

# Lihua Xie

## List of Publications by Year in descending order

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876  
papers

37,306  
citations

2298

95  
h-index

4798

163  
g-index

892  
all docs

892  
docs citations

892  
times ranked

15979  
citing authors

#	ARTICLE	IF	CITATIONS
1	Output feedback $H_2$ control of systems with parameter uncertainty. International Journal of Control, 1996, 63, 741-750.	1.9	1,483
2	Robust control of a class of uncertain nonlinear systems. Systems and Control Letters, 1992, 19, 139-149.	2.3	1,377
3	The sector bound approach to quantized feedback control. IEEE Transactions on Automatic Control, 2005, 50, 1698-1711.	5.9	1,369
4	Robust Finite-Time Consensus Tracking Algorithm for Multirobot Systems. IEEE/ASME Transactions on Mechatronics, 2009, 14, 219-228.	6.0	750
5	Further Improvement of Free-Weighting Matrices Technique for Systems With Time-Varying Delay. IEEE Transactions on Automatic Control, 2007, 52, 293-299.	5.9	699
6	Off-Grid Direction of Arrival Estimation Using Sparse Bayesian Inference. IEEE Transactions on Signal Processing, 2013, 61, 38-43.	5.6	698
7	Distributed consensus of linear multi-agent systems with adaptive dynamic protocols. Automatica, 2013, 49, 1986-1995.	5.1	560
8	Network Topology and Communication Data Rate for Consensusability of Discrete-Time Multi-Agent Systems. IEEE Transactions on Automatic Control, 2011, 56, 2262-2275.	5.9	508
9	Robust Kalman filtering for uncertain discrete-time systems. IEEE Transactions on Automatic Control, 1994, 39, 1310-1314.	5.9	473
10	Distributed Tracking Control for Linear Multiagent Systems With a Leader of Bounded Unknown Input. IEEE Transactions on Automatic Control, 2013, 58, 518-523.	5.9	468
11	Distributed Consensus With Limited Communication Data Rate. IEEE Transactions on Automatic Control, 2011, 56, 279-292.	5.9	462
12	Improved robust $H_2$ and $H_2$ filtering for uncertain discrete-time systems. Automatica, 2004, 40, 873-880.	5.1	346
13	Fusion of WiFi, Smartphone Sensors and Landmarks Using the Kalman Filter for Indoor Localization. Sensors, 2015, 15, 715-732.	3.9	327
14	New approach to mixed $H_2/H_\infty$ filtering for polytopic discrete-time systems. IEEE Transactions on Signal Processing, 2005, 53, 3183-3192.	5.6	296
15	Optimal linear estimation for systems with multiple packet dropouts. Automatica, 2008, 44, 1333-1342.	5.1	288
16	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.	5.4	269
17	Consensus condition for linear multi-agent systems over randomly switching topologies. Automatica, 2013, 49, 3125-3132.	5.1	255
18	On Gridless Sparse Methods for Line Spectral Estimation From Complete and Incomplete Data. IEEE Transactions on Signal Processing, 2015, 63, 3139-3153.	5.6	247

