# Lihua Xie

List of Publications by Year
in descending order

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

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Output feedback Hâˇž control of systems with parameter uncertainty. International Journal of Control, 1996, 63, 741-750. | 1.9 | 1,466 |
| 2 | Robust control of a class of uncertain nonlinear systems. Systems and Control Letters, 1992, 19, 139-149. | 2.3 | 1,352 |
| 3 | The sector bound approach to quantized feedback control. IEEE Transactions on Automatic Control, 2005, 50, 1698-1711. | 5.7 | 1,326 |
| 4 | Robust Finite-Time Consensus Tracking Algorithm for Multirobot Systems. IEEE/ASME Transactions on Mechatronics, 2009, 14, 219-228. | 5.8 | 735 |
| 5 | Further Improvement of Free-Weighting Matrices Technique for Systems With Time-Varying Delay. IEEE Transactions on Automatic Control, 2007, 52, 293-299. | 5.7 | 687 |
| 6 | Off-Grid Direction of Arrival Estimation Using Sparse Bayesian Inference. IEEE Transactions on Signal Processing, 2013, 61, 38-43. | 5.3 | 653 |
| 7 | Distributed consensus of linear multi-agent systems with adaptive dynamic protocols. Automatica, 2013, 49, 1986-1995. | 5.0 | 531 |
| 8 | H/sub infinity / control and quadratic stabilization of systems with parameter uncertainty via output feedback. IEEE Transactions on Automatic Control, 1992, 37, 1253-1256. | 5.7 | 508 |
| 9 | Network Topology and Communication Data Rate for Consensusability of Discrete-Time Multi-Agent Systems. IEEE Transactions on Automatic Control, 2011, 56, 2262-2275. | 5.7 | 489 |
| 10 | Robust Kalman filtering for uncertain discrete-time systems. IEEE Transactions on Automatic Control, 1994, 39, 1310-1314. | 5.7 | 468 |
| 11 | 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 |
| 12 | Distributed Consensus With Limited Communication Data Rate. IEEE Transactions on Automatic Control, 2011, 56, 279-292. | 5.7 | 447 |
| 13 | Improved robust H2 and Hâˇž filtering for uncertain discrete-time systems. Automatica, 2004, 40, 873-880. | 5.0 | 344 |
| 14 | Fusion of WiFi, Smartphone Sensors and Landmarks Using the Kalman Filter for Indoor Localization. Sensors, 2015, 15, 715-732. | 3.8 | 321 |
| 15 | Nonfragile Distributed Filtering for Tâ€"S Fuzzy Systems in Sensor Networks. IEEE Transactions on Fuzzy Systems, 2015, 23, 1883-1890. | 9.8 | 302 |
| 16 | New approach to mixed H/sub 2//H/sub /spl infin// filtering for polytopic discrete-time systems. IEEE Transactions on Signal Processing, 2005, 53, 3183-3192. | 5.3 | 294 |
| 17 | Optimal linear estimation for systems with multiple packet dropouts. Automatica, 2008, 44, 1333-1342. | 5.0 | 287 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Consensus condition for linear multi-agent systems over randomly switching topologies. Automatica, 2013, 49, 3125-3132. | 5.0 | 238 |
| 20 | Finite-time distributed consensus via binary control protocols. Automatica, 2011, 47, 1962-1968. | 5.0 | 236 |
| 21 | On Gridless Sparse Methods for Line Spectral Estimation From Complete and Incomplete Data. IEEE Transactions on Signal Processing, 2015, 63, 3139-3153. | 5.3 | 231 |
| 22 | Feedback Stabilization of Discrete-Time Networked Systems Over Fading Channels. IEEE Transactions on Automatic Control, 2012, 57, 2176-2189. | 5.7 | 229 |
| 23 | Distributed consensus for multi-agent systems with delays and noises in transmission channels. Automatica, 2011, 47, 920-934. | 5.0 | 228 |
| 24 | $H_\infty$ estimation for discrete-time linear uncertain systems. International Journal of Robust and Nonlinear Control, 1991, 1, 111-123. | 3.7 | 208 |
