

Ming Cao

List of Publications by Year in descending order

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292
papers

9,849
citations

81743

39
h-index

46693

89
g-index

296
all docs

296
docs citations

296
times ranked

4315
citing authors

#	ARTICLE	IF	CITATIONS
1	Some necessary and sufficient conditions for second-order consensus in multi-agent dynamical systems. <i>Automatica</i> , 2010, 46, 1089-1095.	3.0	1,236
2	Second-Order Consensus for Multiagent Systems With Directed Topologies and Nonlinear Dynamics. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010, 40, 881-891.	5.5	891
3	Reaching a Consensus in a Dynamically Changing Environment: A Graphical Approach. <i>SIAM Journal on Control and Optimization</i> , 2008, 47, 575-600.	1.1	446
4	Consensus in Directed Networks of Agents With Nonlinear Dynamics. <i>IEEE Transactions on Automatic Control</i> , 2011, 56, 1436-1441.	3.6	340
5	Opinion Dynamics in Social Networks With Hostile Camps: Consensus vs. Polarization. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 1524-1536.	3.6	280
6	Reaching a Consensus in a Dynamically Changing Environment: Convergence Rates, Measurement Delays, and Asynchronous Events. <i>SIAM Journal on Control and Optimization</i> , 2008, 47, 601-623.	1.1	257
7	Distributed leader-follower flocking control for multi-agent dynamical systems with time-varying velocities. <i>Systems and Control Letters</i> , 2010, 59, 543-552.	1.3	242
8	Clustering in diffusively coupled networks. <i>Automatica</i> , 2011, 47, 2395-2405.	3.0	208
9	Structural Balance and Opinion Separation in Trust-Mistrust Social Networks. <i>IEEE Transactions on Control of Network Systems</i> , 2016, 3, 46-56.	2.4	203
10	Formation control using range-only measurements. <i>Automatica</i> , 2011, 47, 776-781.	3.0	199
11	Agreeing Asynchronously. <i>IEEE Transactions on Automatic Control</i> , 2008, 53, 1826-1838.	3.6	184
12	Behaviors of networks with antagonistic interactions and switching topologies. <i>Automatica</i> , 2016, 73, 110-116.	3.0	151
13	Interacting with Networks: How Does Structure Relate to Controllability in Single-Leader, Consensus Networks?. <i>IEEE Control Systems</i> , 2012, 32, 66-73.	1.0	140
14	Forming Circle Formations of Anonymous Mobile Agents With Order Preservation. <i>IEEE Transactions on Automatic Control</i> , 2013, 58, 3248-3254.	3.6	127
15	Localization in sparse networks using sweeps. , 2006, , .		123
16	Maintaining a directed, triangular formation of mobile autonomous agents. <i>Communications in Information and Systems</i> , 2011, 11, 1-16.	0.3	116
17	Delay-Induced Consensus and Quasi-Consensus in Multi-Agent Dynamical Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2013, 60, 2679-2687.	3.5	115
18	Exponential stability for formation control systems with generalized controllers: A unified approach. <i>Systems and Control Letters</i> , 2016, 93, 50-57.	1.3	108

