Lihua Xie

List of Publications by Year
in descending order

832 papers	36,755 citations	2675 95 h-index	5539 163 g-index
839 all docs	839 docs citations	839 times ranked	14426 citing authors

#	Article	IF	Citations
1	Advancing Imbalanced Domain Adaptation: Cluster-Level Discrepancy Minimization With a Comprehensive Benchmark. IEEE Transactions on Cybernetics, 2023, 53, 1106-1117.	9.5	10
2	Game-Theoretic Inverse Reinforcement Learning: A Differential Pontryagin's Maximum Principle Approach. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9506-9513.	11.3	5
3	Cooperative Pursuit With Multi-Pursuer and One Faster Free-Moving Evader. IEEE Transactions on Cybernetics, 2022, 52, 1405-1414.	9.5	30
4	Risk-Aware Optimal Control for Automated Overtaking With Safety Guarantees. IEEE Transactions on Control Systems Technology, 2022, 30, 1460-1472.	5.2	6
5	Distributed Online Convex Optimization With an Aggregative Variable. IEEE Transactions on Control of Network Systems, 2022, 9, 438-449.	3.7	21
6	Linear–Quadratic Optimal Control for Discrete-Time Mean-Field Systems With Input Delay. IEEE Transactions on Automatic Control, 2022, 67, 3806-3821.	5.7	9
7	Flight With Limited Field of View: A Parallel and Gradient-Free Strategy for Micro Aerial Vehicle. IEEE Transactions on Industrial Electronics, 2022, 69, 9258-9267.	7.9	5
8	Decentralized Control for Networked Control Systems With Asymmetric Information. IEEE Transactions on Automatic Control, 2022, 67, 2076-2083.	5.7	27
9	Distributed Formation Maneuver Control of Multiagent Systems Over Directed Graphs. IEEE Transactions on Cybernetics, 2022, 52, 8201-8212.	9.5	18
10	Reinforcement-Learning-Based Disturbance Rejection Control for Uncertain Nonlinear Systems. IEEE Transactions on Cybernetics, 2022, 52, 9621-9633.	9.5	16
11	Adaptive Observation-Based Efficient Reinforcement Learning for Uncertain Systems. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5492-5503.	11.3	5
12	Differentially Private Distributed Nash Equilibrium Seeking for Aggregative Games. IEEE Transactions on Automatic Control, 2022, 67, 2451-2458.	5.7	26
13	VIRAL-Fusion: A Visual-Inertial-Ranging-Lidar Sensor Fusion Approach. IEEE Transactions on Robotics, 2022, 38, 958-977.	10.3	36
14	Time-Synchronized Control for Disturbed Systems. IEEE Transactions on Cybernetics, 2022, 52, 8703-8715.	9.5	16
15	Design and Experimental Evaluation of a Hierarchical Controller for an Autonomous Ground Vehicle With Large Uncertainties. IEEE Transactions on Control Systems Technology, 2022, 30, 1215-1227.	5.2	5
16	Distributed Aggregative Optimization Over Multi-Agent Networks. IEEE Transactions on Automatic Control, 2022, 67, 3165-3171.	5.7	27
17	Temporal Logic Trees for Model Checking and Control Synthesis of Uncertain Discrete-Time Systems. IEEE Transactions on Automatic Control, 2022, 67, 5071-5086.	5.7	4
18	NTU VIRAL: A visual-inertial-ranging-lidar dataset, from an aerial vehicle viewpoint. International Journal of Robotics Research, 2022, 41, 270-280.	8.5	39