| 25 | Diffusion Kalman Filtering Based on Covariance Intersection. IEEE Transactions on Signal Processing, 2012, 60, 891-902. | 5.3 | 205 |
| 26 | Energy-Efficient Distributed Adaptive Multisensor Scheduling for Target Tracking in Wireless Sensor Networks. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 1886-1896. | 4.7 | 202 |
| 27 | Mean square stability for Kalman filtering with Markovian packet losses. Automatica, 2011, 47, 2647-2657. | 5.0 | 197 |
| 28 | 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 |
| 29 | $H_\infty$ estimation for uncertain systems. International Journal of Robust and Nonlinear Control, 1992, 2, 87-105. | 3.7 | 195 |
| 30 | Distributed constrained optimal consensus of multi-agent systems. Automatica, 2016, 68, 209-215. | 5.0 | 195 |
| 31 | $H_\infty$ control and robust stabilization of two-dimensional systems in Roesser models. Automatica, 2001, 37, 205-211. | 5.0 | 194 |
| 32 | Robust H/sub $\infty$/ control of distributed delay systems with application to combustion control. IEEE Transactions on Automatic Control, 2001, 46, 1930-1935. | 5.7 | 192 |
| 33 | 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 |
| 34 | Building occupancy estimation and detection: A review. Energy and Buildings, 2018, 169, 260-270. | 6.7 | 186 |
| 35 | Robust Kalman filtering for uncertain systems. Systems and Control Letters, 1994, 22, 123-129. | 2.3 | 185 |
| 36 | Synchronization of discrete-time multi-agent systems on graphs using Riccati design. Automatica, 2013, 49, 414-423. | 5.0 | 183 |

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| 37 | Vandermonde Decomposition of Multilevel Toeplitz Matrices With Application to Multidimensional Super-Resolution. IEEE Transactions on Information Theory, 2016, 62, 3685-3701. | 2.4 | 182 |
| 38 | On the discrete-time bounded real Lemma with application in the characterization of static state feedback controllers. Systems and Control Letters, 1992, 18, 61-71. | 2.3 | 180 |
| 39 | Robust H/sub âˆž/ filtering of linear systems with time-varying delay. IEEE Transactions on Automatic Control, 2003, 48, 159-165. | 5.7 | 179 |
| 40 | Enhancing Sparsity and Resolution via Reweighted Atomic Norm Minimization. IEEE Transactions on Signal Processing, 2016, 64, 995-1006. | 5.3 | 179 |
| 41 | Augmented distributed gradient methods for multi-agent optimization under uncoordinated constant stepsizes. , 2015, , . | | 177 |
| 42 | Robustly Stable Signal Recovery in Compressed Sensing With Structured Matrix Perturbation. IEEE Transactions on Signal Processing, 2012, 60, 4658-4671. | 5.3 | 176 |
| 43 | HVAC system optimizationâ€"in-building section. Energy and Buildings, 2005, 37, 11-22. | 6.7 | 175 |
| 44 | Robust and adaptive variable structure output feedback control of uncertain systems with input nonlinearity. Automatica, 2008, 44, 552-559. | 5.0 | 169 |
| 45 | Exact Joint Sparse Frequency Recovery via Optimization Methods. IEEE Transactions on Signal Processing, 2016, 64, 5145-5157. | 5.3 | 169 |
| 46 | Design and analysis of discrete-time robust Kalman filters. Automatica, 2002, 38, 1069-1077. | 5.0 | 162 |
| 47 | A Robust Indoor Positioning System Based on the Procrustes Analysis and Weighted Extreme Learning Machine. IEEE Transactions on Wireless Communications, 2016, 15, 1252-1266. | 9.2 | 159 |
| 48 | Minimum Data Rate for Mean Square Stabilizability of Linear Systems With Markovian Packet Losses. IEEE Transactions on Automatic Control, 2011, 56, 772-785. | 5.7 | 158 |
| 49 | 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 |
