automated vehicle control. IEEE Transactions on Industrial Electronics, 1999, 46, 1090-1102.	7.9	44

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127	Edge-Based Finite-Time Protocol Analysis With Final Consensus Value and Settling Time Estimations. IEEE Transactions on Cybernetics, 2020, 50, 1450-1459.	9.5	44
128	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>â^ž</mml:mi></mml:mrow></mm constrained consensus problem. Systems and Control Letters, 2017, 104, 45-48.	2.3	43
129	Autonomous indoor aerial gripping using a quadrotor. , 2011, , .		42
130	Containment Control for Discrete-Time Multiagent Systems With Communication Delays and Switching Topologies. IEEE Transactions on Cybernetics, 2019, 49, 3827-3830.	9.5	42
131	Distributed Containment Control of Continuous-Time Multiagent Systems With Nonconvex Control Input Constraints. IEEE Transactions on Industrial Electronics, 2019, 66, 7927-7934.	7.9	42
132	Fully distributed consensus control for a class of disturbed second-order multi-agent systems with directed networks. Automatica, 2021, 132, 109816.	5.0	41
133	A decentralized scheme for spacecraft formation flying via the virtual structure approach. , 0, , .		40
134	Practical output synchronization for asynchronously switched multi-agent systems with adaption to fast-switching perturbations. Automatica, 2020, 116, 108917.	5.0	38
135	Distributed Adaptive Finite-Time Approach for Formation-Containment Control of Networked Nonlinear Systems Under Directed Topology. IEEE Transactions on Neural Networks and Learning Systems, 2017, 29, 1-12.	11.3	37
136	Synchronization of Coupled Dynamical Systems: Tolerance to Weak Connectivity and Arbitrarily Bounded Time-Varying Delays. IEEE Transactions on Automatic Control, 2018, 63, 1791-1797.	5.7	37
137	Consensus of second-order heterogeneous multi-agent systems under a directed graph. , 2014, , .		36
138	Distributed Kalmanâ€“Bucy Filter With Embedded Dynamic Averaging Algorithm. IEEE Systems Journal, 2018, 12, 1722-1730.	4.6	36
139	Distributed attitude consensus among multiple networked spacecraft. , 2006, , .		35
140	Distributed coordination algorithms for multiple fractional-order systems. , 2008, , .		35
141	On Constrained Nonlinear Tracking Control of a Small Fixed-wing UAV. Journal of Intelligent and Robotic Systems: Theory and Applications, 2007, 48, 525-537.	3.4	33
142	Observer-Based Consensus for Multiagent Systems Under Stochastic Sampling Mechanism. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2328-2338.	9.3	33
143	On consensus algorithms for double-integrator dynamics. , 2007, , .		32
144	Distributed Consensus Algorithms and Their Applications in Multi-vehicle Cooperative Control. , 2007, , .		31

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145	Consensus Seeking in Multi-vehicle Systems with a Time-varying Reference State. Proceedings of the American Control Conference, 2007, , .	0.0	31
146	Distributed Coverage Control of Mobile Sensor Networks in Unknown Environment Using Game Theory: Algorithms and Experiments. IEEE Transactions on Mobile Computing, 2018, 17, 1303-1313.	5.8	31
147	Nonlinear Trajectory Tracking for Fixed Wing UAVs via Backstepping and Parameter Adaptation. , 2005, , .		30
148	Distributed Subgradient-Based Multiagent Optimization With More General Step Sizes. IEEE Transactions on Automatic Control, 2018, 63, 2295-2302.	5.7	29
149	Fractional Horsepower Dynamometer - A General Purpose Hardware-In-The-Loop Real-Time Simulation Platform for Nonlinear Control Research and Education. , 2006, , .		28
150	Stability and convergence analysis of multi-agent consensus with information reuse. International Journal of Control, 2010, 83, 1081-1092.	1.9	28
151	A Unified Formation Control Scheme with a Single or Multiple Leaders. Proceedings of the American Control Conference, 2007, , .	0.0	27
152	Dynamic Modularity Approach to Adaptive Control of Robotic Systems With Closed Architecture. IEEE Transactions on Automatic Control, 2020, 65, 2760-2767.	5.7	27
153	Decentralization of Virtual Structures in Formation Control of Multiple Vehicle Systems via Consensus Strategies. European Journal of Control, 2008, 14, 93-103.	2.6	26
154	Passive Separation Approach to Adaptive Visual Tracking for Robotic Systems. IEEE Transactions on Control Systems Technology, 2018, 26, 2232-2241.	5.2	26
155	Distributed economic dispatch via a predictive scheme: Heterogeneous delays and privacy preservation. Automatica, 2021, 123, 109356.	5.0	26
156	Finite-Horizon H_{âˆž} Fault-Tolerant Constrained Consensus for Multiagent Systems With Communication Delays. IEEE Transactions on Cybernetics, 2021, 51, 416-426.	9.5	26
157	Trajectory tracking control for a miniature fixed-wing unmanned air vehicle. International Journal of Systems Science, 2007, 38, 361-368.	5.5	24
158	Distributed coordinated tracking via a variable structure approach - part II: Swarm tracking. , 2010, , .		24
159	Consensus of multiâ€agent systems with fixed inner connections. International Journal of Robust and Nonlinear Control, 2018, 28, 154-173.	3.7	24
160	Collective motion from consensus with Cartesian coordinate coupling - Part I: Single-integrator kinematics. , 2008, , .		23
161	Decentralized consensus for linear multi-agent systems under general directed graphs based on event-triggered/self-triggered strategy. , 2014, , .		23
162	Distributed rotating consensus of second-order multi-agent systems with nonuniform delays. Systems and Control Letters, 2018, 117, 18-22.	2.3	23