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19	Finite-time distributed consensus via binary control protocols. <i>Automatica</i> , 2011, 47, 1962-1968.	5.1	241
20	Feedback Stabilization of Discrete-Time Networked Systems Over Fading Channels. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 2176-2189.	5.9	232
21	Distributed consensus for multi-agent systems with delays and noises in transmission channels. <i>Automatica</i> , 2011, 47, 920-934.	5.1	230
22	Review on Advanced Control Technologies for Bidirectional DC/DC Converters in DC Microgrids. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021, 9, 1205-1221.	5.6	227
23	Diffusion Kalman Filtering Based on Covariance Intersection. <i>IEEE Transactions on Signal Processing</i> , 2012, 60, 891-902.	5.6	216
24	$H^\infty$ estimation for discrete-time linear uncertain systems. <i>International Journal of Robust and Nonlinear Control</i> , 1991, 1, 111-123.	3.7	209
25	Error-Constrained LOS Path Following of a Surface Vessel With Actuator Saturation and Faults. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 1794-1805.	9.6	205
26	Distributed constrained optimal consensus of multi-agent systems. <i>Automatica</i> , 2016, 68, 209-215.	5.1	204
27	Building occupancy estimation and detection: A review. <i>Energy and Buildings</i> , 2018, 169, 260-270.	6.7	204
28	Energy-Efficient Distributed Adaptive Multisensor Scheduling for Target Tracking in Wireless Sensor Networks. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2009, 58, 1886-1896.	4.7	203
29	Mean square stability for Kalman filtering with Markovian packet losses. <i>Automatica</i> , 2011, 47, 2647-2657.	5.1	200
30	Enhancing Sparsity and Resolution via Reweighted Atomic Norm Minimization. <i>IEEE Transactions on Signal Processing</i> , 2016, 64, 995-1006.	5.6	198
31	Vandermonde Decomposition of Multilevel Toeplitz Matrices With Application to Multidimensional Super-Resolution. <i>IEEE Transactions on Information Theory</i> , 2016, 62, 3685-3701.	2.6	197
32	$H^\infty$ control and robust stabilization of two-dimensional systems in Roesser models. <i>Automatica</i> , 2001, 37, 205-211.	5.1	196
33	$H^\infty$ estimation for uncertain systems. <i>International Journal of Robust and Nonlinear Control</i> , 1992, 2, 87-105.	3.7	195
34	Augmented distributed gradient methods for multi-agent optimization under uncoordinated constant stepsizes. , 2015, , .		190
35	Synchronization of discrete-time multi-agent systems on graphs using Riccati design. <i>Automatica</i> , 2013, 49, 414-423.	5.1	189
36	Robust Kalman filtering for uncertain systems. <i>Systems and Control Letters</i> , 1994, 22, 123-129.	2.3	188

#	ARTICLE	IF	CITATIONS
37	On the discrete-time bounded real Lemma with application in the characterization of static state feedback controllers. <i>Systems and Control Letters</i> , 1992, 18, 61-71.	2.3	182
38	Exact Joint Sparse Frequency Recovery via Optimization Methods. <i>IEEE Transactions on Signal Processing</i> , 2016, 64, 5145-5157.	5.6	182
39	Ultra-Wideband and Odometry-Based Cooperative Relative Localization With Application to Multi-UAV Formation Control. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 2590-2603.	10.0	179
40	Robustly Stable Signal Recovery in Compressed Sensing With Structured Matrix Perturbation. <i>IEEE Transactions on Signal Processing</i> , 2012, 60, 4658-4671.	5.6	178
41	HVAC system optimization in-building section. <i>Energy and Buildings</i> , 2005, 37, 11-22.	6.7	177
42	Robust and adaptive variable structure output feedback control of uncertain systems with input nonlinearity. <i>Automatica</i> , 2008, 44, 552-559.	5.1	170
43	Design and analysis of discrete-time robust Kalman filters. <i>Automatica</i> , 2002, 38, 1069-1077.	5.1	163
44	A Robust Indoor Positioning System Based on the Procrustes Analysis and Weighted Extreme Learning Machine. <i>IEEE Transactions on Wireless Communications</i> , 2016, 15, 1252-1266.	10.1	163
45	F-LOAM : Fast LiDAR Odometry and Mapping. , 2021, , .		162
46	A Discretization-Free Sparse and Parametric Approach for Linear Array Signal Processing. <i>IEEE Transactions on Signal Processing</i> , 2014, 62, 4959-4973.	5.6	161
47	Minimum Data Rate for Mean Square Stabilizability of Linear Systems With Markovian Packet Losses. <i>IEEE Transactions on Automatic Control</i> , 2011, 56, 772-785.	5.9	160
48	TDOA-Based Source Localization With Distance-Dependent Noises. <i>IEEE Transactions on Wireless Communications</i> , 2015, 14, 468-480.	10.1	156
49	WinIPS: WiFi-Based Non-Intrusive Indoor Positioning System With Online Radio Map Construction and Adaptation. <i>IEEE Transactions on Wireless Communications</i> , 2017, 16, 8118-8130.	10.1	155
50	Intensity Scan Context: Coding Intensity and Geometry Relations for Loop Closure Detection. , 2020, , .		153
51	Sparse methods for direction-of-arrival estimation. , 2018, , 509-581.		152
52	A feedforward neural network based indoor-climate control framework for thermal comfort and energy saving in buildings. <i>Applied Energy</i> , 2019, 248, 44-53.	10.2	151
53	Off-Policy Reinforcement Learning for Synchronization in Multiagent Graphical Games. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 2434-2445.	12.5	148
54	Device-Free Occupant Activity Sensing Using WiFi-Enabled IoT Devices for Smart Homes. <i>IEEE Internet of Things Journal</i> , 2018, 5, 3991-4002.	9.2	148