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19	Coordinate-Free Circumnavigation of a Moving Target Via a PD-Like Controller. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 2012-2025.	4.7	8
20	Real-Time Perception-Limited Motion Planning Using Sampling-Based MPC. IEEE Transactions on Industrial Electronics, 2022, 69, 13182-13191.	7.9	10
21	How vulnerable is innovation-based remote state estimation: Fundamental limits under linear attacks. Automatica, 2022, 136, 110079.	5.0	9
22	Flexible and Resource-Efficient Multi-Robot Collaborative Visual-Inertial-Range Localization. IEEE Robotics and Automation Letters, 2022, 7, 928-935.	5.1	18
23	EfficientFi: Toward Large-Scale Lightweight WiFi Sensing via CSI Compression. IEEE Internet of Things Journal, 2022, 9, 13086-13095.	8.7	24
24	DIRECT: A Differential Dynamic Programming Based Framework for Trajectory Generation. IEEE Robotics and Automation Letters, 2022, 7, 2439-2446.	5.1	3
25	CAUTION: A Robust WiFi-Based Human Authentication System via Few-Shot Open-Set Recognition. IEEE Internet of Things Journal, 2022, 9, 17323-17333.	8.7	20
26	Autonomous dynamic docking of UAV based on UWB-vision in GPS-denied environment. Journal of the Franklin Institute, 2022, 359, 2788-2809.	3.4	6
27	A zonotopic characterization of cyber€physical system vulnerabilities. International Journal of Robust and Nonlinear Control, 2022, 32, 5379-5397.	3.7	5
28	Image-based microstructure classification of mortar and paste using convolutional neural networks and transfer learning. Cement and Concrete Composites, 2022, 129, 104496.	10.7	15
29	3-D Network Localization Using Angle Measurements and Reduced Communication. IEEE Transactions on Signal Processing, 2022, 70, 2402-2415.	5.3	6
30	Estimating Odometry Scale and UWB Anchor Location Based on Semidefinite Programming Optimization. IEEE Robotics and Automation Letters, 2022, 7, 7359-7366.	5.1	2
31	Robust and Efficient Velocity Estimation for MAVs With an RGB-D Camera. IEEE Robotics and Automation Letters, 2022, 7, 8917-8924.	5.1	0
32	Distributed Bandit Online Convex Optimization With Time-Varying Coupled Inequality Constraints. IEEE Transactions on Automatic Control, 2021, 66, 4620-4635.	5.7	42
33	Graph Optimization Approach to Range-Based Localization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6830-6841.	9.3	29
34	Distributed Proximal Algorithms for Multiagent Optimization With Coupled Inequality Constraints. IEEE Transactions on Automatic Control, 2021, 66, 1223-1230.	5.7	28
35	Review on Advanced Control Technologies for Bidirectional DC/DC Converters in DC Microgrids. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1205-1221.	5.4	189
36	A Hierarchically Coordinated Operation and Control Scheme for DC Microgrid Clusters Under Uncertainty. IEEE Transactions on Sustainable Energy, 2021, 12, 273-283.	8.8	29

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37	Stator End-Winding Thermal and Magnetic Sensor Arrays for Online Stator Inter-Turn Fault Detection. IEEE Sensors Journal, 2021, 21, 5312-5321.	4.7	26
38	Angle-Displacement Rigidity Theory With Application to Distributed Network Localization. IEEE Transactions on Automatic Control, 2021, 66, 2574-2587.	5.7	27
39	Survey on Localization Systems and Algorithms for Unmanned Systems. Unmanned Systems, 2021, 09, 129-163.	3.6	44
40	Computing Probabilistic Controlled Invariant Sets. IEEE Transactions on Automatic Control, 2021, 66, 3138-3151.	5.7	5
41	Distributed Online Optimization for Multi-Agent Networks With Coupled Inequality Constraints. IEEE Transactions on Automatic Control, 2021, 66, 3575-3591.	5.7	53
42	Optimal Control and Stabilization for Networked Systems With Input Delay and Markovian Packet Losses. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4453-4465.	9.3	19
43	Chance Constrained Scheduling and Pricing for Multi-Service Battery Energy Storage. IEEE Transactions on Smart Grid, 2021, 12, 5030-5042.	9.0	9
44	Fixed-Time Observer Based Safety Control for a Quadrotor UAV. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 2815-2825.	4.7	43
45	Minimum-Degree Distributed Graph Filter Design. IEEE Transactions on Signal Processing, 2021, 69, 1083-1096.	5.3	3
46	A Behavior-Based Mobile Robot Navigation Method with Deep Reinforcement Learning. Unmanned Systems, 2021, 09, 201-209.	3.6	12
47	Lightweight 3-D Localization and Mapping for Solid-State LiDAR. IEEE Robotics and Automation Letters, 2021, 6, 1801-1807.	5.1	37
48	Intensity-SLAM: Intensity Assisted Localization and Mapping for Large Scale Environment. IEEE Robotics and Automation Letters, 2021, 6, 1715-1721.	5.1	45
49	Efficient Trajectory Planning for Multiple Non-Holonomic Mobile Robots via Prioritized Trajectory Optimization. IEEE Robotics and Automation Letters, 2021, 6, 405-412.	5.1	35
50	Range-Focused Fusion of Camera-IMU-UWB for Accurate and Drift-Reduced Localization. IEEE Robotics and Automation Letters, 2021, 6, 1678-1685.	5.1	63
51	Erratum to â€œA Hierarchically Coordinated Operation and Control Scheme for DC Microgrid Clusters Under Uncertaintyâ€•[Jan 21 273-283]. IEEE Transactions on Sustainable Energy, 2021, 12, 1497-1497.	8.8	0
52	Robust adversarial discriminative domain adaptation for real-world cross-domain visual recognition. Neurocomputing, 2021, 433, 28-36.	5.9	17
53	Efficient Online Jerk-limited Trajectory Generation for Multicopters Using Barrier Functions. , 2021, , .		2
54	Invariant cover: Existence, cardinality bounds, and computation. Automatica, 2021, 129, 109588.	5.0	3

