Karl Henrik Johansson

List of Publications by Year
in descending order

581 papers	23,537 citations	15504 65 h-index	15266 126 g-index
590 all docs	590 docs citations	590 times ranked	10541 citing authors

#	Article	IF	Citations
1	A Model Randomization Approach to Statistical Parameter Privacy. IEEE Transactions on Automatic Control, 2023, 68, 839-850.	5.7	0
2	Distributed Event-Triggered Algorithms for Finite-Time Privacy-Preserving Quantized Average Consensus. IEEE Transactions on Control of Network Systems, 2023, 10, 38-50.	3.7	7
3	Dynamic Virtual Power Plant Design for Fast Frequency Reserves: Coordinating Hydro and Wind. IEEE Transactions on Control of Network Systems, 2023, 10, 1266-1278.	3.7	14
4	Sublinear and Linear Convergence of Modified ADMM for Distributed Nonconvex Optimization. IEEE Transactions on Control of Network Systems, 2023, 10, 75-86.	3.7	1
5	Risk-Aware Optimal Control for Automated Overtaking With Safety Guarantees. IEEE Transactions on Control Systems Technology, 2022, 30, 1460-1472.	5.2	6
6	Variable-Speed Wind Turbine Control Designed for Coordinated Fast Frequency Reserves. IEEE Transactions on Power Systems, 2022, 37, 1471-1481.	6.5	8
7	Linear Convergence of First- and Zeroth-Order Primal–Dual Algorithms for Distributed Nonconvex Optimization. IEEE Transactions on Automatic Control, 2022, 67, 4194-4201.	5.7	12
8	Influence of Sensor Feedback Limitations on Power Oscillation Damping and Transient Stability. IEEE Transactions on Power Systems, 2022, 37, 901-912.	6.5	2
9	Strategic Hub-Based Platoon Coordination Under Uncertain Travel Times. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8277-8287.	8.0	18
10	Coordinating Vehicle Platoons for Highway Bottleneck Decongestion and Throughput Improvement. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8959-8971.	8.0	14
11	How to Secure Distributed Filters Under Sensor Attacks. IEEE Transactions on Automatic Control, 2022, 67, 2843-2856.	5.7	23
12	Remote State Estimation With Smart Sensors Over Markov Fading Channels. IEEE Transactions on Automatic Control, 2022, 67, 2743-2757.	5.7	22
13	Optimal LQG Control of Networked Systems Under Traffic-Correlated Delay and Dropout. , 2022, 6, 1280-1285.		13
14	A Game-Theoretic Framework for Security-Aware Sensor Placement Problem in Networked Control Systems. IEEE Transactions on Automatic Control, 2022, 67, 3699-3706.	5.7	10
15	Optimal Privacy-Aware Estimation. IEEE Transactions on Automatic Control, 2022, 67, 2253-2266.	5.7	3
16	Feedback Control Over Noisy Channels: Characterization of a General Equilibrium. IEEE Transactions on Automatic Control, 2022, 67, 3396-3409.	5.7	4
17	Temporal Logic Trees for Model Checking and Control Synthesis of Uncertain Discrete-Time Systems. IEEE Transactions on Automatic Control, 2022, 67, 5071-5086.	5.7	4
18	Secure Networked Control Systems. Annual Review of Control, Robotics, and Autonomous Systems, 2022, 5, 445-464.	11.8	21