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55	Continuous-time and sampled-data-based average consensus with logarithmic quantizers. <i>Automatica</i> , 2013, 49, 3329-3336.	5.1	146
56	Passivity analysis and passification for uncertain signal processing systems. <i>IEEE Transactions on Signal Processing</i> , 1998, 46, 2394-2403.	5.6	145
57	An input-based triggering approach to leader-following problems. <i>Automatica</i> , 2017, 75, 221-228.	5.1	145
58	Random forest based thermal comfort prediction from gender-specific physiological parameters using wearable sensing technology. <i>Energy and Buildings</i> , 2018, 166, 391-406.	6.7	144
59	Convergence of Asynchronous Distributed Gradient Methods Over Stochastic Networks. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 434-448.	5.9	143
60	Output tracking control of Boolean control networks via state feedback: Constant reference signal case. <i>Automatica</i> , 2015, 59, 54-59.	5.1	140
61	Multi-surface sliding control for fast finite-time leader-follower consensus with high order SISO uncertain nonlinear agents. <i>International Journal of Robust and Nonlinear Control</i> , 2014, 24, 2388-2404.	3.7	138
62	Stabilization of a class of uncertain large-scale stochastic systems with time delays. <i>Automatica</i> , 2000, 36, 161-167.	5.1	135
63	Stabilization of Markov jump linear systems using quantized state feedback. <i>Automatica</i> , 2010, 46, 1696-1702.	5.1	135
64	Distributed Coordination of Multi-Agent Systems With Quantized-Observer Based Encoding-Decoding. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 3023-3037.	5.9	134
65	Finite-Level Quantized Feedback Control for Linear Systems. <i>IEEE Transactions on Automatic Control</i> , 2009, 54, 1165-1170.	5.9	131
66	Thermal comfort prediction using normalized skin temperature in a uniform built environment. <i>Energy and Buildings</i> , 2018, 159, 426-440.	6.7	130
67	WinLight: A WiFi-based occupancy-driven lighting control system for smart building. <i>Energy and Buildings</i> , 2018, 158, 924-938.	6.7	129
68	Multiagent Information Fusion and Cooperative Control in Target Search. <i>IEEE Transactions on Control Systems Technology</i> , 2013, 21, 1223-1235.	5.4	128
69	Containment control of leader-following multi-agent systems with Markovian switching network topologies and measurement noises. <i>Automatica</i> , 2015, 51, 263-267.	5.1	126
70	Multiple observers based anti-disturbance control for a quadrotor UAV against payload and wind disturbances. <i>Control Engineering Practice</i> , 2020, 102, 104560.	5.7	126
71	Iterative Constrained Weighted Least Squares Source Localization Using TDOA and FDOA Measurements. <i>IEEE Transactions on Signal Processing</i> , 2017, 65, 3990-4003.	5.6	124
72	Linear quadratic regulation for linear time-varying systems with multiple input delays. <i>Automatica</i> , 2006, 42, 1465-1476.	5.1	123

