George J Pappas

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Private Weighted Sum Aggregation. IEEE Transactions on Control of Network Systems, 2022, 9, 219-230.	3.7	7
2	Resilient Active Information Acquisition With Teams of Robots. IEEE Transactions on Robotics, 2022, 38, 244-261.	10.3	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.	5.7	61
4	Robust and Adaptive Sequential Submodular Optimization. IEEE Transactions on Automatic Control, 2022, 67, 89-104.	5.7	6
5	Reactive and Risk-Aware Control for Signal Temporal Logic. IEEE Transactions on Automatic Control, 2022, 67, 5262-5277.	5.7	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.	10.3	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.	10.3	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.	5.7	16
13	LQG Control and Sensing Co-Design. IEEE Transactions on Automatic Control, 2021, 66, 1468-1483.	5.7	25
14	Approximate Supermodularity of Kalman Filter Sensor Selection. IEEE Transactions on Automatic Control, 2021, 66, 49-63.	5.7	15
15	Cloud-Based Quadratic Optimization With Partially Homomorphic Encryption. IEEE Transactions on Automatic Control, 2021, 66, 2357-2364.	5.7	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.	1.3	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.	2.5	9

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#	Article	IF	CITATIONS
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.	5.0	8
21	Teaching recurrent neural networks to infer global temporal structure from local examples. Nature Machine Intelligence, 2021, 3, 316-323.	16.0	61
22	Fair Robust Assignment Using Redundancy. IEEE Robotics and Automation Letters, 2021, 6, 4217-4224.	5.1	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.	10.3	13
25	Sampling-based planning for non-myopic multi-robot information gathering. Autonomous Robots, 2021, 45, 1029-1046.	4.8	11
26	On the Structural Target Controllability of Undirected Networks. IEEE Transactions on Automatic Control, 2021, 66, 4836-4843.	5.7	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.	0.8	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

Robust Motion Planning in the Presence of Estimation Uncertainty. , 2021, , .

#	Article	IF	CITATIONS
37	State-Secrecy Codes for Networked Linear Systems. IEEE Transactions on Automatic Control, 2020, 65, 2001-2015.	5.7	37
38	A Control-Theoretic Approach to Analysis and Parameter Selection of Douglas–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.	5.7	34
40	Consensus of Multiagent Systems Via Asynchronous Cloud Communication. IEEE Transactions on Control of Network Systems, 2020, 7, 627-637.	3.7	16
41	Models of communication and control for brain networks: distinctions, convergence, and future outlook. Network Neuroscience, 2020, 4, 1122-1159.	2.6	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.	5.3	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.	5.1	18
47	Network Design for Controllability Metrics. IEEE Transactions on Control of Network Systems, 2020, 7, 1404-1415.	3.7	5
48	Finite-dimensional control of linear discrete-time fractional-order systems. Automatica, 2020, 115, 108512.	5.0	13
49	Model-based design for seizure control by stimulation. Journal of Neural Engineering, 2020, 17, 026009.	3.5	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.	0.9	4

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55	Learning to Control over Unknown Wireless Channels. IFAC-PapersOnLine, 2020, 53, 2600-2605.	0.9	Ο
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.	0.9	2
66	Resilient Structural Stabilizability of Undirected Networks. , 2019, , .		2
67	Analysis and Design of Actuation–Sensing–Communication Interconnection Structures Toward Secured/Resilient LTI Closed-Loop Systems. IEEE Transactions on Control of Network Systems, 2019, 6, 667-678.	3.7	11
68	Learning in Wireless Control Systems Over Nonstationary Channels. IEEE Transactions on Signal Processing, 2019, 67, 1123-1137.	5.3	17
69	Resilient Active Target Tracking With Multiple Robots. IEEE Robotics and Automation Letters, 2019, 4, 129-136.	5.1	53
70	Minimal Edge Addition for Network Controllability. IEEE Transactions on Control of Network Systems, 2019, 6, 312-323.	3.7	30
71	Continuous Estimation Using Context-Dependent Discrete Measurements. IEEE Transactions on Automatic Control, 2019, 64, 238-253.	5.7	4
72	Data-Driven Robust Taxi Dispatch Under Demand Uncertainties. IEEE Transactions on Control Systems Technology, 2019, 27, 175-191.	5.2	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.	5.1	79
75	Spectral mapping of brain functional connectivity from diffusion imaging. Scientific Reports, 2018, 8, 1411.	3.3	78
76	Random access design for wireless control systems. Automatica, 2018, 91, 1-9.	5.0	27
77	A hybrid stochastic game for secure control of cyber-physical systems. Automatica, 2018, 93, 55-63.	5.0	59
78	Selecting Sensors in Biological Fractional-Order Systems. IEEE Transactions on Control of Network Systems, 2018, 5, 709-721.	3.7	21
79	Privacy in Control and Dynamical Systems. Annual Review of Control, Robotics, and Autonomous Systems, 2018, 1, 309-332.	11.8	30
80	Diffusing Private Data Over Networks. IEEE Transactions on Control of Network Systems, 2018, 5, 1027-1037.	3.7	18
81	Optimal Resource Allocation for Competitive Spreading Processes on Bilayer Networks. IEEE Transactions on Control of Network Systems, 2018, 5, 298-307.	3.7	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.	5.7	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.	21.3	35
98	Differentially Private Distributed Constrained Optimization. IEEE Transactions on Automatic Control, 2017, 62, 50-64.	5.7	165
99	Optimal Resource Allocation for Control of Networked Epidemic Models. IEEE Transactions on Control of Network Systems, 2017, 4, 159-169.	3.7	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.	3.7	160
101	Resilient Flocking for Mobile Robot Teams. IEEE Robotics and Automation Letters, 2017, 2, 1039-1046.	5.1	132
102	Trade-offs between driving nodes and time-to-control in complex networks. Scientific Reports, 2017, 7, 39978.	3.3	20
103	Structural minimum controllability problem for switched linear continuous-time systems. Automatica, 2017, 78, 216-222.	5.0	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.	0.8	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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#	Article	IF	CITATIONS
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.	3.7	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.	0.9	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, , .