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55	Practical output consensus of nonlinear heterogeneous multi-agent systems with limited data rate. Automatica, 2021, 129, 109624.	5.0	10
56	Unconstrained tracking MPC for continuous-time nonlinear systems. Automatica, 2021, 129, 109680.	5.0	5
57	Artificial Intelligence-Based Control Design for Reliable Virtual Synchronous Generators. IEEE Transactions on Power Electronics, 2021, 36, 9453-9464.	7.9	34
58	A new extended state observer for uncertain nonlinear systems. Automatica, 2021, 131, 109772.	5.0	48
59	Optimal Control for Stochastic Systems With Multiple Controllers of Different Information Structures. IEEE Transactions on Automatic Control, 2021, 66, 4160-4175.	5.7	24
60	Reset Moving Horizon Estimation for Quantized Discrete Time Systems. IEEE Transactions on Automatic Control, 2021, 66, 4199-4205.	5.7	34
61	Learning decomposed hierarchical feature for better transferability of deep models. Information Sciences, 2021, 580, 385-397.	6.9	4
62	Bearing-only distributed localization: A unified barycentric approach. Automatica, 2021, 133, 109834.	5.0	14
63	Multimodal CSI-Based Human Activity Recognition Using GANs. IEEE Internet of Things Journal, 2021, 8, 17345-17355.	8.7	45
64	GarbageNet: A Unified Learning Framework for Robust Garbage Classification. IEEE Transactions on Artificial Intelligence, 2021, 2, 372-380.	4.7	29
65	Noisy Channel Effects on Multi-agent Consensus. , 2021, , 1455-1461.		0
66	Towards Real-time Semantic RGB-D SLAM in Dynamic Environments. , 2021, , .		32
67	LIRO: Tightly Coupled Lidar-Inertia-Ranging Odometry. , 2021, , .		13
68	MILIOM: Tightly Coupled Multi-Input Lidar-Inertia Odometry and Mapping. IEEE Robotics and Automation Letters, 2021, 6, 5573-5580.	5.1	22
69	Optimal Control and Stabilization for ItÃ´ Systems with Input Delay. Journal of Systems Science and Complexity, 2021, 34, 1895-1926.	2.8	2
70	An enhanced UAV safety control scheme against attacks on desired trajectory. Aerospace Science and Technology, 2021, 119, 107212.	4.8	8
71	Distributed multi-robot sweep coverage for a region with unknown workload distribution. Autonomous Intelligent Systems, 2021, 1, 1.	3.1	6
72	F-LOAM : Fast LiDAR Odometry and Mapping. , 2021, , .		115