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73	A Fast and Precise Indoor Localization Algorithm Based on an Online Sequential Extreme Learning Machine. <i>Sensors</i> , 2015, 15, 1804-1824.	3.9	122
74	Integrated Relative Localization and Leader-Follower Formation Control. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 20-34.	5.9	120
75	Nash Equilibrium Computation in Subnetwork Zero-Sum Games With Switching Communications. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 2920-2935.	5.9	119
76	A Novel Ensemble ELM for Human Activity Recognition Using Smartphone Sensors. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 2691-2699.	12.0	118
77	Distributed consensus over digital networks with limited bandwidth and time-varying topologies. <i>Automatica</i> , 2011, 47, 2006-2015.	5.1	117
78	WiFi Fingerprinting Indoor Localization Using Local Feature-Based Deep LSTM. <i>IEEE Systems Journal</i> , 2020, 14, 3001-3010.	4.9	117
79	Event-Triggered Communication and Data Rate Constraint for Distributed Optimization of Multiagent Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 1908-1919.	9.6	116
80	Distributed Projection-Based Algorithms for Source Localization in Wireless Sensor Networks. <i>IEEE Transactions on Wireless Communications</i> , 2015, 14, 3131-3142.	10.1	115
81	H/sub $\hat{z}$ / filtering of 2-D discrete systems. <i>IEEE Transactions on Signal Processing</i> , 2000, 48, 1760-1768.	5.6	114
82	A simplified modeling of cooling coils for control and optimization of HVAC systems. <i>Energy Conversion and Management</i> , 2004, 45, 2915-2930.	9.2	114
83	Dissipative control for linear discrete-time systems. <i>Automatica</i> , 1999, 35, 1557-1564.	5.1	112
84	Minimum Data Rate for Mean Square Stabilization of Discrete LTI Systems Over Lossy Channels. <i>IEEE Transactions on Automatic Control</i> , 2010, 55, 2373-2378.	5.9	112
85	Multilayer formation control of multi-agent systems. <i>Automatica</i> , 2019, 109, 108558.	5.1	112
86	Decentralized stabilization of a class of interconnected stochastic nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , 2000, 45, 132-137.	5.9	110
87	Distributed robust control of linear multi-agent systems with parameter uncertainties. <i>International Journal of Control</i> , 2012, 85, 1039-1050.	1.9	110
88	Accurate indoor localization and tracking using mobile phone inertial sensors, WiFi and iBeacon. , 2017, , .		109
89	HVAC system optimization of condenser water loop. <i>Energy Conversion and Management</i> , 2004, 45, 613-630.	9.2	107
90	Ultra-Wideband-Based Localization for Quadcopter Navigation. <i>Unmanned Systems</i> , 2016, 04, 23-34.	3.8	107

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91	Output Regulation of Boolean Control Networks. IEEE Transactions on Automatic Control, 2017, 62, 2993-2998.	5.9	107
92	Decentralized Multi-UAV Flight Autonomy for Moving Convoys Search and Track. IEEE Transactions on Control Systems Technology, 2017, 25, 1480-1487.	5.4	107
93	Global optimization for overall HVAC systemsâ€™â€™Part I problem formulation and analysis. Energy Conversion and Management, 2005, 46, 999-1014.	9.2	105
94	Quantized Leaderless and Leader-Following Consensus of High-Order Multi-Agent Systems With Limited Data Rate. IEEE Transactions on Automatic Control, 2016, 61, 2432-2447.	5.9	105
95	A Reorganized Innovation Approach to Linear Estimation. IEEE Transactions on Automatic Control, 2004, 49, 1810-1814.	5.9	103
96	Coordination of discrete-time multi-agent systems via relative output feedback. International Journal of Robust and Nonlinear Control, 2011, 21, 1587-1605.	3.7	100
97	On robust control invariance of Boolean control networks. Automatica, 2016, 68, 392-396.	5.1	100
98	Ultra-wideband based cooperative relative localization algorithm and experiments for multiple unmanned aerial vehicles in GPS denied environments. International Journal of Micro Air Vehicles, 2017, 9, 169-186.	1.2	98
99	Robust Extreme Learning Machine With its Application to Indoor Positioning. IEEE Transactions on Cybernetics, 2016, 46, 194-205.	10.0	97
100	Distributed Online Convex Optimization With Time-Varying Coupled Inequality Constraints. IEEE Transactions on Signal Processing, 2020, 68, 731-746.	5.6	96
101	H $\infty$ filtering for a class of uncertain nonlinear systems. Systems and Control Letters, 1993, 20, 419-426.	2.3	94
102	Synchronization of multi-agent systems with delayed control input information from neighbors. Automatica, 2011, 47, 2152-2164.	5.1	93
103	A survey on recent progress in control of swarm systems. Science China Information Sciences, 2017, 60, 1.	4.5	93
104	New approaches to robust minimum variance filter design. IEEE Transactions on Signal Processing, 2001, 49, 2620-2629.	5.6	92
105	H $\infty$ and Robust Control of 2-D Systems in FM Second Model. Multidimensional Systems and Signal Processing, 2002, 13, 265-287.	2.6	92
106	Infinite horizon stochastic $H_2$ control for discrete-time systems with state and disturbance dependent noise. Automatica, 2008, 44, 2306-2316.	5.1	92
107	BlueDetect: An iBeacon-Enabled Scheme for Accurate and Energy-Efficient Indoor-Outdoor Detection and Seamless Location-Based Service. Sensors, 2016, 16, 268.	3.9	92
108	Asynchronous periodic event-triggered consensus for multi-agent systems. Automatica, 2017, 84, 214-220.	5.1	92

