

George J Pappas

List of Publications by Year in descending order

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430
papers

21,756
citations

17429

63
h-index

17580

121
g-index

440
all docs

440
docs citations

440
times ranked

9523
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Private Weighted Sum Aggregation. IEEE Transactions on Control of Network Systems, 2022, 9, 219-230. | 2.4 | 7 |
| 2 | Resilient Active Information Acquisition With Teams of Robots. IEEE Transactions on Robotics, 2022, 38, 244-261. | 7.3 | 6 |
| 3 | Safety Verification and Robustness Analysis of Neural Networks via Quadratic Constraints and Semidefinite Programming. IEEE Transactions on Automatic Control, 2022, 67, 1-15. | 3.6 | 61 |
| 4 | Robust and Adaptive Sequential Submodular Optimization. IEEE Transactions on Automatic Control, 2022, 67, 89-104. | 3.6 | 6 |
| 5 | Reactive and Risk-Aware Control for Signal Temporal Logic. IEEE Transactions on Automatic Control, 2022, 67, 5262-5277. | 3.6 | 11 |
| 6 | Online Learning-Based Trajectory Tracking for Underactuated Vehicles With Uncertain Dynamics. , 2022, 6, 2090-2095. | | 4 |
| 7 | Perception-Based Temporal Logic Planning in Uncertain Semantic Maps. IEEE Transactions on Robotics, 2022, 38, 2536-2556. | 7.3 | 15 |
| 8 | Robust Object-Level Semantic Visual SLAM Using Semantic Keypoints. , 2022, 2, 513-524. | | 1 |
| 9 | Distributed Attack-Robust Submodular Maximization for Multirobot Planning. IEEE Transactions on Robotics, 2022, 38, 3097-3112. | 7.3 | 7 |
| 10 | Temporal Robustness of Stochastic Signals. , 2022, , . | | 7 |
| 11 | Reactive Informative Planning for Mobile Manipulation Tasks under Sensing and Environmental Uncertainty. , 2022, , . | | 1 |
| 12 | Latency-Reliability Tradeoffs for State Estimation. IEEE Transactions on Automatic Control, 2021, 66, 1009-1023. | 3.6 | 16 |
| 13 | LQG Control and Sensing Co-Design. IEEE Transactions on Automatic Control, 2021, 66, 1468-1483. | 3.6 | 25 |
| 14 | Approximate Supermodularity of Kalman Filter Sensor Selection. IEEE Transactions on Automatic Control, 2021, 66, 49-63. | 3.6 | 15 |
| 15 | Cloud-Based Quadratic Optimization With Partially Homomorphic Encryption. IEEE Transactions on Automatic Control, 2021, 66, 2357-2364. | 3.6 | 31 |
| 16 | Dynamic Graphs, Connectivity of. , 2021, , 630-633. | | 0 |
| 17 | Verisig 2.0: Verification of Neural Network Controllers Using Taylor Model Preconditioning. Lecture Notes in Computer Science, 2021, , 249-262. | 1.0 | 25 |
| 18 | Data-driven Distributionally Robust Optimization For Vehicle Balancing of Mobility-on-Demand Systems. ACM Transactions on Cyber-Physical Systems, 2021, 5, 1-27. | 1.9 | 9 |