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73	Necessary and Sufficient Conditions for Leader-Following Bipartite Consensus With Measurement Noise. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1976-1981.	9.3	72
74	WiFi Fingerprinting Indoor Localization Using Local Feature-Based Deep LSTM. IEEE Systems Journal, 2020, 14, 3001-3010.	4.6	102
75	Ultra-Wideband and Odometry-Based Cooperative Relative Localization With Application to Multi-UAV Formation Control. IEEE Transactions on Cybernetics, 2020, 50, 2590-2603.	9.5	154
76	Preview-Based Discrete-Time Dynamic Formation Control Over Directed Networks via Matrix-Valued Laplacian. IEEE Transactions on Cybernetics, 2020, 50, 1251-1263.	9.5	16
77	Simultaneous cooperative relative localization and distributed formation control for multiple UAVs. Science China Information Sciences, 2020, 63, 1.	4.3	24
78	Distributed Continuous-Time Nonsmooth Convex Optimization With Coupled Inequality Constraints. IEEE Transactions on Control of Network Systems, 2020, 7, 74-84.	3.7	42
79	Discrete-Time and Discrete-Space Dynamical Systems. Communications and Control Engineering, 2020, , .	1.6	7
80	Single Landmark Distance-Based Navigation. IEEE Transactions on Control Systems Technology, 2020, 28, 2021-2028.	5.2	29
81	Ratio-of-Distance Rigidity Theory With Application to Similar Formation Control. IEEE Transactions on Automatic Control, 2020, 65, 2598-2611.	5.7	22
82	Distributed Consensus Over Markovian Packet Loss Channels. IEEE Transactions on Automatic Control, 2020, 65, 279-286.	5.7	26
83	Distributed Online Convex Optimization With Time-Varying Coupled Inequality Constraints. IEEE Transactions on Signal Processing, 2020, 68, 731-746.	5.3	82
84	Machine learning driven personal comfort prediction by wearable sensing of pulse rate and skin temperature. Building and Environment, 2020, 170, 106615.	6.9	62
85	Relative Docking and Formation Control via Range and Odometry Measurements. IEEE Transactions on Control of Network Systems, 2020, 7, 912-922.	3.7	14
86	Active disturbance rejection control for uncertain time-delay nonlinear systems. Automatica, 2020, 112, 108692.	5.0	70
87	Persistently Excited Adaptive Relative Localization and Time-Varying Formation of Robot Swarms. IEEE Transactions on Robotics, 2020, 36, 553-560.	10.3	37
88	Data rate for output feedback consensus of uncertain nonlinear multiagent systems. International Journal of Robust and Nonlinear Control, 2020, 30, 5430-5445.	3.7	6
89	Multiple observers based anti-disturbance control for a quadrotor UAV against payload and wind disturbances. Control Engineering Practice, 2020, 102, 104560.	5.5	107
90	Distributed algorithms for computing a fixed point of multi-agent nonexpansive operators. Automatica, 2020, 122, 109286.	5.0	4

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91	3-D Distributed Localization With Mixed Local Relative Measurements. IEEE Transactions on Signal Processing, 2020, 68, 5869-5881.	5.3	11
92	Tightly-Coupled Single-Anchor Ultra-wideband-Aided Monocular Visual Odometry System. , 2020, , .		22
93	Intensity Scan Context: Coding Intensity and Geometry Relations for Loop Closure Detection. , 2020, , .		125
94	Tightly-coupled ultra-wideband-aided monocular visual SLAM with degenerate anchor configurations. Autonomous Robots, 2020, 44, 1519-1534.	4.8	24
95	3-D Multi-player Pursuit-evasion Game with a Faster Evader. , 2020, , .		3
96	Design of Periodic Stabilizing Switching Signals for Compartmental Switched Systems. , 2020, , .		0
97	Optimal Local and Remote Controls of Networked Systems: Multiplicative Noise Case. , 2020, , .		0
98	A Distributed Primal-Dual Algorithm for Bandit Online Convex Optimization with Time-Varying Coupled Inequality Constraints. , 2020, , .		2
99	Cooperative P2P Energy Trading in Active Distribution Networks: An MILP-Based Nash Bargaining Solution. IEEE Transactions on Smart Grid, 2020, , 1-1.	9.0	54
100	Nontracking type iterative learning control based on economic model predictive control. International Journal of Robust and Nonlinear Control, 2020, 30, 8564-8582.	3.7	3
101	Adversarial Learning-Enabled Automatic WiFi Indoor Radio Map Construction and Adaptation With Mobile Robot. IEEE Internet of Things Journal, 2020, 7, 6946-6954.	8.7	53
102	MobileDA: Toward Edge-Domain Adaptation. IEEE Internet of Things Journal, 2020, 7, 6909-6918.	8.7	38
103	Remote State Estimation With Stochastic Event-Triggered Sensor Schedule and Packet Drops. IEEE Transactions on Automatic Control, 2020, 65, 4981-4988.	5.7	25
104	An Online Approach to Physical Watermark Design. IEEE Transactions on Automatic Control, 2020, 65, 3895-3902.	5.7	27
105	Loosely-Coupled Ultra-wideband-Aided Scale Correction for Monocular Visual Odometry. Unmanned Systems, 2020, 08, 179-190.	3.6	18
106	Distributed Drone Traffic Coordination Using Triggered Communication. Unmanned Systems, 2020, 08, 1-20.	3.6	12
107	Mind the Discriminability: Asymmetric Adversarial Domain Adaptation. Lecture Notes in Computer Science, 2020, , 589-606.	1.3	24
108	Online Visual Place Recognition via Saliency Re-identification. , 2020, , .		9