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109	Guaranteed cost control of uncertain discrete systems with delays. <i>International Journal of Control</i> , 2000, 73, 105-114.	1.9	91
110	H <sub>2</sub> and mixed H <sub>2</sub> /H <sub>∞</sub> control of two-dimensional systems in Roesser model. <i>Automatica</i> , 2006, 42, 1507-1514.	5.1	91
111	Optimal Full-Order and Reduced-Order Estimators for Discrete-Time Systems With Multiple Packet Dropouts. <i>IEEE Transactions on Signal Processing</i> , 2008, 56, 4031-4038.	5.6	90
112	Learning Gestures From WiFi: A Siamese Recurrent Convolutional Architecture. <i>IEEE Internet of Things Journal</i> , 2019, 6, 10763-10772.	9.2	90
113	Robust dissipative control for linear systems with dissipative uncertainty. <i>International Journal of Control</i> , 1998, 70, 169-191.	1.9	88
114	An Efficient EM Algorithm for Energy-Based Multisource Localization in Wireless Sensor Networks. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2011, 60, 1017-1027.	4.7	88
115	Variational Bayesian Algorithm for Quantized Compressed Sensing. <i>IEEE Transactions on Signal Processing</i> , 2013, 61, 2815-2824.	5.6	88
116	Optimal Filtering for Systems With Multiple Packet Dropouts. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2008, 55, 695-699.	3.2	87
117	Kalman filtering over a packet-delaying network: A probabilistic approach. <i>Automatica</i> , 2009, 45, 2134-2140.	5.1	87
118	An efficient convex constrained weighted least squares source localization algorithm based on TDOA measurements. <i>Signal Processing</i> , 2016, 119, 142-152.	3.9	87
119	Non-intrusive occupancy sensing in commercial buildings. <i>Energy and Buildings</i> , 2017, 154, 633-643.	6.7	87
120	Input delay margin for consensusability of multi-agent systems. <i>Automatica</i> , 2013, 49, 1816-1820.	5.1	85
121	Event-Triggered Quantized Communication-Based Distributed Convex Optimization. <i>IEEE Transactions on Control of Network Systems</i> , 2018, 5, 167-178.	3.9	84
122	Active disturbance rejection control for uncertain time-delay nonlinear systems. <i>Automatica</i> , 2020, 112, 108692.	5.1	83
123	Stability analysis and design of reset systems: Theory and an application. <i>Automatica</i> , 2009, 45, 492-497.	5.1	82
124	Distributed Consensus for Multiagent Systems with Communication Delays and Limited Data Rate. <i>SIAM Journal on Control and Optimization</i> , 2011, 49, 2239-2262.	2.2	81
125	Robust finite-time connectivity preserving coordination of second-order multi-agent systems. <i>Automatica</i> , 2018, 89, 21-27.	5.1	80
126	Necessary and Sufficient Conditions for Leader-Following Bipartite Consensus With Measurement Noise. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 1976-1981.	9.6	80