#	ARTICLE	IF	CITATIONS
19	Sensor network localization with imprecise distances. <i>Systems and Control Letters</i> , 2006, 55, 887-893.	1.3	104
20	Upper and Lower Bounds for Controllable Subspaces of Networks of Diffusively Coupled Agents. <i>IEEE Transactions on Automatic Control</i> , 2014, 59, 745-750.	3.6	101
21	Distributed Rotational and Translational Maneuvering of Rigid Formations and Their Applications. <i>IEEE Transactions on Robotics</i> , 2016, 32, 684-697.	7.3	100
22	Asynchronous decentralized event-triggered control. <i>Automatica</i> , 2014, 50, 3197-3203.	3.0	90
23	Power Grid Complexity. , 2011, , .		85
24	Generalized synchronization in complex dynamical networks via adaptive couplings. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 1759-1770.	1.2	81
25	Controlling anonymous mobile agents with unidirectional locomotion to form formations on a circle. <i>Automatica</i> , 2014, 50, 1100-1108.	3.0	78
26	Controlling Rigid Formations of Mobile Agents Under Inconsistent Measurements. <i>IEEE Transactions on Robotics</i> , 2015, 31, 31-39.	7.3	76
27	A Guiding Vector-Field Algorithm for Path-Following Control of Nonholonomic Mobile Robots. <i>IEEE Transactions on Control Systems Technology</i> , 2018, 26, 1372-1385.	3.2	72
28	Control of acyclic formations of mobile autonomous agents. , 2008, , .		71
29	Finite-time boundedness and stabilisation of switched linear systems using event-triggered controllers. <i>IET Control Theory and Applications</i> , 2017, 11, 3240-3248.	1.2	69
30	A Lower Bound on Convergence of a Distributed Network Consensus Algorithm. , 0, , .		66
31	Evolutionary Dynamics of Homophily and Heterophily. <i>Scientific Reports</i> , 2016, 6, 22766.	1.6	66
32	Controlling a triangular formation of mobile autonomous agents. , 2007, , .		65
33	Networks of conforming or nonconforming individuals tend to reach satisfactory decisions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12985-12990.	3.3	63
34	An influence network model to study discrepancies in expressed and private opinions. <i>Automatica</i> , 2019, 107, 371-381.	3.0	63
35	Reaching an Agreement Using Delayed Information. , 2006, , .		58
36	Distributed event-triggered control for asymptotic synchronization of dynamical networks. <i>Automatica</i> , 2017, 86, 199-204.	3.0	56

#	ARTICLE	IF	CITATIONS
37	An integrated multi-population genetic algorithm for multi-vehicle task assignment in a drift field. Information Sciences, 2018, 453, 227-238.	4.0	56
38	Controllability of diffusively-coupled multi-agent systems with general and distance regular coupling topologies. , 2011, , .		52
39	Pursuing an evader through cooperative relaying in multi-agent surveillance networks. Automatica, 2017, 83, 155-161.	3.0	52
40	A Class of Uncontrollable Diffusively Coupled Multiagent Systems with Multichain Topologies. IEEE Transactions on Automatic Control, 2013, 58, 465-469.	3.6	51
41	Adaptive control schemes for mobile robot formations with triangularised structures. IET Control Theory and Applications, 2010, 4, 1817-1827.	1.2	50
42	Distributed Global Output-Feedback Control for a Class of Euler-Lagrange Systems. IEEE Transactions on Automatic Control, 2017, 62, 4855-4861.	3.6	50
43	Analysis, Prediction, and Control of Epidemics: A Survey from Scalar to Dynamic Network Models. IEEE Circuits and Systems Magazine, 2021, 21, 4-23.	2.6	46
44	A survey on the analysis and control of evolutionary matrix games. Annual Reviews in Control, 2018, 45, 87-106.	4.4	45
45	Distributed formation tracking using local coordinate systems. Systems and Control Letters, 2018, 111, 70-78.	1.3	42
46	Quantization effects on synchronized motion of teams of mobile agents with second-order dynamics. Systems and Control Letters, 2012, 61, 1157-1167.	1.3	41
47	Towards Optimal Control of Evolutionary Games on Networks. IEEE Transactions on Automatic Control, 2017, 62, 458-462.	3.6	40
48	Adaptive Fuzzy Behavioral Control of Second-Order Autonomous Agents With Prioritized Missions: Theory and Experiments. IEEE Transactions on Industrial Electronics, 2019, 66, 9612-9622.	5.2	40
49	Dwell-time switching. Systems and Control Letters, 2010, 59, 57-65.	1.3	39
50	Efficient Routing for Precedence-Constrained Package Delivery for Heterogeneous Vehicles. IEEE Transactions on Automation Science and Engineering, 2020, 17, 248-260.	3.4	39
51	Decentralized event-triggered control with asynchronous updates. , 2011, , .		38
52	Sequential Localization of Sensor Networks. SIAM Journal on Control and Optimization, 2009, 48, 321-350.	1.1	36
53	Analysis and applications of spectral properties of grounded Laplacian matrices for directed networks. Automatica, 2017, 80, 10-16.	3.0	36
54	Angle Rigidity and Its Usage to Stabilize Multiagent Formations in 2-D. IEEE Transactions on Automatic Control, 2021, 66, 3667-3681.	3.6	36