| 50 | A Discretization-Free Sparse and Parametric Approach for Linear Array Signal Processing. IEEE Transactions on Signal Processing, 2014, 62, 4959-4973. | 5.3 | 150 |
| 51 | TDOA-Based Source Localization With Distance-Dependent Noises. IEEE Transactions on Wireless Communications, 2015, 14, 468-480. | 9.2 | 149 |
| 52 | WinIPS: WiFi-Based Non-Intrusive Indoor Positioning System With Online Radio Map Construction and Adaptation. IEEE Transactions on Wireless Communications, 2017, 16, 8118-8130. | 9.2 | 147 |
| 53 | Passivity analysis and passification for uncertain signal processing systems. IEEE Transactions on Signal Processing, 1998, 46, 2394-2403. | 5.3 | 144 |
| 54 | Continuous-time and sampled-data-based average consensus with logarithmic quantizers. Automatica, 2013, 49, 3329-3336. | 5.0 | 142 |

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| 55 | An input-based triggering approach to leader-following problems. Automatica, 2017, 75, 221-228. | 5.0 | 142 |
| 56 | Off-Policy Reinforcement Learning for Synchronization in Multiagent Graphical Games. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2434-2445. | 11.3 | 140 |
| 57 | Output tracking control of Boolean control networks via state feedback: Constant reference signal case. Automatica, 2015, 59, 54-59. | 5.0 | 139 |
| 58 | Stabilization of a class of uncertain large-scale stochastic systems with time delays. Automatica, 2000, 36, 161-167. | 5.0 | 135 |
| 59 | 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 |
| 60 | Device-Free Occupant Activity Sensing Using WiFi-Enabled IoT Devices for Smart Homes. IEEE Internet of Things Journal, 2018, 5, 3991-4002. | 8.7 | 134 |
| 61 | Multi-surface sliding control for fast finite-time leader-follower consensus with high order SISO uncertain nonlinear agents. International Journal of Robust and Nonlinear Control, 2014, 24, 2388-2404. | 3.7 | 133 |
| 62 | Stabilization of Markov jump linear systems using quantized state feedback. Automatica, 2010, 46, 1696-1702. | 5.0 | 132 |
| 63 | Convergence of Asynchronous Distributed Gradient Methods Over Stochastic Networks. IEEE Transactions on Automatic Control, 2018, 63, 434-448. | 5.7 | 131 |
| 64 | Finite-Level Quantized Feedback Control for Linear Systems. IEEE Transactions on Automatic Control, 2009, 54, 1165-1170. | 5.7 | 130 |
| 65 | 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 |
| 66 | Sparse methods for direction-of-arrival estimation. , 2018, , 509-581. | | 127 |
| 67 | Intensity Scan Context: Coding Intensity and Geometry Relations for Loop Closure Detection. , 2020, , . | | 125 |
| 68 | Distributed Coordination of Multi-Agent Systems With Quantized-Observer Based Encoding-Decoding. IEEE Transactions on Automatic Control, 2012, 57, 3023-3037. | 5.7 | 123 |
| 69 | H/sub infinity / analysis and synthesis of discrete-time systems with time-varying uncertainty. IEEE Transactions on Automatic Control, 1993, 38, 459-462. | 5.7 | 122 |
| 70 | A Fast and Precise Indoor Localization Algorithm Based on an Online Sequential Extreme Learning Machine. Sensors, 2015, 15, 1804-1824. | 3.8 | 122 |
| 71 | WinLight: A WiFi-based occupancy-driven lighting control system for smart building. Energy and Buildings, 2018, 158, 924-938. | 6.7 | 121 |
| 72 | Linear quadratic regulation for linear time-varying systems with multiple input delays. Automatica, 2006, 42, 1465-1476. | 5.0 | 120 |

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| 73 | Multiagent Information Fusion and Cooperative Control in Target Search. IEEE Transactions on Control Systems Technology, 2013, 21, 1223-1235. | 5.2 | 119 |
