

# Luigi Chisci

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

2,230  
citations

331670

21  
h-index

223800

46  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1420  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Event-Triggered Consensus LMB Filter for Distributed Multitarget Tracking. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 712-719.                                       | 4.7  | 1         |
| 2  | Unknown source in spatially distributed systems: Identifiability analysis and estimation. Automatica, 2022, 136, 110025.   | 5.0  | 2         |
| 3  | Multi-Agent Fusion With Different Limited Fields-of-View. IEEE Transactions on Signal Processing, 2022, 70, 1560-1575.   | 5.3  | 10        |
| 4  | Distributed joint target detection, tracking and classification via Bernoulli filter. IET Radar, Sonar and Navigation, 2022, 16, 1000-1013.  | 1.8  | 3         |
| 5  | Consensus variational Bayesian moving horizon estimation for distributed sensor networks with unknown noise covariances. Signal Processing, 2022, 198, 108571.                             | 3.7  | 2         |
| 6  | A variational Bayes moving horizon estimation adaptive filter with guaranteed stability. Automatica, 2022, 142, 110374.  | 5.0  | 1         |
| 7  | Fusion of Labeled RFS Densities With Different Fields of View. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 5908-5924.   | 4.7  | 6         |
| 8  | An Event-Triggered Hybrid Consensus Filter for Distributed Sensor Network. IEEE Signal Processing Letters, 2022, 29, 1472-1476.  | 3.6  | 1         |
| 9  | An adaptive variational Bayesian filter for nonlinear multi-sensor systems with unknown noise statistics. Signal Processing, 2021, 179, 107837.  | 3.7  | 26        |
| 10 | Centralized Cooperative Sensor Fusion for Dynamic Sensor Network With Limited Field-of-View via Labeled Multi-Bernoulli Filter. IEEE Transactions on Signal Processing, 2021, 69, 878-891. | 5.3  | 25        |
| 11 | An Adaptive Consensus Filter for Distributed State Estimation With Unknown Noise Statistics. IEEE Signal Processing Letters, 2021, 28, 1595-1599.  | 3.6  | 10        |
| 12 | PHD-SLAM 2.0: Efficient SLAM in the Presence of Missdetections and Clutter. IEEE Transactions on Robotics, 2021, 37, 1834-1843.  | 10.3 | 14        |
| 13 | Fusion-Based Multidetector Multitarget Tracking With Random Finite Sets. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 2438-2458.                                       | 4.7  | 15        |
| 14 | Distributed multi-view multi-target tracking based on CPHD filtering. Signal Processing, 2021, 188, 108210.  | 3.7  | 15        |
| 15 | Indirect adaptive fuzzy control of nonlinear descriptor systems. European Journal of Control, 2020, 51, 30-38.   | 2.6  | 14        |
| 16 | Cooperative sensor fusion in centralized sensor networks using Cauchy's Schwarz divergence. Signal Processing, 2020, 167, 107278.  | 3.7  | 29        |
| 17 | Distributed Joint Sensor Registration and Multitarget Tracking via Sensor Network. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 1301-1317.                             | 4.7  | 28        |
| 18 | Radial pole path approach for fast response of affine constrained nonlinear systems with matched uncertainties. International Journal of Robust and Nonlinear Control, 2020, 30, 142-158.  | 3.7  | 4         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Joint attack detection and secure state estimation of cyber-physical systems. International Journal of Robust and Nonlinear Control, 2020, 30, 4303-4330.                          | 3.7  | 15        |
| 20 | MAP moving horizon estimation for threshold measurements with application to field monitoring. International Journal of Adaptive Control and Signal Processing, 2020, 34, 796-811. | 4.1  | 6         |
| 21 | Random-Finite-Set-Based Distributed Multirobot SLAM. IEEE Transactions on Robotics, 2020, 36, 1758-1777.   | 10.3 | 21        |
| 22 | Fusion of Labeled RFS Densities With Minimum Information Loss. IEEE Transactions on Signal Processing, 2020, 68, 5855-5868.  | 5.3  | 34        |
| 23 | Distributed multi-target tracking over an asynchronous multi-sensor network. , 2020, , .   |      | 5         |
| 24 | An Adaptive Filter for Nonlinear Multi-Sensor Systems with Heavy-Tailed Noise. Sensors, 2020, 20, 6757.  | 3.8  | 4         |
| 25 | Multiobject Fusion With Minimum Information Loss. IEEE Signal Processing Letters, 2020, 27, 201-205.   | 3.6  | 53        |
| 26 | Passive target detection and tracking from electromagnetic field measurements. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22321.             | 1.2  | 2         |
| 27 | GCI fusion based multi-detection multitarget tracking. , 2020, , .   |      | 0         |
| 28 | Network equilibrium stabilization via single-node insertion. , 2019, , .   |      | 0         |
| 29 | Event-Triggered Distributed Multitarget Tracking. IEEE Transactions on Signal and Information Processing Over Networks, 2019, 5, 570-584.  | 2.8  | 15        |
| 30 | Direct Adaptive Fuzzy Control of Nonlinear Descriptor Systems. International Journal of Fuzzy Systems, 2019, 21, 2588-2599.  | 4.0  | 7         |