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55	Stress-matrix-based formation scaling control. <i>Automatica</i> , 2019, 101, 120-127.	3.0	35
56	Swarming behaviors in multi-agent systems with nonlinear dynamics. <i>Chaos</i> , 2013, 23, 043118.	1.0	34
57	Robust decentralized output regulation with single or multiple reference signals for uncertain heterogeneous systems. <i>International Journal of Robust and Nonlinear Control</i> , 2015, 25, 1399-1422.	2.1	34
58	Target-point formation control. <i>Automatica</i> , 2015, 61, 113-118.	3.0	33
59	Taming Mismatches in Inter-agent Distances for the Formation-Motion Control of Second-Order Agents. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 449-462.	3.6	33
60	Neural Network-Based Adaptive Control for Spacecraft Under Actuator Failures and Input Saturations. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 3696-3710.	7.2	33
61	Clustering-Based Algorithms for Multivehicle Task Assignment in a Time-Invariant Drift Field. <i>IEEE Robotics and Automation Letters</i> , 2017, 2, 2166-2173.	3.3	32
62	Singularity-Free Guiding Vector Field for Robot Navigation. <i>IEEE Transactions on Robotics</i> , 2021, 37, 1206-1221.	7.3	32
63	Distributed multi-vehicle task assignment in a time-invariant drift field with obstacles. <i>IET Control Theory and Applications</i> , 2019, 13, 2886-2893.	1.2	32
64	Towards Human-Robot Teams: Model-Based Analysis of Human Decision Making in Two-Alternative Choice Tasks With Social Feedback. <i>Proceedings of the IEEE</i> , 2012, 100, 751-775.	16.4	31
65	Coupling Strength Allocation for Synchronization in Complex Networks Using Spectral Graph Theory. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014, 61, 1520-1530.	3.5	31
66	Opinion Behavior Analysis in Social Networks Under the Influence of Coopetitive Media. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 961-974.	4.1	31
67	Synchronization in Directed Complex Networks Using Graph Comparison Tools. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2015, 62, 1185-1194.	3.5	30
68	Synchronization of Pulse-Coupled Oscillators and Clocks Under Minimal Connectivity Assumptions. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 5873-5879.	3.6	30
69	Integrating human and robot decision-making dynamics with feedback: Models and convergence analysis. , 2008, , .		28
70	A distributed reconfigurable control law for escorting and patrolling missions using teams of unicycles. , 2010, , .		28
71	A two-layer model for coevolving opinion dynamics and collective decision-making in complex social systems. <i>Chaos</i> , 2020, 30, 083107.	1.0	28
72	Analysis and shifting of stochastically stable equilibria for evolutionary snowdrift games. <i>Systems and Control Letters</i> , 2015, 85, 16-22.	1.3	27