| 74 | Containment control of leader-following multi-agent systems with Markovian switching network topologies and measurement noises. Automatica, 2015, 51, 263-267. | 5.0 | 118 |
| 75 | Thermal comfort prediction using normalized skin temperature in a uniform built environment. Energy and Buildings, 2018, 159, 426-440. | 6.7 | 115 |
| 76 | F-LOAM : Fast LiDAR Odometry and Mapping. , 2021, , . | | 115 |
| 77 | H/sub â°ž/ filtering of 2-D discrete systems. IEEE Transactions on Signal Processing, 2000, 48, 1760-1768. | 5.3 | 114 |
| 78 | Iterative Constrained Weighted Least Squares Source Localization Using TDOA and FDOA Measurements. IEEE Transactions on Signal Processing, 2017, 65, 3990-4003. | 5.3 | 114 |
| 79 | A simplified modeling of cooling coils for control and optimization of HVAC systems. Energy Conversion and Management, 2004, 45, 2915-2930. | 9.2 | 111 |
| 80 | Distributed Projection-Based Algorithms for Source Localization in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2015, 14, 3131-3142. | 9.2 | 111 |
| 81 | Integrated Relative Localization and Leaderâ€"Follower Formation Control. IEEE Transactions on Automatic Control, 2019, 64, 20-34. | 5.7 | 111 |
| 82 | A Novel Ensemble ELM for Human Activity Recognition Using Smartphone Sensors. IEEE Transactions on Industrial Informatics, 2019, 15, 2691-2699. | 11.3 | 110 |
| 83 | Dissipative control for linear discrete-time systems. Automatica, 1999, 35, 1557-1564. | 5.0 | 109 |
| 84 | Minimum Data Rate for Mean Square Stabilization of Discrete LTI Systems Over Lossy Channels. IEEE Transactions on Automatic Control, 2010, 55, 2373-2378. | 5.7 | 109 |
| 85 | Distributed consensus over digital networks with limited bandwidth and time-varying topologies. Automatica, 2011, 47, 2006-2015. | 5.0 | 109 |
| 86 | Decentralized stabilization of a class of interconnected stochastic nonlinear systems. IEEE Transactions on Automatic Control, 2000, 45, 132-137. | 5.7 | 108 |
| 87 | Nash Equilibrium Computation in Subnetwork Zero-Sum Games With Switching Communications. IEEE Transactions on Automatic Control, 2016, 61, 2920-2935. | 5.7 | 108 |
| 88 | Distributed robust control of linear multi-agent systems with parameter uncertainties. International Journal of Control, 2012, 85, 1039-1050. | 1.9 | 107 |
| 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 | 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 |

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| 91 | Ultra-Wideband-Based Localization for Quadcopter Navigation. Unmanned Systems, 2016, 04, 23-34. | 3.6 | 103 |
| 92 | Multilayer formation control of multi-agent systems. Automatica, 2019, 109, 108558. | 5.0 | 103 |
| 93 | HVAC system optimizationâ€"â€"condenser water loop. Energy Conversion and Management, 2004, 45, 613-630. | 9.2 | 102 |
| 94 | A Reorganized Innovation Approach to Linear Estimation. IEEE Transactions on Automatic Control, 2004, 49, 1810-1814. | 5.7 | 102 |
| 95 | Output Regulation of Boolean Control Networks. IEEE Transactions on Automatic Control, 2017, 62, 2993-2998. | 5.7 | 102 |
| 96 | WiFi Fingerprinting Indoor Localization Using Local Feature-Based Deep LSTM. IEEE Systems Journal, 2020, 14, 3001-3010. | 4.6 | 102 |
| 97 | Global optimization for overall HVAC systemsâ€"â€"Part I problem formulation and analysis. Energy Conversion and Management, 2005, 46, 999-1014. | 9.2 | 100 |
| 98 | 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. | 5.7 | 100 |
| 99 | Decentralized Multi-UAV Flight Autonomy for Moving Convoys Search and Track. IEEE Transactions on Control Systems Technology, 2017, 25, 1480-1487. | 5.2 | 100 |