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19	Impact of Network Topology on the Resilience of Vehicle Platoons. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15166-15177.	8.0	18
20	How vulnerable is innovation-based remote state estimation: Fundamental limits under linear attacks. Automatica, 2022, 136, 110079.	5.0	9
21	A Randomized Filtering Strategy Against Inference Attacks on Active Steering Control Systems. IEEE Transactions on Information Forensics and Security, 2022, 17, 16-27.	6.9	5
22	Edge Deletion Algorithms for Minimizing Spread in SIR Epidemic Models. SIAM Journal on Control and Optimization, 2022, 60, S246-S273.	2.1	1
23	Geometrical Characterization of Sensor Placement for Cone-Invariant and Multi-Agent Systems against Undetectable Zero-Dynamics Attacks. SIAM Journal on Control and Optimization, 2022, 60, 890-916.	2.1	1
24	Event-Triggered Distributed Estimation with Decaying Communication Rate. SIAM Journal on Control and Optimization, 2022, 60, 992-1017.	2.1	2
25	A Primal-Dual SGD Algorithm for Distributed Nonconvex Optimization. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 812-833.	13.1	10
26	Zeroth-order algorithms for stochastic distributed nonconvex optimization. Automatica, 2022, 142, 110353.	5.0	6
27	Robust Slip-Aware Fusion for Mobile Robots State Estimation. IEEE Robotics and Automation Letters, 2022, 7, 7896-7903.	5.1	2
28	Platoon-actuated variable area mainstream traffic control for bottleneck decongestion. European Journal of Control, 2022, 68, 100687.	2.6	3
29	Rollout approach to sensor scheduling for remote state estimation under integrity attack. Automatica, 2022, 144, 110473.	5.0	2
30	Distributed Bandit Online Convex Optimization With Time-Varying Coupled Inequality Constraints. IEEE Transactions on Automatic Control, 2021, 66, 4620-4635.	5.7	42
31	Linearly Solvable Mean-Field Traffic Routing Games. IEEE Transactions on Automatic Control, 2021, 66, 880-887.	5.7	10
32	Hybrid Reinforcement Learning Control for a Micro Quadrotor Flight. , 2021, 5, 505-510.		26
33	A Cross-Layer Optimal Co-Design of Control and Networking in Time-Sensitive Cyber-Physical Systems. , 2021, 5, 917-922.		12
34	Sparse Linear Injection Attack on Multi-Agent Consensus Control Systems. , 2021, 5, 665-670.		18
35	On Spectral Properties of Signed Laplacians With Connections to Eventual Positivity. IEEE Transactions on Automatic Control, 2021, 66, 2177-2190.	5.7	11
36	Event-Triggered Model Predictive Control With a Statistical Learning. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2571-2581.	9.3	37

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37	Computing Probabilistic Controlled Invariant Sets. IEEE Transactions on Automatic Control, 2021, 66, 3138-3151.	5.7	5
38	Analysis and Distributed Control of Periodic Epidemic Processes. IEEE Transactions on Control of Network Systems, 2021, 8, 123-134.	3.7	15
39	Active Detection Against Replay Attack: A Survey on Watermark Design for Cyber-Physical Systems. Lecture Notes in Control and Information Sciences, 2021, , 145-171.	1.0	7
40	Event-Triggered and Self-Triggered Control. , 2021, , 724-730.		7
41	Learning-based Traffic State Reconstruction using Probe Vehicles. IFAC-PapersOnLine, 2021, 54, 87-92.	0.9	6
42	Assume/Guarantee Contracts for Dynamical Systems: Theory and Computational Tools. IFAC-PapersOnLine, 2021, 54, 25-30.	0.9	8
43	Multi-hop sensor network scheduling for optimal remote estimation. Automatica, 2021, 127, 109498.	5.0	8
44	Invariant cover: Existence, cardinality bounds, and computation. Automatica, 2021, 129, 109588.	5.0	3
45	A Graph-Theoretic Equilibrium Analysis of Attacker-Defender Game on Consensus Dynamics Under $\mathcal{H}_2$ Performance Metric. IEEE Transactions on Network Science and Engineering, 2021, 8, 1991-2000.	6.4	13
46	Delay-Sensitive Joint Optimal Control and Resource Management in Multiloop Networked Control Systems. IEEE Transactions on Control of Network Systems, 2021, 8, 1093-1106.	3.7	11
47	Analysis and Design of Vehicle Platooning Operations on Mixed-Traffic Highways. IEEE Transactions on Automatic Control, 2021, 66, 4715-4730.	5.7	17
48	Multi-Agent Formation Tracking for Autonomous Surface Vehicles. IEEE Transactions on Control Systems Technology, 2021, 29, 2287-2298.	5.2	32
49	Distributed Design of Robust Kalman Filters Over Corrupted Channels. IEEE Transactions on Signal Processing, 2021, 69, 2422-2434.	5.3	7
50	Distributed control under compromised measurements: Resilient estimation, attack detection, and vehicle platooning. Automatica, 2021, 134, 109953.	5.0	12
51	Control of Networked Dynamical System with Input Saturation. Systems and Control: Foundations and Applications, 2021, , 85-98.	0.3	0
52	Multi-robot Rendezvous. Systems and Control: Foundations and Applications, 2021, , 141-156.	0.3	0
53	Spacecraft Formation Flying. Systems and Control: Foundations and Applications, 2021, , 125-139.	0.3	0
54	Modulus Consensus. Systems and Control: Foundations and Applications, 2021, , 71-82.	0.3	0