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109	Invertibility and Nonsingularity of Boolean Control Networks. Communications and Control Engineering, 2020, , 59-86.	1.6	0
110	Observability and Detectability of Large-Scale Boolean Control Networks. Communications and Control Engineering, 2020, , 117-142.	1.6	0
111	Noisy Channel Effects on Multi-agent Consensus. , 2020, , 1-7.		0
112	Ensuring safety for vehicle parking tasks using Hamilton-Jacobi reachability analysis. , 2020, , .		6
113	Domain Adaptation for Degraded Remote Scene Classification. , 2020, , .		9
114	A Linearly Convergent Algorithm for Multi-Agent Quasi-Nonexpansive Operators in Real Hilbert Spaces. , 2020, , .		2
115	Robust CSI-based Human Activity Recognition using Roaming Generator. , 2020, , .		2
116	Reinforcement Learning Based Approach for Flip Attack Detection. , 2020, , .		2
117	Active Disturbance Rejection Time-Varying Formation Tracking for Unmanned Aerial Vehicles. , 2020, , .		4
118	An Optimal Linear Attack Strategy on Remote State Estimation. IFAC-PapersOnLine, 2020, 53, 3527-3532.	0.9	5
119	Distributed Finite-time Power Management for Hybrid Energy Storage Systems in DC microgrids. , 2020, , .		0
120	Probabilistic Characterization of Target Set and Region of Attraction for Discrete-time Control Systems. , 2020, , .		0
121	Stochastic Channel Allocation for Networked MPC Without Terminal Conditions. , 2020, , .		0
122	Online Trajectory Correction and Tracking for Facade Inspection Using Autonomous UAV. , 2020, , .		3
123	Extended State Observer Based Reinforcement Learning and Disturbance Rejection for Uncertain Nonlinear Systems. , 2020, , .		6
124	Consensusability of Discrete-Time Multiagent Systems With Communication Delay and Packet Dropouts. IEEE Transactions on Automatic Control, 2019, 64, 1185-1192.	5.7	49
125	A Dual Splitting Approach for Distributed Resource Allocation With Regularization. IEEE Transactions on Control of Network Systems, 2019, 6, 403-414.	3.7	30
126	Bayesian Filtering With Unknown Sensor Measurement Losses. IEEE Transactions on Control of Network Systems, 2019, 6, 163-175.	3.7	38

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127	Bipartite tracking of homogeneous and heterogeneous linear multi-agent systems. International Journal of Control, 2019, 92, 2963-2972.	1.9	33
128	Integrated UWB-Vision Approach for Autonomous Docking of UAVs in GPS-denied Environments. , 2019, , .		36
129	Distance-Based Cooperative Relative Localization for Leader-Following Control of MAVs. IEEE Robotics and Automation Letters, 2019, 4, 3641-3648.	5.1	33
130	Robust self-triggered control for time-varying and uncertain constrained systems via reachability analysis. Automatica, 2019, 107, 574-581.	5.0	8
131	Multilayer formation control of multi-agent systems. Automatica, 2019, 109, 108558.	5.0	103
132	Learning Gestures From WiFi: A Siamese Recurrent Convolutional Architecture. IEEE Internet of Things Journal, 2019, 6, 10763-10772.	8.7	83
133	Bearing-ratio-of-distance rigidity theory with application to directly similar formation control. Automatica, 2019, 109, 108540.	5.0	18
134	Minimal Strongly Eventually Positive Realization for a Class of Externally Positive Systems. IEEE Transactions on Automatic Control, 2019, 64, 4314-4320.	5.7	4
135	Distributed optimal consensus of multiple double integrators under bounded velocity and acceleration. Control Theory and Technology, 2019, 17, 85-98.	1.6	11
136	Distributed continuousâ€time algorithm for a general nonsmooth monotropic optimization problem. International Journal of Robust and Nonlinear Control, 2019, 29, 3252-3266.	3.7	21
137	A feedforward neural network based indoor-climate control framework for thermal comfort and energy saving in buildings. Applied Energy, 2019, 248, 44-53.	10.1	135
138	Reset control for synchronization of multi-agent systems. Automatica, 2019, 104, 189-195.	5.0	29
139	A Unified Strategy for Solution Seeking in Graphical N-Coalition Noncooperative Games. IEEE Transactions on Automatic Control, 2019, 64, 4645-4652.	5.7	56
140	Time-varying formation tracking for uncertain second-order nonlinear multi-agent systems. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 76-87.	2.6	12
141	Decentralized control for linear systems with multiple input channels. Science China Information Sciences, 2019, 62, 1.	4.3	19
142	A Distributed Algorithm for Online Convex Optimization with Time-Varying Coupled Inequality Constraints. , 2019, , .		2
143	Distributed Output Feedback Consensus of Uncertain Nonlinear Multi-Agent Systems With Limited Data Rate. , 2019, , .		4
144	Remote State Estimation with Stochastic Event-triggered Sensor Schedule in the Presence of Packet Drops. , 2019, , .		2