| 100 | Coordination of discreteâ€time multiâ€agent systems via relative output feedback. International Journal of Robust and Nonlinear Control, 2011, 21, 1587-1605. | 3.7 | 99 |
| 101 | On robust control invariance of Boolean control networks. Automatica, 2016, 68, 392-396. | 5.0 | 98 |
| 102 | Robust Extreme Learning Machine With its Application to Indoor Positioning. IEEE Transactions on Cybernetics, 2016, 46, 194-205. | 9.5 | 97 |
| 103 | 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. | 1.3 | 96 |
| 104 | Hâˆž filtering for a class of uncertain nonlinear systems. Systems and Control Letters, 1993, 20, 419-426. | 2.3 | 94 |
| 105 | Accurate indoor localization and tracking using mobile phone inertial sensors, WiFi and iBeacon. , 2017, , . | | 93 |
| 106 | New approaches to robust minimum variance filter design. IEEE Transactions on Signal Processing, 2001, 49, 2620-2629. | 5.3 | 92 |
| 107 | Synchronization of multi-agent systems with delayed control input information from neighbors. Automatica, 2011, 47, 2152-2164. | 5.0 | 92 |
| 108 | Guaranteed cost control of uncertain discrete systems with delays. International Journal of Control, 2000, 73, 105-114. | 1.9 | 91 |

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| 109 | H â˜ž and Robust Control of 2-D Systems in FM Second Model. Multidimensional Systems and Signal Processing, 2002, 13, 265-287. | 2.6 | 90 |
| 110 | H2 and mixed H2/Hâ˜ž control of two-dimensional systems in Roesser model. Automatica, 2006, 42, 1507-1514. | 5.0 | 90 |
| 111 | Infinite horizon stochastic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML altimg="si5.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub> control for discrete-time systems with state and disturbance dependent noise. Automatica, 2008, 44, 2306-2316. | 5.0 | 90 |
| 112 | Optimal Full-Order and Reduced-Order Estimators for Discrete-Time Systems With Multiple Packet Dropouts. IEEE Transactions on Signal Processing, 2008, 56, 4031-4038. | 5.3 | 90 |
| 113 | BlueDetect: An iBeacon-Enabled Scheme for Accurate and Energy-Efficient Indoor-Outdoor Detection and Seamless Location-Based Service. Sensors, 2016, 16, 268. | 3.8 | 90 |
| 114 | An Efficient EM Algorithm for Energy-Based Multisource Localization in Wireless Sensor Networks. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1017-1027. | 4.7 | 88 |
| 115 | Asynchronous periodic event-triggered consensus for multi-agent systems. Automatica, 2017, 84, 214-220. | 5.0 | 88 |
| 116 | A survey on recent progress in control of swarm systems. Science China Information Sciences, 2017, 60, 1. | 4.3 | 88 |
| 117 | Variational Bayesian Algorithm for Quantized Compressed Sensing. IEEE Transactions on Signal Processing, 2013, 61, 2815-2824. | 5.3 | 87 |
| 118 | Robust dissipative control for linear systems with dissipative uncertainty. International Journal of Control, 1998, 70, 169-191. | 1.9 | 86 |
| 119 | Optimal Filtering for Systems With Multiple Packet Dropouts. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 695-699. | 3.0 | 86 |
| 120 | A new coordinated control strategy for boiler-turbine system of coal-fired power plant. IEEE Transactions on Control Systems Technology, 2005, 13, 943-954. | 5.2 | 85 |
| 121 | An efficient convex constrained weighted least squares source localization algorithm based on TDOA measurements. Signal Processing, 2016, 119, 142-152. | 3.7 | 85 |
| 122 | Kalman filtering over a packet-delaying network: A probabilistic approach. Automatica, 2009, 45, 2134-2140. | 5.0 | 84 |
| 123 | Learning Gestures From WiFi: A Siamese Recurrent Convolutional Architecture. IEEE Internet of Things Journal, 2019, 6, 10763-10772. | 8.7 | 83 |