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|----|--|-----|-----------|
| 19 | Almost-Zero Duality Gaps in Model-Free Resource Allocation for Wireless Systems. , 2021, , . | | 0 |
| 20 | Statistical learning for analysis of networked control systems over unknown channels. Automatica, 2021, 125, 109386. | 3.0 | 8 |
| 21 | Teaching recurrent neural networks to infer global temporal structure from local examples. Nature Machine Intelligence, 2021, 3, 316-323. | 8.3 | 61 |
| 22 | Fair Robust Assignment Using Redundancy. IEEE Robotics and Automation Letters, 2021, 6, 4217-4224. | 3.3 | 8 |
| 23 | Source Seeking in Unknown Environments with Convex Obstacles. , 2021, , . | | 4 |
| 24 | Stochastic Motion Planning Under Partial Observability for Mobile Robots With Continuous Range Measurements. IEEE Transactions on Robotics, 2021, 37, 979-995. | 7.3 | 13 |
| 25 | Sampling-based planning for non-myopic multi-robot information gathering. Autonomous Robots, 2021, 45, 1029-1046. | 3.2 | 11 |
| 26 | On the Structural Target Controllability of Undirected Networks. IEEE Transactions on Automatic Control, 2021, 66, 4836-4843. | 3.6 | 7 |
| 27 | Scalable Active Information Acquisition for Multi-Robot Systems. , 2021, , . | | 2 |
| 28 | Deep Reinforcement Learning for Active Target Tracking. , 2021, , . | | 2 |
| 29 | Reactive Planning for Mobile Manipulation Tasks in Unexplored Semantic Environments. , 2021, , . | | 6 |
| 30 | Non-Monotone Energy-Aware Information Gathering for Heterogeneous Robot Teams. , 2021, , . | | 4 |
| 31 | Encrypted Control for Networked Systems: An Illustrative Introduction and Current Challenges. IEEE Control Systems, 2021, 41, 58-78. | 1.0 | 61 |
| 32 | Distributed Sampling-based Planning for Non-Myopic Active Information Gathering. , 2021, , . | | 4 |
| 33 | Scalable Reinforcement Learning Policies for Multi-Agent Control. , 2021, , . | | 8 |
| 34 | Time-Robust Control for STL Specifications. , 2021, , . | | 15 |
| 35 | STL Robustness Risk over Discrete-Time Stochastic Processes. , 2021, , . | | 9 |
| 36 | Robust Motion Planning in the Presence of Estimation Uncertainty. , 2021, , . | | 4 |

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| 37 | State-Secrecy Codes for Networked Linear Systems. IEEE Transactions on Automatic Control, 2020, 65, 2001-2015. | 3.6 | 37 |
| 38 | A Control-Theoretic Approach to Analysis and Parameter Selection of Douglasâ€™Rachford Splitting. , 2020, 4, 199-204. | | 3 |
| 39 | Robust Economic Model Predictive Control of Continuous-Time Epidemic Processes. IEEE Transactions on Automatic Control, 2020, 65, 1116-1131. | 3.6 | 34 |
| 40 | Consensus of Multiagent Systems Via Asynchronous Cloud Communication. IEEE Transactions on Control of Network Systems, 2020, 7, 627-637. | 2.4 | 16 |
| 41 | Models of communication and control for brain networks: distinctions, convergence, and future outlook. Network Neuroscience, 2020, 4, 1122-1159. | 1.4 | 46 |
| 42 | Distributed Attack-Robust Submodular Maximization for Multi-Robot Planning. , 2020, , . | | 15 |
| 43 | Reactive Temporal Logic Planning for Multiple Robots in Unknown Environments. , 2020, , . | | 17 |
| 44 | Model-Free Learning of Optimal Ergodic Policies in Wireless Systems. IEEE Transactions on Signal Processing, 2020, 68, 6272-6286. | 3.2 | 8 |
| 45 | Better Safe Than Sorry: Risk-Aware Nonlinear Bayesian Estimation. , 2020, , . | | 7 |
| 46 | Reactive Semantic Planning in Unexplored Semantic Environments Using Deep Perceptual Feedback. IEEE Robotics and Automation Letters, 2020, 5, 4455-4462. | 3.3 | 18 |
| 47 | Network Design for Controllability Metrics. IEEE Transactions on Control of Network Systems, 2020, 7, 1404-1415. | 2.4 | 5 |
| 48 | Finite-dimensional control of linear discrete-time fractional-order systems. Automatica, 2020, 115, 108512. | 3.0 | 13 |
| 49 | Model-based design for seizure control by stimulation. Journal of Neural Engineering, 2020, 17, 026009. | 1.8 | 16 |
| 50 | Secure Multi-party Computation for Cloud-Based Control. , 2020, , 179-207. | | 9 |
| 51 | A Zeroth-Order Learning Algorithm for Ergodic Optimization of Wireless Systems with no Models and no Gradients. , 2020, , . | | 1 |
| 52 | Reach-SDP: Reachability Analysis of Closed-Loop Systems with Neural Network Controllers via Semidefinite Programming. , 2020, , . | | 41 |
| 53 | Dynamic Graphs, Connectivity of. , 2020, , 1-5. | | 1 |
| 54 | Private Weighted Sum Aggregation for Distributed Control Systems. IFAC-PapersOnLine, 2020, 53, 11081-11088. | 0.5 | 4 |