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55	Cooperative Circumnavigation for aÂMobile Target Using Adaptive Estimation. Lecture Notes in Electrical Engineering, 2021, , 33-48.	0.4	3
56	Suppressing the endemic equilibrium in SIS epidemics: A state dependent approach. IFAC-PapersOnLine, 2021, 54, 163-168.	0.9	2
57	Set-Membership Estimation in Shared Situational Awareness for Automated Vehicles in Occluded Scenarios. , 2021, , .		9
58	Automatic Overtaking on Two-way Roads with Vehicle Interactions Based on Proximal Policy Optimization. , 2021, , .		7
59	Algal Bloom Front Tracking Using an Unmanned Surface Vehicle: Numerical Experiments Based on Baltic Sea Data. , 2021, , .		1
60	Event-Triggered Distributed Model Predictive Control for Platoon Coordination at Hubs in a Transport System. , 2021, , .		7
61	Optimal CPU Scheduling in Data Centers via a Finite-Time Distributed Quantized Coordination Mechanism. , 2021, , .		13
62	Distributed Event-Triggered Learning-Based Control for Nonlinear Multi-Agent Systems. , 2021, , .		2
63	Computing Complexity-aware Plans Using Kolmogorov Complexity. , 2021, , .		2
64	Security measure allocation for industrial control systems: Exploiting systematic search techniques and submodularity. International Journal of Robust and Nonlinear Control, 2020, 30, 4278-4302.	3.7	5
65	Estimating the Impact of Cyber-Attack Strategies for Stochastic Networked Control Systems. IEEE Transactions on Control of Network Systems, 2020, 7, 747-757.	3.7	28
66	A Predictive Framework for Dynamic Heavy-Duty Vehicle Platoon Coordination. ACM Transactions on Cyber-Physical Systems, 2020, 4, 1-25.	2.5	18
67	Disturbance observer approach for fuel-efficient heavy-duty vehicle platooning. Vehicle System Dynamics, 2020, 58, 748-767.	3.7	15
68	Distributed Online Convex Optimization With Time-Varying Coupled Inequality Constraints. IEEE Transactions on Signal Processing, 2020, 68, 731-746.	5.3	82
69	Joint Cross-Layer Optimization in Real-Time Networked Control Systems. IEEE Transactions on Control of Network Systems, 2020, 7, 1903-1915.	3.7	26
70	Where Freshness Matters in the Control Loop: Mixed Age-of-Information and Event-Based Co-Design for Multi-Loop Networked Control Systems. Journal of Sensor and Actuator Networks, 2020, 9, 43.	3.9	11
71	Finite-time consensus protocols for multi-dimensional multi-agent systems. Control Theory and Technology, 2020, 18, 419-430.	1.6	0
72	A Dynamical Game Approach for Integrated Stabilization and Path Tracking for Autonomous Vehicles. , 2020, , .		10