| 31 | Interactive Multiple-Target Tracking via Labeled Multi-Bernoulli Filters. , 2019, , .  |      | 3         |
| 32 | Distributed Joint Mapping and Registration with Limited Fields-of-View. , 2019, , .  |      | 5         |
| 33 | Distributed state estimation under denial of service. , 2019, , .  |      | 2         |
| 34 | Computationally Efficient Multi-Agent Multi-Object Tracking With Labeled Random Finite Sets. IEEE Transactions on Signal Processing, 2019, 67, 260-275.                            | 5.3  | 67        |
| 35 | Distributed joint sensor registration and target tracking via sensor network. Information Fusion, 2019, 46, 218-230.   | 19.1 | 23        |
| 36 | A distributed Kalman filter with event-triggered communication and guaranteed stability. Automatica, 2018, 93, 75-82.  | 5.0  | 127       |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 37 | Robust Fusion for Multisensor Multiobject Tracking. IEEE Signal Processing Letters, 2018, 25, 640-644.  | 3.6  | 95        |
| 38 | Distributed Averaging of Exponential-Class Densities With Discrete-Time Event-Triggered Consensus. IEEE Transactions on Control of Network Systems, 2018, 5, 359-369. | 3.7  | 10        |
| 39 | Distributed Joint Attack Detection and Secure State Estimation. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 96-110.                | 2.8  | 49        |
| 40 | Centralized Multiple-View Information Fusion for Multi-Object Tracking Using Labeled Multi-Bernoulli Filters. , 2018, , .   |      | 7         |
| 41 | Event-Triggered Consensus Bernoulli Filtering. , 2018, , .  |      | 4         |
| 42 | Multi-Sensor Multi-Object Tracking with Different Fields-of-View Using the LMB Filter. , 2018, , .  |      | 17        |
| 43 | Distributed Finite-Element Kalman Filter for Field Estimation. IEEE Transactions on Automatic Control, 2017, 62, 3309-3322.   | 5.7  | 21        |
| 44 | Memory Unscented Particle Filter for 6-DOF Tactile Localization. IEEE Transactions on Robotics, 2017, 33, 1139-1155.  | 10.3 | 30        |
| 45 | Moving horizon estimation for discrete-time linear systems with binary sensors: Algorithms and stability results. Automatica, 2017, 85, 374-385.                      | 5.0  | 19        |
| 46 | Worst-case analysis of joint attack detection and resilient state estimation. , 2017, , .   |      | 8         |
| 47 | Random Set Approach to Distributed Multivehicle SLAM. IFAC-PapersOnLine, 2017, 50, 2457-2464.   | 0.9  | 14        |
| 48 | Secure State Estimation of Cyber-Physical Systems Under Switching Attacks. IFAC-PapersOnLine, 2017, 50, 4979-4986.  | 0.9  | 16        |
| 49 | Control of multidimensional systems on complex network. PLoS ONE, 2017, 12, e0184431.   | 2.5  | 6         |
| 50 | A Bayesian approach to joint attack detection and resilient state estimation. , 2016, , .   |      | 25        |
| 51 | MAP Moving Horizon state estimation with binary measurements. , 2016, , .   |      | 3         |
| 52 | Stability of consensus extended Kalman filter for distributed state estimation. Automatica, 2016, 68, 169-178.  | 5.0  | 230       |
| 53 | Moving horizon state estimation for discrete-time linear systems with binary sensors. , 2015, , .   |      | 5         |
| 54 | Networked target tracking With Doppler sensors. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 3294-3306.   | 4.7  | 9         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 55 | Consensus-based multiple-model Bayesian filtering for distributed tracking. IET Radar, Sonar and Navigation, 2015, 9, 401-410.   | 1.8  | 22        |
| 56 | Kullback-Leibler average, consensus on probability densities, and distributed state estimation with guaranteed stability. Automatica, 2014, 50, 707-718.               | 5.0  | 390       |
| 57 | Consensus CPHD Filter for Distributed Multitarget Tracking. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 508-520.                                    | 10.8 | 249       |
| 58 | Data-driven communication for state estimation with sensor networks. Automatica, 2012, 48, 926-935.  | 5.0  | 70        |
| 59 | An Information-Theoretic Approach to Distributed State Estimation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 12477-12482. | 0.4  | 30        |
| 60 | Real-Time Epileptic Seizure Prediction Using AR Models and Support Vector Machines. IEEE Transactions on Biomedical Engineering, 2010, 57, 1124-1132.                  | 4.2  | 213       |
| 61 | An approach to threat assessment based on evidential networks. , 2007, , .   |      | 17        |
| 62 | Estimation of Constrained Parameters With Guaranteed MSE Improvement. IEEE Transactions on Signal Processing, 2007, 55, 1264-1274.                                     | 5.3  | 14        |
| 63 | Dual mode predictive tracking of piecewise constant references for constrained linear systems. International Journal of Control, 2003, 76, 61-72.                      | 1.9  | 58        |
| 64 | Robust Predictive Regulation with Invariance Constraint. European Journal of Control, 2002, 8, 2-14.   | 2.6  | 2         |
| 65 | Modular and Numerically Stable Multichannel Fast Transversal Filters. IETE Journal of Research, 1989, 35, 41-51.   | 2.6  | 2         |