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| 55 | Learning to Control over Unknown Wireless Channels. IFAC-PapersOnLine, 2020, 53, 2600-2605. | 0.5 | 0 |
| 56 | Control of Generalized Discrete-Time SIS Epidemics via Submodular Function Minimization. , 2019, 3, 314-319. | | 3 |
| 57 | Encrypted LQG using labeled homomorphic encryption. , 2019, , . | | 17 |
| 58 | Verisig. , 2019, , . | | 128 |
| 59 | Learning Q-network for Active Information Acquisition. , 2019, , . | | 9 |
| 60 | Maximum Information Bounds for Planning Active Sensing Trajectories. , 2019, , . | | 7 |
| 61 | Optimal Temporal Logic Planning for Multi-Robot Systems in Uncertain Semantic Maps. , 2019, , . | | 10 |
| 62 | Encrypted Cooperative Control Revisited. , 2019, , . | | 25 |
| 63 | Probabilistic Verification and Reachability Analysis of Neural Networks via Semidefinite Programming. , 2019, , . | | 20 |
| 64 | Finite Sample Analysis of Stochastic System Identification. , 2019, , . | | 43 |
| 65 | Tuning Communication Latency for Distributed Model Predictive Control. IFAC-PapersOnLine, 2019, 52, 279-284. | 0.5 | 2 |
| 66 | Resilient Structural Stabilizability of Undirected Networks. , 2019, , . | | 2 |
| 67 | Analysis and Design of Actuationâ€“Sensingâ€“Communication Interconnection Structures Toward Secured/Resilient LTI Closed-Loop Systems. IEEE Transactions on Control of Network Systems, 2019, 6, 667-678. | 2.4 | 11 |
| 68 | Learning in Wireless Control Systems Over Nonstationary Channels. IEEE Transactions on Signal Processing, 2019, 67, 1123-1137. | 3.2 | 17 |
| 69 | Resilient Active Target Tracking With Multiple Robots. IEEE Robotics and Automation Letters, 2019, 4, 129-136. | 3.3 | 53 |
| 70 | Minimal Edge Addition for Network Controllability. IEEE Transactions on Control of Network Systems, 2019, 6, 312-323. | 2.4 | 30 |
| 71 | Continuous Estimation Using Context-Dependent Discrete Measurements. IEEE Transactions on Automatic Control, 2019, 64, 238-253. | 3.6 | 4 |
| 72 | Data-Driven Robust Taxi Dispatch Under Demand Uncertainties. IEEE Transactions on Control Systems Technology, 2019, 27, 175-191. | 3.2 | 38 |