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127	SMC., 2017,,.		29
128	Gradual Release of Sensitive Data under Differential Privacy. Journal of Privacy and Confidentiality, 2017, 7, .	1.5	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

Location-dependent privacy. , 2016, , .

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145	ATPC. ACM Transactions on Sensor Networks, 2016, 12, 1-31.	3.6	98
146	Taxi Dispatch With Real-Time Sensing Data in Metropolitan Areas: A Receding Horizon Control Approach. IEEE Transactions on Automation Science and Engineering, 2016, 13, 463-478.	5.2	132
147	Localization from semantic observations via the matrix permanent. International Journal of Robotics Research, 2016, 35, 73-99.	8.5	47
148	Event-based information-theoretic privacy: A case study of smart meters. , 2016, , .		8
149	Minimum number of sensors to ensure observability of physiological systems: A case study. , 2016, , .		24
150	Approximation of network linear operators using similarity shift filters. , 2016, , .		0
151	Control-Aware Random Access Communication. , 2016, , .		12
152	Implan: Scalable Incremental Motion Planning for Multi-Robot Systems. , 2016, , .		23
153	Estimation of Blood Oxygen Content Using Context-Aware Filtering. , 2016, , .		3
154	Analysis and Control of Epidemics: A Survey of Spreading Processes on Complex Networks. IEEE Control Systems, 2016, 36, 26-46.	0.8	439
155	Minimal Actuator Placement With Bounds on Control Effort. IEEE Transactions on Control of Network Systems, 2016, 3, 67-78.	3.7	144
156	Distributed resource allocation for control of spreading processes. , 2015, , .		10
157	Embedding the Concurrent Autonomous Agent into a Humanoid Robot**This work was supported by CAPES (Coordenação de Aperfeiçoamento de Pessoal de NÃvel Superior, process number 9174-11-7), CNPq (Conselho Nacional de Desenvolvimento CientÃfico e TecnolÃ3gico) and FAPESB (Fundação de Amparo Ã) Tj B	TCq1 1 0.	.78 <mark>4</mark> 314 rg <mark>8</mark> 1
158	Robust taxi dispatch under model uncertainties. , 2015, , .		8
159	Smart building. , 2015, , .		2
160	Decentralized Channel Access for Wireless Control Systemsâ—â^—This work was supported in part by NSF CNS-0931239, and by TerraSwarm, one of six centers of STARnet, a Semiconductor Research Corporation program sponsored by MARCO and DARPA IFAC-PapersOnLine, 2015, 48, 209-214.	0.9	4
161	Team-triggered coordination of robotic networks for optimal deployment. , 2015, , .		5

#	Article	IF	CITATIONS
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.	6.4	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, .	1.6	55

180 Minimal actuator placement with optimal control constraints. , 2015, , .

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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.	5.7	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.	5.7	36
187	Nonmyopic View Planning for Active Object Classification and Pose Estimation. IEEE Transactions on Robotics, 2014, 30, 1078-1090.	10.3	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.	5.7	240
197	Optimal Power Management in Wireless Control Systems. IEEE Transactions on Automatic Control, 2014, 59, 1495-1510.	5.7	136

198 Opportunistic scheduling of control tasks over shared wireless channels. , 2014, , .

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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.	1.2	83
201	Optimal Resource Allocation for Network Protection Against Spreading Processes. IEEE Transactions on Control of Network Systems, 2014, 1, 99-108.	3.7	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.	1.3	9
207	Discrete Abstraction of Stochastic Nonlinear Systems. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 452-458.	0.3	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.	5.7	75
211	Adaptive Deployment of Mobile Robotic Networks. IEEE Transactions on Automatic Control, 2013, 58, 654-666.	5.7	34
212	Topological Conditions for In-Network Stabilization of Dynamical Systems. IEEE Journal on Selected Areas in Communications, 2013, 31, 794-807.	14.0	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.	1.0	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.	2.9	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.	5.0	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.	5.7	72
240	Adaptive Communication-Constrained Deployment of Unmanned Vehicle Systems. IEEE Journal on Selected Areas in Communications, 2012, 30, 923-934.	14.0	35
241	Bacteria-Powered Microrobots. , 2012, , 249-275.		0
242	Stochastic Models and Control of Bacterial Bioactuators and Biomicrorobots. , 2012, , 115-144.		0
243	Joint Metering and Conflict Resolution in Air Traffic Control. Journal of Guidance, Control, and Dynamics, 2011, 34, 1507-1518.	2.8	16
244	Distributed control of mobility & amp; 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.	2.6	100
250	Modeling, control and experimental characterization of microbiorobots. International Journal of Robotics Research, 2011, 30, 647-658.	8.5	75
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