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145	Jerk-limited Holonomic Robot Motion Planning Using Barrier Functions. , 2019, , .		1
146	Distributed Proximal Point Algorithm for Constrained Optimization over Unbalanced Graphs. , 2019, , .		0
147	Kervolutional Neural Networks. , 2019, , .		39
148	Stochastic Modeling and Optimal Control for Automated Overtaking. , 2019, , .		4
149	On the Wireless Extension of PROFINET Networks. , 2019, , .		9
150	MPC-based Unified Trajectory Planning and Tracking Control Approach for Automated Guided Vehicles. , 2019, , .		20
151	Feedback-Feedforward Control Approach to Distributed Optimization. , 2019, , .		6
152	Fast Loop Closure Detection via Binary Content. , 2019, , .		2
153	Relative Docking via Range-only Measurements. , 2019, , .		1
154	Corrected Gradient Methods for Distributed optimization. , 2019, , .		0
155	A Novel Ensemble ELM for Human Activity Recognition Using Smartphone Sensors. IEEE Transactions on Industrial Informatics, 2019, 15, 2691-2699.	11.3	110
156	Feedforward Control With Disturbance Prediction for Linear Discrete-Time Systems. IEEE Transactions on Control Systems Technology, 2019, 27, 2340-2350.	5.2	10
157	Set Stabilization of Probabilistic Boolean Networks Using Pinning Control. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2555-2561.	11.3	49
158	Performance evaluation of industrial Ethernet protocols for networked control application. Control Engineering Practice, 2019, 84, 208-217.	5.5	22
159	On the Sample Complexity of Multichannel Frequency Estimation via Convex Optimization. IEEE Transactions on Information Theory, 2019, 65, 2302-2315.	2.4	20
160	Consensusability of Multiagent Systems With Delay and Packet Dropout Under Predictor-Like Protocols. IEEE Transactions on Automatic Control, 2019, 64, 3506-3513.	5.7	37
161	Convex Optimization Based State Estimation Against Sparse Integrity Attacks. IEEE Transactions on Automatic Control, 2019, 64, 2383-2395.	5.7	27
162	A Novel Reduced-Order Protocol for Consensus Control of Linear Multiagent Systems. IEEE Transactions on Automatic Control, 2019, 64, 3005-3012.	5.7	37