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| 73 | N-Dimensional Distributed Network Localization with Noisy Range Measurements and Arbitrary Anchor Placement. , 2019, , . | | 3 |
| 74 | Anytime Planning for Decentralized Multirobot Active Information Gathering. IEEE Robotics and Automation Letters, 2018, 3, 1025-1032. | 3.3 | 79 |
| 75 | Spectral mapping of brain functional connectivity from diffusion imaging. Scientific Reports, 2018, 8, 1411. | 1.6 | 78 |
| 76 | Random access design for wireless control systems. Automatica, 2018, 91, 1-9. | 3.0 | 27 |
| 77 | A hybrid stochastic game for secure control of cyber-physical systems. Automatica, 2018, 93, 55-63. | 3.0 | 59 |
| 78 | Selecting Sensors in Biological Fractional-Order Systems. IEEE Transactions on Control of Network Systems, 2018, 5, 709-721. | 2.4 | 21 |
| 79 | Privacy in Control and Dynamical Systems. Annual Review of Control, Robotics, and Autonomous Systems, 2018, 1, 309-332. | 7.5 | 30 |
| 80 | Diffusing Private Data Over Networks. IEEE Transactions on Control of Network Systems, 2018, 5, 1027-1037. | 2.4 | 18 |
| 81 | Optimal Resource Allocation for Competitive Spreading Processes on Bilayer Networks. IEEE Transactions on Control of Network Systems, 2018, 5, 298-307. | 2.4 | 50 |
| 82 | An Information Matrix Approach for State Secrecy. , 2018, , . | | 9 |
| 83 | Resilient Monotone Sequential Maximization. , 2018, , . | | 5 |
| 84 | Sample Complexity of Networked Control Systems Over Unknown Channels. , 2018, , . | | 5 |
| 85 | Cloud-Based MPC with Encrypted Data. , 2018, , . | | 56 |
| 86 | Structural Target Controllability of Undirected Networks. , 2018, , . | | 14 |
| 87 | A Robust Moment Closure for General Continuous-time Epidemic Processes. , 2018, , . | | 3 |
| 88 | Resilient Active Information Gathering with Mobile Robots. , 2018, , . | | 15 |
| 89 | A Chebyshev-Accelerated Primal-Dual Method for Distributed Optimization. , 2018, , . | | 5 |
| 90 | Minimal Reachability is Hard To Approximate. IEEE Transactions on Automatic Control, 2018, , 1-1. | 3.6 | 3 |

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| 91 | Learning Statistically Accurate Resource Allocations in Non-Stationary Wireless Systems. , 2018, , . | | 2 |
| 92 | Scenario-Based Model Predictive Control for Energy Harvesting Actuators. , 2018, , . | | 0 |
| 93 | Optimization of Switched Linear Systems Over Non-Stationary Wireless Channels. , 2018, , . | | 0 |
| 94 | Verification of Hybrid Systems. , 2018, , 1047-1110. | | 29 |
| 95 | Sensing-Constrained LQG Control. , 2018, , . | | 11 |
| 96 | Learning in Non-Stationary Wireless Control Systems via Newton's Method. , 2018, , . | | 5 |
| 97 | SMC: Satisfiability Modulo Convex Programming. Proceedings of the IEEE, 2018, 106, 1655-1679. | 16.4 | 35 |
| 98 | Differentially Private Distributed Constrained Optimization. IEEE Transactions on Automatic Control, 2017, 62, 50-64. | 3.6 | 165 |
| 99 | Optimal Resource Allocation for Control of Networked Epidemic Models. IEEE Transactions on Control of Network Systems, 2017, 4, 159-169. | 2.4 | 104 |
| 100 | Coding Schemes for Securing Cyber-Physical Systems Against Stealthy Data Injection Attacks. IEEE Transactions on Control of Network Systems, 2017, 4, 106-117. | 2.4 | 160 |
| 101 | Resilient Flocking for Mobile Robot Teams. IEEE Robotics and Automation Letters, 2017, 2, 1039-1046. | 3.3 | 132 |
| 102 | Trade-offs between driving nodes and time-to-control in complex networks. Scientific Reports, 2017, 7, 39978. | 1.6 | 20 |
| 103 | Structural minimum controllability problem for switched linear continuous-time systems. Automatica, 2017, 78, 216-222. | 3.0 | 16 |
| 104 | Wireless Control for the IoT. , 2017, , . | | 13 |
| 105 | Data-driven distributionally robust vehicle balancing using dynamic region partitions. , 2017, , . | | 33 |
| 106 | Design and Implementation of Attack-Resilient Cyberphysical Systems: With a Focus on Attack-Resilient State Estimators. IEEE Control Systems, 2017, 37, 66-81. | 1.0 | 105 |
| 107 | Discrete-time fractional-order multiple scenario-based sensor selection. , 2017, , . | | 2 |
| 108 | Calibration-free network localization using non-line-of-sight ultra-wideband measurements. , 2017, , . | | 24 |