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73	Generalized Controller for Directed Triangle Formations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 6590-6595.	0.4	26
74	Analysis of accelerated gossip algorithms. Automatica, 2013, 49, 873-883.	3.0	26
75	Guidance algorithm for smooth trajectory tracking of a fixed wing UAV flying in wind flows. , 2017, , .		26
76	Opinion evolution in time-varying social influence networks with prejudiced agents. IFAC-PapersOnLine, 2017, 50, 11896-11901.	0.5	26
77	How insurance affects altruistic provision in threshold public goods games. Scientific Reports, 2015, 5, 9098.	1.6	25
78	Creating underwater vision through wavy whiskers: a review of the flow-sensing mechanisms and biomimetic potential of seal whiskers. Journal of the Royal Society Interface, 2021, 18, 20210629.	1.5	25
79	Sarymsakov Matrices and Asynchronous Implementation of Distributed Coordination Algorithms. IEEE Transactions on Automatic Control, 2014, 59, 2228-2233.	3.6	24
80	Design of Privacy-Preserving Dynamic Controllers. IEEE Transactions on Automatic Control, 2020, 65, 3863-3878.	3.6	24
81	Game-theoretic modeling of collective decision making during epidemics. Physical Review E, 2021, 104, 024314.	0.8	24
82	Asynchronous Decision-Making Dynamics Under Best-Response Update Rule in Finite Heterogeneous Populations. IEEE Transactions on Automatic Control, 2018, 63, 742-751.	3.6	23
83	Localization with Imprecise Distance Information in Sensor Networks. , 0, , .		22
84	Path following control in 3D using a vector field. Automatica, 2020, 117, 108957.	3.0	22
85	Collective patterns of social diffusion are shaped by individual inertia and trend-seeking. Nature Communications, 2021, 12, 5698.	5.8	22
86	Analysis of accelerated gossip algorithms. , 2009, , .		21
87	Convergence in human decision-making dynamics. Systems and Control Letters, 2010, 59, 87-97.	1.3	21
88	Constructing Universally Rigid Tensegrity Frameworks With Application in Multiagent Formation Control. IEEE Transactions on Automatic Control, 2019, 64, 381-388.	3.6	21
89	COORDINATION OF AN ASYNCHRONOUS MULTI-AGENT SYSTEM VIA AVERAGING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 17-22.	0.4	20
90	Synchronization of Goodwin's Oscillators under Boundedness and Nonnegativeness Constraints for Solutions. IEEE Transactions on Automatic Control, 2017, 62, 372-378.	3.6	20

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91	Incentive-Based Control of Asynchronous Best-Response Dynamics on Binary Decision Networks. IEEE Transactions on Control of Network Systems, 2019, 6, 727-736.	2.4	20
92	Visual Object Tracking and Servoing Control of a Nano-Scale Quadrotor: System, Algorithms, and Experiments. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 344-360.	8.5	20
93	Localization of Sensor Networks Using Sweeps. , 2006, , .		19
94	Comments on 'Controllability analysis of multi-agent systems using relaxed equitable partitions'. International Journal of Systems, Control and Communications, 2012, 4, 72.	0.2	19
95	Distributed trajectory tracking control for multiple nonholonomic mobile robots**This work was supported by Projects of Major International (Regional) Joint Research Program (No.61120106010), National Science Foundation for Distinguished Young Scholars of China (No.60925011), National Natural Science Foundation of China (No.61175112), Program for New Century Excellent Talents in University, and the Specialized Research Fund for the Doctoral Program of Higher Education of China (20111101110011).. IFAC-PapersOnLine, 2016, 49, 31-36.	0.5	19
96	Analysis of a nonlinear opinion dynamics model with biased assimilation. Automatica, 2020, 120, 109113.	3.0	19
97	Event-Triggered Synchronization of Multiagent Systems With Partial Input Saturation. IEEE Transactions on Control of Network Systems, 2021, 8, 1406-1416.	2.4	19
98	Consensus and polarization in Altafini's model with bidirectional time-varying network topologies. , 2014, , .		17
99	Crucial role of strategy updating for coexistence of strategies in interaction networks. Physical Review E, 2015, 91, 042101.	0.8	17
100	Contraction Analysis of Monotone Systems via Separable Functions. IEEE Transactions on Automatic Control, 2020, 65, 3486-3501.	3.6	17
101	Agreeing Asynchronously: Announcement of Results. , 2006, , .		16
102	Topology design for fast convergence of network consensus algorithms. , 2007, , .		16
103	Station Keeping in the Plane with Range-Only Measurements. Proceedings of the American Control Conference, 2007, , .	0.0	16
104	Differential inequalities in multi-agent coordination and opinion dynamics modeling. Automatica, 2017, 85, 202-210.	3.0	16
105	Evolutionary Dynamics of Two Communities Under Environmental Feedback. , 2019, 3, 254-259.		16
106	Adaptive leader-follower formation control for autonomous mobile robots. , 2010, , .		15
107	Emergence of leadership in a robotic fish group under diverging individual personality traits. Royal Society Open Science, 2017, 4, 161015.	1.1	15
108	Guiding vector field algorithm for a moving path following problem * **The work was supported in part by the European Research Council (ERC-StG-307207), the Netherlands Organization for Scientific Research (NWO-vidi-14134) and RFBR, grants 17-08-01728, 17-08-00715 and 17-08-01266. IFAC-PapersOnLine, 2017, 50, 6983-6988.	0.5	15