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127	Robust Kalman Filtering for Discrete-Time Systems With Measurement Delay. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2007, 54, 522-526.	2.3	79
128	Invertibility and nonsingularity of Boolean control networks. Automatica, 2015, 60, 155-164.	5.1	77
129	Global optimization for overall HVAC systemsâ€™â€™Part II problem solution and simulations. Energy Conversion and Management, 2005, 46, 1015-1028.	9.2	76
130	Cooperative Search and Exploration in Robotic Networks. Unmanned Systems, 2013, 01, 121-142.	3.8	76
131	Convergence rate analysis of distributed optimization with projected subgradient algorithm. Automatica, 2017, 83, 162-169.	5.1	76
132	Range-Focused Fusion of Camera-IMU-UWB for Accurate and Drift-Reduced Localization. IEEE Robotics and Automation Letters, 2021, 6, 1678-1685.	5.2	76
133	An innovation approach to $H^\infty$ prediction for continuous-time systems with application to systems with delayed measurements*1. Automatica, 2004, 40, 1253-1261.	5.1	75
134	Machine learning driven personal comfort prediction by wearable sensing of pulse rate and skin temperature. Building and Environment, 2020, 170, 106615.	7.0	74
135	Robust control for linear time-invariant systems with norm-bounded uncertainty in the input matrix. Systems and Control Letters, 1990, 14, 389-396.	2.3	72
136	Kalman Filtering With Scheduled Measurements. IEEE Transactions on Signal Processing, 2013, 61, 1520-1530.	5.6	72
137	Distributed consensus of discrete-time multi-agent systems with multiplicative noises. International Journal of Robust and Nonlinear Control, 2015, 25, 3113-3131.	3.7	71
138	FreeCount: Device-Free Crowd Counting with Commodity WiFi. , 2017, , .		71
139	DeepSense: Device-Free Human Activity Recognition via Autoencoder Long-Term Recurrent Convolutional Network. , 2018, , .		71
140	$H^\infty$ filtering for linear periodic systems with parameter uncertainty. Systems and Control Letters, 1991, 17, 343-350.	2.3	70
141	Robust filtering for 2-D discrete-time linear systems with convex-bounded parameter uncertainty. Automatica, 2010, 46, 673-681.	5.1	70
142	Distributed $L_2$ -gain output-feedback control of homogeneous and heterogeneous systems. Automatica, 2016, 71, 361-368.	5.1	68
143	Output-feedback protocols without controller interaction for consensus of homogeneous multi-agent systems: A unified robust control view. Automatica, 2017, 81, 37-45.	5.1	68
144	On stabilization and set stabilization of multivalued logical systems. Automatica, 2017, 80, 41-47.	5.1	68