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| 109 | Probabilistic data association for semantic SLAM. , 2017, , . | | 283 |
| 110 | Spectral control of cortical activity. , 2017, , . | | 6 |
| 111 | Quantification on the efficiency gain of automated ridesharing services. , 2017, , . | | 2 |
| 112 | Scheduling nonlinear sensors for stochastic process estimation. , 2017, , . | | 14 |
| 113 | Attack-Resilient State Estimation for Noisy Dynamical Systems. IEEE Transactions on Control of Network Systems, 2017, 4, 82-92. | 2.4 | 138 |
| 114 | The mean square error in Kalman filtering sensor selection is approximately supermodular. , 2017, , . | | 21 |
| 115 | Battery management for control systems with energy harvesting sensors. , 2017, , . | | 2 |
| 116 | State Estimation with Secrecy against Eavesdroppers. IFAC-PapersOnLine, 2017, 50, 8385-8392. | 0.5 | 37 |
| 117 | Privacy preserving cloud-based quadratic optimization. , 2017, , . | | 9 |
| 118 | State estimation codes for perfect secrecy. , 2017, , . | | 14 |
| 119 | Differential privacy for dynamical sensitive data. , 2017, , . | | 12 |
| 120 | Linear temporal logic motion planning for teams of underactuated robots using satisfiability modulo convex programming. , 2017, , . | | 33 |
| 121 | Resilient monotone submodular function maximization. , 2017, , . | | 23 |
| 122 | Network design for controllability metrics. , 2017, , . | | 8 |
| 123 | On the limited communication analysis and design for decentralized estimation. , 2017, , . | | 1 |
| 124 | Hierarchical data-driven vehicle dispatch and ride-sharing. , 2017, , . | | 13 |
| 125 | Distributed leader selection in switching networks of high-order integrators. , 2017, , . | | 2 |
| 126 | Inference, prediction and control of networked epidemics. , 2017, , . | | 6 |

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| 127 | SMC. , 2017, , . | | 29 |
| 128 | Gradual Release of Sensitive Data under Differential Privacy. Journal of Privacy and Confidentiality, 2017, 7, . | 1.1 | 12 |
| 129 | Optimal temporal logic planning in probabilistic semantic maps. , 2016, , . | | 16 |
| 130 | Scalable lazy SMT-based motion planning. , 2016, , . | | 23 |
| 131 | Coordination of multi-agent systems via asynchronous cloud communication. , 2016, , . | | 10 |
| 132 | Multi-agent coordination with asynchronous cloud access. , 2016, , . | | 15 |
| 133 | Multi-owner multi-user privacy. , 2016, , . | | 2 |
| 134 | Decentralized observability with limited communication between sensors. , 2016, , . | | 5 |
| 135 | Near-optimal sensor scheduling for batch state estimation: Complexity, algorithms, and limits. , 2016, , . | | 24 |
| 136 | Self-triggered time-varying convex optimization. , 2016, , . | | 22 |
| 137 | State-based communication design for wireless control systems. , 2016, , . | | 20 |
| 138 | Online planning for energy-efficient and disturbance-aware UAV operations. , 2016, , . | | 39 |
| 139 | A column generation approach for optimized routing and coordination of a UAV fleet. , 2016, , . | | 6 |
| 140 | Privacy-aware quadratic optimization using partially homomorphic encryption. , 2016, , . | | 59 |
| 141 | Structural analysis and design of dynamic-flow networks: Implications in the brain dynamics. , 2016, , . | | 5 |
| 142 | Diffusing private data over networks. , 2016, , . | | 3 |
| 143 | Differential privacy in control and network systems. , 2016, , . | | 132 |
| 144 | Location-dependent privacy. , 2016, , . | | 6 |