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109	Reach control problem for affine multi-agent systems on simplices. Automatica, 2019, 107, 264-271.	3.0	15
110	Charging plug-in electric vehicles as a mixed-integer aggregative game. , 2019, , .		15
111	Lyapunov Criterion for Stochastic Systems and Its Applications in Distributed Computation. IEEE Transactions on Automatic Control, 2020, 65, 546-560.	3.6	15
112	Zero-Determinant Strategies in Repeated Multiplayer Social Dilemmas With Discounted Payoffs. IEEE Transactions on Automatic Control, 2021, 66, 4575-4588.	3.6	15
113	Asynchronous Distributed Power Control of Multimicrogrid Systems. IEEE Transactions on Control of Network Systems, 2020, 7, 1960-1973.	2.4	15
114	Applications of the Poincaré-Hopf Theorem: Epidemic Models and Lotka-Volterra Systems. IEEE Transactions on Automatic Control, 2022, 67, 1609-1624.	3.6	15
115	Consensus and Disagreement of Heterogeneous Belief Systems in Influence Networks. IEEE Transactions on Automatic Control, 2020, 65, 4679-4694.	3.6	14
116	An asynchronous distributed and scalable generalized Nash equilibrium seeking algorithm for strongly monotone games. European Journal of Control, 2021, 58, 143-151.	1.6	14
117	Formation shape and orientation control using projected collinear tensegrity structures. , 2009, , .		13
118	Event-triggered dynamic output feedback control for switched linear systems. , 2016, , .		13
119	Asynchronous and Time-Varying Proximal Type Dynamics in Multiagent Network Games. IEEE Transactions on Automatic Control, 2021, 66, 2861-2867.	3.6	13
120	Passivation controller design for turbo-generators based on generalised Hamiltonian system theory. IET Generation, Transmission and Distribution, 2002, 149, 305.	1.1	12
121	Weighted centroid tracking control for multi-agent systems. , 2016, , .		12
122	Evolutionary Game Dynamics for Two Interacting Populations in A Co-evolving Environment. , 2018, , .		12
123	Mediated Remote Synchronization of Kuramoto-Sakaguchi Oscillators: The Number of Mediators Matters. , 2021, 5, 767-772.		12
124	Partial Phase Cohesiveness in Networks of Networks of Kuramoto Oscillators. IEEE Transactions on Automatic Control, 2021, 66, 6100-6107.	3.6	12
125	Rendezvous of Unicycles with Continuous and Time-invariant Local Feedback. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 10044-10049.	0.4	11
126	Distributed Averaging Using Compensation. IEEE Communications Letters, 2013, 17, 1672-1675.	2.5	11