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145	Stability of a Random Riccati Equation With Markovian Binary Switching. IEEE Transactions on Automatic Control, 2008, 53, 1759-1764.	5.9	66
146	Event-Triggered Output Regulation of Heterogeneous Multiagent Networks. IEEE Transactions on Automatic Control, 2018, 63, 4429-4434.	5.9	66
147	Adversarial Learning-Enabled Automatic WiFi Indoor Radio Map Construction and Adaptation With Mobile Robot. IEEE Internet of Things Journal, 2020, 7, 6946-6954.	9.2	65
148	Robust filtering for a class of discrete-time uncertain nonlinear systems: AnH $\hat{\alpha}$ approach. International Journal of Robust and Nonlinear Control, 1996, 6, 297-312.	3.7	64
149	Distributed Continuous-Time Algorithms for Nonsmooth Extended Monotropic Optimization Problems. SIAM Journal on Control and Optimization, 2018, 56, 3973-3993.	2.2	64
150	Distributed Online Optimization for Multi-Agent Networks With Coupled Inequality Constraints. IEEE Transactions on Automatic Control, 2021, 66, 3575-3591.	5.9	64
151	$H_{\infty}$ Control of Discrete-Time Systems With Multiple Input Delays. IEEE Transactions on Automatic Control, 2007, 52, 271-283.	5.9	63
152	Kalman filtering over unreliable communication networks with bounded Markovian packet dropouts. International Journal of Robust and Nonlinear Control, 2009, 19, 1770-1786.	3.7	63
153	Stability Analysis of Networked Sampled-Data Linear Systems With Markovian Packet Losses. IEEE Transactions on Automatic Control, 2009, 54, 1375-1381.	5.9	63
154	Disturbance decoupling control design for switched Boolean control networks. Systems and Control Letters, 2014, 72, 1-6.	2.3	63
155	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	63
156	Interval Stability and Stabilization of Linear Stochastic Systems. IEEE Transactions on Automatic Control, 2009, 54, 810-815.	5.9	62
157	Quantized feedback control for linear uncertain systems. International Journal of Robust and Nonlinear Control, 2010, 20, 843-857.	3.7	62
158	Controllability of Multiagent Networks With Antagonistic Interactions. IEEE Transactions on Automatic Control, 2017, 62, 5457-5462.	5.9	62
159	Cooperative P2P Energy Trading in Active Distribution Networks: An MILP-Based Nash Bargaining Solution. IEEE Transactions on Smart Grid, 2020, , 1-1.	9.6	62
160	A blind deconvolution approach to ultrasound imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 271-280.	3.1	61
161	Robust consensus of uncertain linear multi-agent systems via dynamic output feedback. Automatica, 2018, 98, 114-123.	5.1	61
162	NTU VIRAL: A visual-inertial-ranging-lidar dataset, from an aerial vehicle viewpoint. International Journal of Robotics Research, 2022, 41, 270-280.	8.7	61

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163	Generalized Two-Dimensional Kalmanâ€“Yakubovichâ€“Popov Lemma for Discrete Roesser Model. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 3223-3233.	5.8	60
164	Optimality Analysis of Sensor-Source Geometries in Heterogeneous Sensor Networks. IEEE Transactions on Wireless Communications, 2013, 12, 1958-1967.	10.1	60
165	Ultra-wideband aided fast localization and mapping system. , 2017, , .		60
166	H $\hat{z}$ deconvolution filtering of 2-d digital systems. IEEE Transactions on Signal Processing, 2002, 50, 2319-2332.	5.6	59
167	A new extended state observer for uncertain nonlinear systems. Automatica, 2021, 131, 109772.	5.1	59
168	Multi-Agent Cooperative Target Search. Sensors, 2014, 14, 9408-9428.	3.9	58
169	Multimodal CSI-Based Human Activity Recognition Using GANs. IEEE Internet of Things Journal, 2021, 8, 17345-17355.	9.2	58
170	A Unified Strategy for Solution Seeking in Graphical $N$ -Coalition Noncooperative Games. IEEE Transactions on Automatic Control, 2019, 64, 4645-4652.	5.9	57
171	Optimal TDOA Sensor-Pair Placement With Uncertainty in Source Location. IEEE Transactions on Vehicular Technology, 2016, 65, 9260-9271.	6.7	56
172	Intensity-SLAM: Intensity Assisted Localization and Mapping for Large Scale Environment. IEEE Robotics and Automation Letters, 2021, 6, 1715-1721.	5.2	56
173	Robust MPC for polytopic uncertain systems with time-varying delays. International Journal of Control, 2008, 81, 1239-1252.	1.9	55
174	Robust control of discrete time uncertain dynamical systems. Automatica, 1993, 29, 1133-1137.	5.1	54
175	Adaptive Localization in Dynamic Indoor Environments by Transfer Kernel Learning. , 2017, , .		54
176	Received Signal Strength Based Indoor Positioning Using a Random Vector Functional Link Network. IEEE Transactions on Industrial Informatics, 2018, 14, 1846-1855.	12.0	54
177	Consensus of multi-agent systems with general linear dynamics via dynamic output feedback control. IET Control Theory and Applications, 2013, 7, 108-115.	2.2	53
178	Consensusability of Discrete-Time Multiagent Systems With Communication Delay and Packet Dropouts. IEEE Transactions on Automatic Control, 2019, 64, 1185-1192.	5.9	53
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