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73	Analysis of free recall dynamics of an abstract working memory model. , 2020, , .		1
74	Linear System Identification Under Multiplicative Noise from Multiple Trajectory Data. , 2020, , .		12
75	A Distributed Primal-Dual Algorithm for Bandit Online Convex Optimization with Time-Varying Coupled Inequality Constraints. , 2020, , .		2
76	Actuator Security Indices Based on Perfect Undetectability: Computation, Robustness, and Sensor Placement. IEEE Transactions on Automatic Control, 2020, 65, 3816-3831.	5.7	17
77	Secure State Estimation With Byzantine Sensors: A Probabilistic Approach. IEEE Transactions on Automatic Control, 2020, 65, 3742-3757.	5.7	17
78	Efficient Verification of Observability and Reconstructibility for Large Boolean Control Networks With Special Structures. IEEE Transactions on Automatic Control, 2020, 65, 5144-5158.	5.7	47
79	Learning Optimal Scheduling Policy for Remote State Estimation Under Uncertain Channel Condition. IEEE Transactions on Control of Network Systems, 2020, 7, 579-591.	3.7	25
80	An Online Approach to Physical Watermark Design. IEEE Transactions on Automatic Control, 2020, 65, 3895-3902.	5.7	27
81	Exponential Convergence for Distributed Optimization Under the Restricted Secant Inequality Condition. IFAC-PapersOnLine, 2020, 53, 2672-2677.	0.9	6
82	Dynamic Traffic Reconstruction using Probe Vehicles. , 2020, , .		4
83	Numerical Investigation of Traffic State Reconstruction and Control Using Connected Automated Vehicles. , 2020, , .		2
84	Control Limitations due to Zero Dynamics in a Single-Machine Infinite Bus Network. IFAC-PapersOnLine, 2020, 53, 13531-13538.	0.9	2
85	Data-Driven Distributed Mitigation Strategies and Analysis of Mutating Epidemic Processes. , 2020, , .		3
86	Distributed Learning Model Predictive Control for Linear Systems. , 2020, , .		6
87	Community Detection for Gossip Dynamics with Stubborn Agents. , 2020, , .		4
88	Reinforcement Learning Based Approach for Flip Attack Detection. , 2020, , .		2
89	Dimensionality Reduction of Volterra Kernels by Tensor Decomposition using Higher-Order SVD. , 2020, , .		0
90	An Optimal Linear Attack Strategy on Remote State Estimation. IFAC-PapersOnLine, 2020, 53, 3527-3532.	0.9	5

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91	Truck Platoon Formation at Hubs: An Optimal Release Time Rule. IFAC-PapersOnLine, 2020, 53, 15312-15318.	0.9	2
92	Event-triggered PI control of time-delay systems with parametric uncertainties. IFAC-PapersOnLine, 2020, 53, 2739-2744.	0.9	2
93	Private routing and ride‑sharing using homomorphic encryption. IET Cyber-Physical Systems: Theory and Applications, 2020, 5, 311-320.	3.3	3
94	Probabilistic Characterization of Target Set and Region of Attraction for Discrete-time Control Systems. , 2020, , .		0
95	Nonlinear Consensus Protocols With Applications to Quantized Communication and Actuation. IEEE Transactions on Control of Network Systems, 2019, 6, 598-608.	3.7	18
96	Power Grid AC-Based State Estimation: Vulnerability Analysis Against Cyber Attacks. IEEE Transactions on Automatic Control, 2019, 64, 1784-1799.	5.7	68
97	Optimal LQG Control Under Delay-Dependent Costly Information. , 2019, 3, 102-107.		26
98	Design of Attack-Resilient Consensus Dynamics: A Game-Theoretic Approach. , 2019, , .		9
99	Robust self-triggered control for time-varying and uncertain constrained systems via reachability analysis. Automatica, 2019, 107, 574-581.	5.0	8
100	Preface to the Focused Issue on Dynamic Games in Cyber Security. Dynamic Games and Applications, 2019, 9, 881-883.	1.9	0
101	Networked Operation of a UAV Using Gaussian Process-Based Delay Compensation and Model Predictive Control. , 2019, , .		3
102	A Graph-Theoretic Approach to the ${mathcal{H}}_{infty}$ Performance of Leader–Follower Consensus on Directed Networks. , 2019, 3, 954-959.		8
103	Optimal Decision Fusion Under Order Effects. IFAC-PapersOnLine, 2019, 51, 53-60.	0.9	0
104	Human-robot interaction for truck platooning using hierarchical dynamic games. , 2019, , .		14
105	Scheduling networked state estimators based on Value of Information. Automatica, 2019, 110, 108578.	5.0	18
106	Secure Estimation and Zero-Error Secrecy Capacity. IEEE Transactions on Automatic Control, 2019, 64, 1047-1062.	5.7	19
107	A hybrid machine-learning and optimization method for contraflow design in post-disaster cases and traffic management scenarios. Expert Systems With Applications, 2019, 124, 67-81.	7.6	15
108	Distributed Energy Resource Coordination Over Time-Varying Directed Communication Networks. IEEE Transactions on Control of Network Systems, 2019, 6, 1124-1134.	3.7	53