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127	Distributed Event-Triggered Control for Synchronization of Dynamical Networks with Estimators*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 116-121.	0.4	11
128	Controlling triangular formations of autonomous agents in finite time using coarse measurements. , 2014, , .		11
129	How Feeling Betrayed Affects Cooperation. PLoS ONE, 2015, 10, e0122205.	1.1	11
130	Quantifying the Influence of Component Failure Probability on Cascading Blackout Risk. IEEE Transactions on Power Systems, 2018, 33, 5671-5681.	4.6	11
131	Robotic Path Following in 3D Using a Guiding Vector Field. , 2018, , .		11
132	Integrated Path Following and Collision Avoidance Using a Composite Vector Field. , 2019, , .		11
133	Strategy Competition Dynamics of Multi-Agent Systems in the Framework of Evolutionary Game Theory. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 152-156.	2.2	11
134	Distributed Model Predictive Control and Optimization for Linear Systems With Global Constraints and Time-Varying Communication. IEEE Transactions on Automatic Control, 2021, 66, 3393-3400.	3.6	11
135	A Distributed Control Law for Acyclic Formations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 7818-7823.	0.4	10
136	An adaptive approach to the range-keeping problem. International Journal of Adaptive Control and Signal Processing, 2012, 26, 757-777.	2.3	10
137	Construction of universally rigid tensegrity frameworks and their applications in formation scaling control. , 2017, , .		10
138	Data-Driven Model Reduction of Monotone Systems by Nonlinear DC Gains. IEEE Transactions on Automatic Control, 2020, 65, 2094-2106.	3.6	10
139	Maneuvering Formations of Mobile Agents Using Designed Mismatched Angles. IEEE Transactions on Automatic Control, 2022, 67, 1655-1668.	3.6	10
140	Modular control under privacy protection: Fundamental trade-offs. Automatica, 2021, 127, 109518.	3.0	10
141	Distributed coordinated path following using guiding vector fields. , 2021, , .		10
142	Opinion dynamics using Altafini's model with a time-varying directed graph. , 2014, , .		9
143	Distributed event-triggered control for output synchronization of dynamical networks with non-identical nodes. , 2014, , .		9
144	Towards control of evolutionary games on networks. , 2014, , .		9

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145	Stability analysis for replicator dynamics of evolutionary snowdrift games. , 2014, , .		9
146	Analysis and control of strategic interactions in finite heterogeneous populations under best-response update rule. , 2015, , .		9
147	A general criterion for synchronization of incrementally dissipative nonlinearly coupled agents. , 2015, , .		9
148	Polarization in cooperative networks of heterogeneous nonlinear agents. , 2016, , .		9
149	Formation scaling control using the stress matrix. , 2017, , .		9
150	Convergence of imitation dynamics for public goods games on networks. , 2017, , .		9
151	Partial Phase Cohesiveness in Networks of Communitized Kuramoto Oscillators. , 2018, , .		9
152	Homophily, heterophily and the diversity of messages among decision-making individuals. Royal Society Open Science, 2018, 5, 180027.	1.1	9
153	Zero-Determinant strategies in finitely repeated n-player games. IFAC-PapersOnLine, 2019, 52, 150-155.	0.5	9
154	Generalized Sarymsakov Matrices. IEEE Transactions on Automatic Control, 2019, 64, 3085-3100.	3.6	9
155	Convergence of linear threshold decision-making dynamics in finite heterogeneous populations. Automatica, 2020, 119, 109063.	3.0	9
156	Distributed Dynamic Event-Based Control for Nonlinear Multi-Agent Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 687-691.	2.2	9
157	Global Convergence for Replicator Dynamics of Repeated Snowdrift Games. IEEE Transactions on Automatic Control, 2021, 66, 291-298.	3.6	9
158	Control of one-dimensional guided formations using coarsely quantized information. , 2010, , .		8
159	Fixation of competing strategies when interacting agents differ in the time scale of strategy updating. Physical Review E, 2016, 94, 032407.	0.8	8
160	Stability of Remote Synchronization in Star Networks of Kuramoto Oscillators. , 2018, , .		8
161	Quantization effects and convergence properties of rigid formation control systems with quantized distance measurements. International Journal of Robust and Nonlinear Control, 2018, 28, 4865-4884.	2.1	8
162	Merging game theory and control theory in the era of AI and autonomy. National Science Review, 2020, 7, 1122-1124.	4.6	8