| 124 | Stability analysis and design of reset systems: Theory and an application. Automatica, 2009, 45, 492-497. | 5.0 | 82 |
| 125 | Non-intrusive occupancy sensing in commercial buildings. Energy and Buildings, 2017, 154, 633-643. | 6.7 | 82 |
| 126 | Distributed Online Convex Optimization With Time-Varying Coupled Inequality Constraints. IEEE Transactions on Signal Processing, 2020, 68, 731-746. | 5.3 | 82 |

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|---|---|---|---|
| 127 | Input delay margin for consensusability of multi-agent systems. Automatica, 2013, 49, 1816-1820. | 5.0 | 80 |
| 128 | Robust Kalman Filtering for Discrete-Time Systems With Measurement Delay. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2007, 54, 522-526. | 2.2 | 79 |
| 129 | Distributed Consensus for Multiagent Systems with Communication Delays and Limited Data Rate. SIAM Journal on Control and Optimization, 2011, 49, 2239-2262. | 2.1 | 79 |
| 130 | Cooperative Search and Exploration in Robotic Networks. Unmanned Systems, 2013, 01, 121-142. | 3.6 | 76 |
| 131 | Invertibility and nonsingularity of Boolean control networks. Automatica, 2015, 60, 155-164. | 5.0 | 76 |
| 132 | An innovation approach to H$infin; prediction for continuous-time systems with application to systems with delayed measurements*1. Automatica, 2004, 40, 1253-1261. | 5.0 | 75 |
| 133 | Robust finite-time connectivity preserving coordination of second-order multi-agent systems. Automatica, 2018, 89, 21-27. | 5.0 | 75 |
| 134 | Event-Triggered Quantized Communication-Based Distributed Convex Optimization. IEEE Transactions on Control of Network Systems, 2018, 5, 167-178. | 3.7 | 74 |
| 135 | Global optimization for overall HVAC systems––Part II problem solution and simulations. Energy Conversion and Management, 2005, 46, 1015-1028. | 9.2 | 73 |
| 136 | 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 |
| 137 | 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 |
| 138 | Hâˆž filtering for linear periodic systems with parameter uncertainty. Systems and Control Letters, 1991, 17, 343-350. | 2.3 | 70 |
| 139 | Active disturbance rejection control for uncertain time-delay nonlinear systems. Automatica, 2020, 112, 108692. | 5.0 | 70 |
| 140 | Kalman Filtering With Scheduled Measurements. IEEE Transactions on Signal Processing, 2013, 61, 1520-1530. | 5.3 | 69 |
| 141 | Robust filtering for 2-D discrete-time linear systems with convex-bounded parameter uncertainty. Automatica, 2010, 46, 673-681. | 5.0 | 68 |
| 142 | Distributed consensus of discrete‐time multi‐agent systems with multiplicative noises. International Journal of Robust and Nonlinear Control, 2015, 25, 3113-3131. | 3.7 | 68 |
| 143 | Distributed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="script">L</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>-gain output-feedback control of homogeneous and heterogeneous systems. Automatica, 2016, 71, 361-368. | 5.0 | 68 |
| 144 | Convergence rate analysis of distributed optimization with projected subgradient algorithm. Automatica, 2017, 83, 162-169. | 5.0 | 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. | 5.7 | 66 |
| 146 | On stabilization and set stabilization of multivalued logical systems. Automatica, 2017, 80, 41-47. | 5.0 | 66 |
| 147 | Robust filtering for a class of discrete-time uncertain nonlinear systems: An $H_\infty$ approach. International Journal of Robust and Nonlinear Control, 1996, 6, 297-312. | 3.7 | 64 |
| 148 | $H_{\infty}$ Control of Discrete-Time Systems With Multiple Input Delays. IEEE Transactions on Automatic Control, 2007, 52, 271-283. | 5.7 | 63 |