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163	A Hierarchical Heuristic Approach for Solving Air Traffic Scheduling and Routing Problem With a Novel Air Traffic Model. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3421-3434.	8.0	10
164	Finite-time path following control for a stratospheric airship with input saturation and error constraint. International Journal of Control, 2019, 92, 368-393.	1.9	62
165	Integrated Relative Localization and Leaderâ€"Follower Formation Control. IEEE Transactions on Automatic Control, 2019, 64, 20-34.	5.7	111
166	A Bregman Splitting Scheme for Distributed Optimization Over Networks. IEEE Transactions on Automatic Control, 2018, 63, 3809-3824.	5.7	36
167	Stochastic Channel Allocation for Nonlinear Systems with Markovian Packet Dropout. Journal of Systems Science and Complexity, 2018, 31, 22-37.	2.8	5
168	Event-Triggered Output Regulation of Heterogeneous Multiagent Networks. IEEE Transactions on Automatic Control, 2018, 63, 4429-4434.	5.7	62
169	Building occupancy estimation and detection: A review. Energy and Buildings, 2018, 169, 260-270.	6.7	186
170	SMR drive performance analysis under different workload environments. Control Engineering Practice, 2018, 75, 86-97.	5.5	1
171	Random forest based thermal comfort prediction from gender-specific physiological parameters using wearable sensing technology. Energy and Buildings, 2018, 166, 391-406.	6.7	130
172	Necessary and sufficient conditions for distributed constrained optimal consensus under bounded input. International Journal of Robust and Nonlinear Control, 2018, 28, 2619-2635.	3.7	12
173	High-Precision Multi-UAV Teaming for the First Outdoor Night Show in Singapore. Unmanned Systems, 2018, 06, 39-65.	3.6	21
174	Dynamic Formation Control Over Directed Networks Using Graphical Laplacian Approach. IEEE Transactions on Automatic Control, 2018, 63, 3761-3774.	5.7	35
175	Mitigating Quantization Effects on Distributed Sensor Fusion: A Least Squares Approach. IEEE Transactions on Signal Processing, 2018, 66, 3459-3474.	5.3	26
176	Online stator end winding thermography using infrared sensor array. , 2018, , .		3
177	Feasibility for Utilizing IEEE 802.15.4 Compliant Radios Inside Rotating Electrical Machines for Wireless Condition Monitoring Applications. IEEE Sensors Journal, 2018, 18, 4293-4302.	4.7	6
178	A New Distributed Model Predictive Control for Unconstrained Double-Integrator Multiagent Systems. IEEE Transactions on Automatic Control, 2018, 63, 4367-4374.	5.7	31
179	Hybrid Storage Systems: A Survey of Architectures and Algorithms. IEEE Access, 2018, 6, 13385-13406.	4.2	17
180	Stochastic self-triggered model predictive control for linear systems with probabilistic constraints. Automatica, 2018, 92, 9-17.	5.0	35

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181	Stability of discrete-time positive switched linear systems with stable and marginally stable subsystems. Automatica, 2018, 91, 294-300.	5.0	37
182	Event-Triggered Quantized Communication-Based Distributed Convex Optimization. IEEE Transactions on Control of Network Systems, 2018, 5, 167-178.	3.7	74
183	Event-Triggered Communication and Data Rate Constraint for Distributed Optimization of Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1908-1919.	9.3	106
184	Error-Constrained LOS Path Following of a Surface Vessel With Actuator Saturation and Faults. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1794-1805.	9.3	196
185	Fast convex optimization method for frequency estimation with prior knowledge in all dimensions. Signal Processing, 2018, 142, 271-280.	3.7	10
186	Convergence of Asynchronous Distributed Gradient Methods Over Stochastic Networks. IEEE Transactions on Automatic Control, 2018, 63, 434-448.	5.7	131
187	Distributed nonlinear model predictive control based on contraction theory. International Journal of Robust and Nonlinear Control, 2018, 28, 492-503.	3.7	12
188	Received Signal Strength Based Indoor Positioning Using a Random Vector Functional Link Network. IEEE Transactions on Industrial Informatics, 2018, 14, 1846-1855.	11.3	53
189	WinLight: A WiFi-based occupancy-driven lighting control system for smart building. Energy and Buildings, 2018, 158, 924-938.	6.7	121
190	Sparse methods for direction-of-arrival estimation. , 2018, , 509-581.		127
191	Robust finite-time connectivity preserving coordination of second-order multi-agent systems. Automatica, 2018, 89, 21-27.	5.0	75
192	Thermal comfort prediction using normalized skin temperature in a uniform built environment. Energy and Buildings, 2018, 159, 426-440.	6.7	115
193	Adaptive Trajectory Tracking Control of a Fully Actuated Surface Vessel With Asymmetrically Constrained Input and Output. IEEE Transactions on Control Systems Technology, 2018, 26, 1851-1859.	5.2	252
194	Frequency-selective Vandermonde decomposition of Toeplitz matrices with applications. Signal Processing, 2018, 142, 157-167.	3.7	21
195	Distributed Continuous-Time Constrained Convex Optimization via Nonsmooth Analysis. , 2018, , .		0
196	An Integrated Localization-Navigation Scheme for Distance-Based Docking of UAVs. , 2018, , .		16
197	Ratio-of-Distance Rigidity in Distributed Formation Control. , 2018, , .		1
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