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| 163 | Optimal resource allocation for containing epidemics on time-varying networks. , 2015, , . | | 4 |
| 164 | Automatic verification of linear controller software. , 2015, , . | | 10 |
| 165 | Periodic event-triggered average consensus over directed graphs. , 2015, , . | | 23 |
| 166 | Value of forecasts in planning under uncertainty. , 2015, , . | | 1 |
| 167 | Distributed leader selection. , 2015, , . | | 7 |
| 168 | A general class of spreading processes with non-Markovian dynamics. , 2015, , . | | 10 |
| 169 | Static output feedback: On essential feasible information patterns. , 2015, , . | | 4 |
| 170 | Minimum number of probes for brain dynamics observability. , 2015, , . | | 20 |
| 171 | A sublinear algorithm for barrier-certificate-based data-driven model validation of dynamical systems. , 2015, , . | | 6 |
| 172 | Minimal reachability problems. , 2015, , . | | 12 |
| 173 | Minimum cost constrained input-output and control configuration co-design problem: A structural systems approach. , 2015, , . | | 21 |
| 174 | An approximately truthful mechanism for electric vehicle charging via joint differential privacy. , 2015, , . | | 5 |
| 175 | Self-triggered pursuit of a single evader. , 2015, , . | | 10 |
| 176 | Data-Driven Network Resource Allocation for Controlling Spreading Processes. IEEE Transactions on Network Science and Engineering, 2015, 2, 127-138. | 4.1 | 31 |
| 177 | Control with random access wireless sensors. , 2015, , . | | 8 |
| 178 | Attack-resilient state estimation in the presence of noise. , 2015, , . | | 48 |
| 179 | Distributed Algorithms for Stochastic Source Seeking With Mobile Robot Networks. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, . | 0.9 | 55 |
| 180 | Minimal actuator placement with optimal control constraints. , 2015, , . | | 24 |

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| 181 | Decentralized active information acquisition: Theory and application to multi-robot SLAM. , 2015, , . | | 108 |
| 182 | Taxi dispatch with real-time sensing data in metropolitan areas. , 2015, , . | | 21 |
| 183 | Optimal resource allocation for competing epidemics over arbitrary networks. , 2015, , . | | 15 |
| 184 | Opportunistic Control Over Shared Wireless Channels. IEEE Transactions on Automatic Control, 2015, 60, 3140-3155. | 3.6 | 89 |
| 185 | Real-time privacy-preserving model-based estimation of traffic flows. , 2014, , . | | 9 |
| 186 | Guest Editorial Special Issue on Control of Cyber-Physical Systems. IEEE Transactions on Automatic Control, 2014, 59, 3120-3121. | 3.6 | 36 |
| 187 | Nonmyopic View Planning for Active Object Classification and Pose Estimation. IEEE Transactions on Robotics, 2014, 30, 1078-1090. | 7.3 | 72 |
| 188 | Joint estimation and localization in sensor networks. , 2014, , . | | 24 |
| 189 | Controllability and fraction of leaders in infinite networks. , 2014, , . | | 11 |
| 190 | Automated composition of motion primitives for multi-robot systems from safe LTL specifications. , 2014, , . | | 83 |
| 191 | Coding sensor outputs for injection attacks detection. , 2014, , . | | 49 |
| 192 | Stability analysis of generalized epidemic models over directed networks. , 2014, , . | | 23 |
| 193 | Connectivity of Dynamic Graphs. , 2014, , 1-8. | | 2 |
| 194 | Information acquisition with sensing robots: Algorithms and error bounds. , 2014, , . | | 71 |
| 195 | Differentially private distributed protocol for electric vehicle charging. , 2014, , . | | 9 |
| 196 | Differentially Private Filtering. IEEE Transactions on Automatic Control, 2014, 59, 341-354. | 3.6 | 240 |
| 197 | Optimal Power Management in Wireless Control Systems. IEEE Transactions on Automatic Control, 2014, 59, 1495-1510. | 3.6 | 136 |
| 198 | Opportunistic scheduling of control tasks over shared wireless channels. , 2014, , . | | 5 |