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163	Vector Field Guided Path Following Control: Singularity Elimination and Global Convergence. , 2020, , .		8
164	A Mean-Field Analysis of a Network Behavioral“Epidemic Model. , 2022, 6, 2533-2538.		8
165	Concrete plant operations optimization using combined simulation and genetic algorithms. , 0, , .		7
166	Decentralized event-triggered control with one bit communications. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 52-57.	0.4	7
167	Robust decentralized output regulation for uncertain heterogeneous systems. , 2012, , .		7
168	Distributed scaling control of rigid formations. , 2016, , .		7
169	Stability properties of the Goodwin-Smith oscillator model with additional feedback””The work was supported in part by the European Research Council (ERCStG-307207), RFBR, grant 14-08-01015 and St. Petersburg State University, grant 6.38.230.2015. Theorem 2 was obtained under sole support of Russian Science Foundation (RSF), grant 14-29-00142, at Institute for Problems in Mechanical Engineering, RAS. IFAC-PapersOnLine, 2016, 49, 131-136.	0.5	7
170	Distributed Behavioral Control for Second-Order Nonlinear Multi-Agent Systems. IFAC-PapersOnLine, 2017, 50, 2445-2450.	0.5	7
171	Modulus consensus in discrete-time signed networks and properties of special recurrent inequalities. , 2017, , .		7
172	A Centrality-Based Security Game for Multihop Networks. IEEE Transactions on Control of Network Systems, 2018, 5, 1507-1516.	2.4	7
173	Local and global analysis of endocrine regulation as a non-cyclic feedback system. Automatica, 2018, 91, 190-196.	3.0	7
174	Coordinate-free formation control of multi-agent systems using rooted graphs. Systems and Control Letters, 2018, 119, 8-15.	1.3	7
175	Impulsive model of endocrine regulation with a local continuous feedback. Mathematical Biosciences, 2019, 310, 128-135.	0.9	7
176	Efficient Heuristic Algorithms for Single-Vehicle Task Planning With Precedence Constraints. IEEE Transactions on Cybernetics, 2021, 51, 6274-6283.	6.2	7
177	Event- and time-triggered dynamic task assignments for multiple vehicles. Autonomous Robots, 2020, 44, 877-888.	3.2	7
178	Rationality, Imitation, and Rational Imitation in Spatial Public Goods Games. IEEE Transactions on Control of Network Systems, 2021, 8, 1324-1335.	2.4	7
179	Learning enables adaptation in cooperation for multi-player stochastic games. Journal of the Royal Society Interface, 2020, 17, 20200639.	1.5	7
180	Maintaining an autonomous agent's position in a moving formation with range-only measurements. , 2007, , .		7

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181	An asynchronous, forward-backward, distributed generalized Nash equilibrium seeking algorithm. , 2019, , .		7
182	Recurrent averaging inequalities in multi-agent control and social dynamics modeling. Annual Reviews in Control, 2020, 49, 95-112.	4.4	7
183	Multi-agent rendezvousing with a finite set of candidate rendezvous points. , 2008, , .		6
184	Circle formation for anonymous mobile robots with order preservation. , 2012, , .		6
185	Focused First-Followers Accelerate Aligning Followers with the Leader in Reaching Network Consensus. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 10042-10047.	0.4	6
186	Distributed Concurrent Targeting for Linear Arrays of Point Sources. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 8323-8328.	0.4	6
187	Task assignment for robots with limited communication. , 2017, , .		6
188	Distributed algorithm for controlling scale-free polygonal formations * **The work of Hector Garcia de Marina was supported by Mistrale project, http://mistrale.eu . The work of Cao was supported in part by the European Research Council (ERC-StG-307207) and the Netherlands Organization for Scientific Research (NWO-vidi-14134).. IFAC-PapersOnLine, 2017, 50, 1760-1765.	0.5	6
189	Self-Triggered Stochastic MPC for Linear Systems With Disturbances. , 2019, 3, 787-792.		6
190	Local-HDP: Interactive open-ended 3D object category recognition in real-time robotic scenarios. Robotics and Autonomous Systems, 2022, 147, 103911.	3.0	6
191	Steady-state distributions for human decisions in two-alternative choice tasks. , 2010, , .		5
192	Cluster synchronization algorithms. , 2010, , .		5
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