| 149 | Parameterization of all stabilizing <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mo>∞</mml:mo></mml:mrow> static state-feedback gains: Application to output-feedback design. Automatica, 2007, 43, 1597-1604. | 5.0 | 63 |
| 150 | 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 |
| 151 | FreeCount: Device-Free Crowd Counting with Commodity WiFi. , 2017, , . | | 63 |
| 152 | Stability of continuous-time positive switched linear systems: A weak common copositive Lyapunov functions approach. Automatica, 2018, 97, 278-285. | 5.0 | 63 |
| 153 | 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 |
| 154 | Stability Analysis of Networked Sampled-Data Linear Systems With Markovian Packet Losses. IEEE Transactions on Automatic Control, 2009, 54, 1375-1381. | 5.7 | 62 |
| 155 | Quantized feedback control for linear uncertain systems. International Journal of Robust and Nonlinear Control, 2010, 20, 843-857. | 3.7 | 62 |
| 156 | Output-feedback protocols without controller interaction for consensus of homogeneous multi-agent systems: A unified robust control view. Automatica, 2017, 81, 37-45. | 5.0 | 62 |
| 157 | Event-Triggered Output Regulation of Heterogeneous Multiagent Networks. IEEE Transactions on Automatic Control, 2018, 63, 4429-4434. | 5.7 | 62 |
| 158 | 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 |
| 159 | Machine learning driven personal comfort prediction by wearable sensing of pulse rate and skin temperature. Building and Environment, 2020, 170, 106615. | 6.9 | 62 |
| 160 | A blind deconvolution approach to ultrasound imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 271-280. | 3.0 | 61 |
| 161 | Disturbance decoupling control design for switched Boolean control networks. Systems and Control Letters, 2014, 72, 1-6. | 2.3 | 61 |
| 162 | Interval Stability and Stabilization of Linear Stochastic Systems. IEEE Transactions on Automatic Control, 2009, 54, 810-815. | 5.7 | 60 |

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| 163 | DeepSense: Device-Free Human Activity Recognition via Autoencoder Long-Term Recurrent Convolutional Network. , 2018, , . | | 60 |
| 164 | Generalized Two-Dimensional Kalmanâ€"Yakubovichâ€"Popov Lemma for Discrete Roesser Model. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 3223-3233. | 5.4 | 59 |
| 165 | Optimality Analysis of Sensor-Source Geometries in Heterogeneous Sensor Networks. IEEE Transactions on Wireless Communications, 2013, 12, 1958-1967. | 9.2 | 59 |
| 166 | Distributed Continuous-Time Algorithms for Nonsmooth Extended Monotropic Optimization Problems. SIAM Journal on Control and Optimization, 2018, 56, 3973-3993. | 2.1 | 59 |
| 167 | Hâˆž deconvolution filtering of 2-d digital systems. IEEE Transactions on Signal Processing, 2002, 50, 2319-2332. | 5.3 | 58 |
| 168 | Robust consensus of uncertain linear multi-agent systems via dynamic output feedback. Automatica, 2018, 98, 114-123. | 5.0 | 57 |
| 169 | Multi-Agent Cooperative Target Search. Sensors, 2014, 14, 9408-9428. | 3.8 | 56 |
| 170 | Controllability of Multiagent Networks With Antagonistic Interactions. IEEE Transactions on Automatic Control, 2017, 62, 5457-5462. | 5.7 | 56 |
| 171 | A Unified Strategy for Solution Seeking in Graphical $N$-Coalition Noncooperative Games. IEEE Transactions on Automatic Control, 2019, 64, 4645-4652. | 5.7 | 56 |
| 172 | Robust MPC for polytopic uncertain systems with time-varying delays. International Journal of Control, 2008, 81, 1239-1252. | 1.9 | 55 |
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