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| 199 | Robustness of attack-resilient state estimators. , 2014, , . | | 162 |
| 200 | The Swarm at the Edge of the Cloud. IEEE Design and Test, 2014, 31, 8-20. | 1.1 | 83 |
| 201 | Optimal Resource Allocation for Network Protection Against Spreading Processes. IEEE Transactions on Control of Network Systems, 2014, 1, 99-108. | 2.4 | 194 |
| 202 | Differentially private convex optimization with piecewise affine objectives. , 2014, , . | | 32 |
| 203 | Attack resilient state estimation for autonomous robotic systems. , 2014, , . | | 42 |
| 204 | Opportunistic sensor scheduling in wireless control systems. , 2014, , . | | 3 |
| 205 | Computation of privacy-preserving prices in smart grids. , 2014, , . | | 3 |
| 206 | Active Deformable Part Models Inference. Lecture Notes in Computer Science, 2014, , 281-296. | 1.0 | 9 |
| 207 | Discrete Abstraction of Stochastic Nonlinear Systems. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 452-458. | 0.2 | 1 |
| 208 | Optimal power management in wireless control systems. , 2013, , . | | 19 |
| 209 | Event-based Green scheduling of radiant systems in buildings. , 2013, , . | | 13 |
| 210 | Network Integrity in Mobile Robotic Networks. IEEE Transactions on Automatic Control, 2013, 58, 3-18. | 3.6 | 75 |
| 211 | Adaptive Deployment of Mobile Robotic Networks. IEEE Transactions on Automatic Control, 2013, 58, 654-666. | 3.6 | 34 |
| 212 | Topological Conditions for In-Network Stabilization of Dynamical Systems. IEEE Journal on Selected Areas in Communications, 2013, 31, 794-807. | 9.7 | 26 |
| 213 | Optimal vaccine allocation to control epidemic outbreaks in arbitrary networks. , 2013, , . | | 106 |
| 214 | Towards synthesis of platform-aware attack-resilient control systems. , 2013, , . | | 9 |
| 215 | Privacy-preserving release of aggregate dynamic models. , 2013, , . | | 7 |
| 216 | Bio-inspired strategy for control of viral spreading in networks. , 2013, , . | | 7 |

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| 217 | Synthesis of platform-aware attack-resilient vehicular systems. , 2013, , . | | 1 |
| 218 | Hypothesis testing framework for active object detection. , 2013, , . | | 18 |
| 219 | From Reactive to Cognitive Agents: Extending Reinforcement Learning to Generate Symbolic Knowledge Bases. , 2013, , . | | 6 |
| 220 | Stochastic game approach for replay attack detection. , 2013, , . | | 87 |
| 221 | Power-aware communication for wireless sensor-actuator systems. , 2013, , . | | 2 |
| 222 | Networked realization of discrete-time controllers. , 2013, , . | | 0 |
| 223 | Stabilizability over deterministic relay networks. , 2013, , . | | 2 |
| 224 | Resilient Parameter-Invariant Control with Application to Vehicle Cruise Control. Lecture Notes in Control and Information Sciences, 2013, , 197-216. | 0.6 | 10 |
| 225 | HMM-based characterization of channel behavior for networked control systems. , 2012, , . | | 0 |
| 226 | Compositional safety analysis using barrier certificates. , 2012, , . | | 49 |
| 227 | Closing the loop. , 2012, , . | | 21 |
| 228 | Time-Triggered Implementations of Dynamic Controllers. Transactions on Embedded Computing Systems, 2012, 11, 1-24. | 2.1 | 12 |
| 229 | On the existence of compositional barrier certificates. , 2012, , . | | 14 |
| 230 | Differentially private filtering. , 2012, , . | | 57 |
| 231 | Scalable scheduling of building control systems for peak demand reduction. , 2012, , . | | 17 |
| 232 | Green scheduling for radiant systems in buildings. , 2012, , . | | 7 |
| 233 | Sequential composition of robust controller specifications. , 2012, , . | | 16 |
| 234 | Closing the loop: A simple distributed method for control over wireless networks. , 2012, , . | | 2 |