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163	Unscented-Transformation-Based Distributed Nonlinear State Estimation: Algorithm, Analysis, and Experiments. IEEE Transactions on Control Systems Technology, 2019, 27, 2016-2029.	5.2	23
164	Sign projected gradient flow: A continuous-time approach to convex optimization with linear equality constraints. Automatica, 2020, 120, 109156.	5.0	23
165	Finite-time consensus for second-order multi-agent networks with inherent nonlinear dynamics under an undirected fixed graph. , 2011, , .		22
166	Distributed optimization with the consideration of adaptivity and finite-time convergence. , 2014, , .		22
167	Multi-leader multi-follower coordination with cohesion, dispersion, and containment control via proximity graphs. Science China Information Sciences, 2017, 60, 1.	4.3	22
168	Multiagent Rendezvous With Shortest Distance to Convex Regions With Empty Intersection: Algorithms and Experiments. IEEE Transactions on Cybernetics, 2019, 49, 1026-1034.	9.5	22
169	Distributed Average Tracking in Multi-Agent Coordination: Extensions and Experiments. IEEE Systems Journal, 2018, 12, 2428-2436.	4.6	21
170	Distributed Algorithm to Solve a System of Linear Equations With Unique or Multiple Solutions From Arbitrary Initializations. IEEE Transactions on Control of Network Systems, 2019, 6, 82-93.	3.7	21
171	Fully Distributed Joint Localization and Target Tracking With Mobile Robot Networks. IEEE Transactions on Control Systems Technology, 2021, 29, 1519-1532.	5.2	21
172	Blind carrier phase tracking with guaranteed global convergence. IEEE Transactions on Signal Processing, 1997, 45, 1889-1894.	5.3	20
173	A Study of Grouping Effect On Mobile Actuator Sensor Networks for Distributed Feedback Control of Diffusion Process Using Central Voronoi Tessellations. , 2006, , .		20
174	Experiments in Consensus-based Distributed Cooperative Control of Multiple Mobile Robots. , 2007, , .		20
175	On the consistency and confidence of distributed dynamic state estimation in wireless sensor networks. , 2015, , .		20
176	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.	3.7	20
177	Cooperative Startup Control for Heterogeneous Vehicle Platoons: A Finite-Time Output Tracking-Based Approach. IEEE Transactions on Control of Network Systems, 2021, 8, 1767-1777.	3.7	20
178	Multi-Agent Consensus Using Both Current and Outdated States. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 2874-2879.	0.4	19
179	Fully Distributed Dynamic State Estimation With Uncertain Process Models. IEEE Transactions on Control of Network Systems, 2018, 5, 1841-1851.	3.7	19
180	Consensus of linear multi-agent systems with fully distributed control gains under a general directed graph. , 2014, , .		18

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181	Distributed Average Tracking in Weight-Unbalanced Directed Networks. IEEE Transactions on Automatic Control, 2021, 66, 4436-4443.	5.7	18
182	Sampled-data formation control under dynamic directed interaction. , 2009, , .		17
183	Distributed containment control for double-integrator dynamics: Algorithms and experiments. , 2010, , .		17
184	Cooperative Adaptive Containment Control With Parameter Convergence via Cooperative Finite-Time Excitation. IEEE Transactions on Automatic Control, 2021, 66, 5612-5618.	5.7	17
185	Continuous-time distributed Nash equilibrium seeking algorithms for non-cooperative constrained games. Automatica, 2021, 127, 109535.	5.0	17
186	Experimental validation of an autonomous control system on a mobile robot platform. IET Control Theory and Applications, 2007, 1, 1621-1629.	2.1	16
187	Distributed attitude synchronization for multiple rigid bodies with euler-lagrange equations of motion. , 2007, , .		16
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