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| 235 | Differentially private Kalman filtering. , 2012, , . | | 16 |
| 236 | A control-theoretic approach to disseminating values and overcoming malicious links in wireless networks. Automatica, 2012, 48, 2894-2901. | 3.0 | 27 |
| 237 | Stochastic source seeking in complex environments. , 2012, , . | | 35 |
| 238 | Adaptive communication-constrained deployment of mobile robotic networks. , 2012, , . | | 4 |
| 239 | Stochastic Source Seeking by Mobile Robots. IEEE Transactions on Automatic Control, 2012, 57, 2308-2321. | 3.6 | 72 |
| 240 | Adaptive Communication-Constrained Deployment of Unmanned Vehicle Systems. IEEE Journal on Selected Areas in Communications, 2012, 30, 923-934. | 9.7 | 35 |
| 241 | Bacteria-Powered Microrobots. , 2012, , 249-275. | | 0 |
| 242 | Stochastic Models and Control of Bacterial Bioactuators and Biomicrobots. , 2012, , 115-144. | | 0 |
| 243 | Joint Metering and Conflict Resolution in Air Traffic Control. Journal of Guidance, Control, and Dynamics, 2011, 34, 1507-1518. | 1.6 | 16 |
| 244 | Distributed control of mobility & routing in networks of robots. , 2011, , . | | 11 |
| 245 | On the Feasibility of Linear Discrete-Time Systems of the Green Scheduling Problem. , 2011, , . | | 8 |
| 246 | Robot deployment with end-to-end communication constraints. , 2011, , . | | 2 |
| 247 | Wireless manipulation of single cells using magnetic microtransporters. , 2011, , . | | 37 |
| 248 | Green scheduling of control systems for peak demand reduction. , 2011, , . | | 45 |
| 249 | Approximate Bisimulation: A Bridge Between Computer Science and Control Theory. European Journal of Control, 2011, 17, 568-578. | 1.6 | 100 |
| 250 | Modeling, control and experimental characterization of microbiorobots. International Journal of Robotics Research, 2011, 30, 647-658. | 5.8 | 75 |
| 251 | The Wireless Control Network: A New Approach for Control Over Networks. IEEE Transactions on Automatic Control, 2011, 56, 2305-2318. | 3.6 | 137 |
| 252 | Graph-theoretic connectivity control of mobile robot networks. Proceedings of the IEEE, 2011, 99, 1525-1540. | 16.4 | 316 |

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| 253 | Inferring stable genetic networks from steady-state data. <i>Automatica</i> , 2011, 47, 1113-1122. | 3.0 | 78 |
| 254 | Reputation-based networked control with data-corrupting channels. , 2011, , . | | 6 |
| 255 | Resource constrained LQR control under fast sampling. , 2011, , . | | 12 |
| 256 | Compositional Modeling and Analysis of Multi-Hop Control Networks. <i>IEEE Transactions on Automatic Control</i> , 2011, 56, 2345-2357. | 3.6 | 98 |
| 257 | Green scheduling: Scheduling of control systems for peak power reduction. , 2011, , . | | 16 |
| 258 | A framework for integrating mobility and routing in mobile communication networks. , 2011, , . | | 3 |
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