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109	A survey of distributed optimization. Annual Reviews in Control, 2019, 47, 278-305.	7.9	427
110	A systems and control perspective of CPS security. Annual Reviews in Control, 2019, 47, 394-411.	7.9	293
111	Sampling rate optimization for IEEE 802.11 wireless control systems. , 2019, , .		8
112	A PDE approach to deployment of mobile agents under leader relative position measurements. Automatica, 2019, 106, 47-53.	5.0	20
113	Information-theoretic approaches to privacy in estimation and control. Annual Reviews in Control, 2019, 47, 412-422.	7.9	29
114	Network Scheduling and Control Co-Design for Multi-Loop MPC. IEEE Transactions on Automatic Control, 2019, 64, 5238-5245.	5.7	18
115	Two-way coding in control systems under injection attacks. , 2019, , .		6
116	Stealthy Adversaries Against Uncertain Cyber-Physical Systems: Threat of Robust Zero-Dynamics Attack. IEEE Transactions on Automatic Control, 2019, 64, 4907-4919.	5.7	65
117	Persistent Flows in Deterministic Chains. IEEE Transactions on Automatic Control, 2019, 64, 2766-2781.	5.7	5
118	Contracts as specifications for dynamical systems in driving variable form. , 2019, , .		10
119	Stop-and-go wave dissipation using accumulated controlled moving bottlenecks in multi-class CTM framework. , 2019, , .		9
120	A Distributed Algorithm for Online Convex Optimization with Time-Varying Coupled Inequality Constraints. , 2019, , .		2
121	Generic Variance Bounds on Estimation and Prediction Errors in Time Series Analysis: An Entropy Perspective. , 2019, , .		5
122	Event-based Switching for Sampled-data Output Feedback Control: Applications to Cascade and Feedforward Control*. , 2019, , .		1
123	Performance Characterization Using AoI in a Single-loop Networked Control System. , 2019, , .		42
124	Hierarchical Model Decomposition for Distributed Design of Glocal Controllers. , 2019, , .		2
125	Secure Distributed Filtering for Unstable Dynamics Under Compromised Observations. , 2019, , .		15
126	Network Weight Estimation for Binary-Valued Observation Models. , 2019, , .		1

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127	Distributed Parameter Estimation Under Event-triggered Communications. , 2019, , .		1
128	Synchronization of quadratic integrate-and-fire spiking neurons: Constant versus voltage-dependent couplings. , 2019, , .		1
129	Cooperative decentralised circumnavigation with application to algal bloom tracking. , 2019, , .		5
130	Stochastic Modeling and Optimal Control for Automated Overtaking. , 2019, , .		4
131	Efficient networked UAV control using event-triggered predictive control. IFAC-PapersOnLine, 2019, 52, 412-417.	0.9	7
132	Networked Model for Cooperative Adaptive Cruise Control. IFAC-PapersOnLine, 2019, 52, 151-156.	0.9	16
133	A Game-theoretic Framework for Security-aware Sensor Placement Problem in Networked Control Systems. , 2019, , .		9
134	Distributed event-triggered control for global consensus of multi-agent systems with input saturation. Automatica, 2019, 100, 1-9.	5.0	118
135	Generalized Sarymsakov Matrices. IEEE Transactions on Automatic Control, 2019, 64, 3085-3100.	5.7	9
136	Dynamic Event-Triggered and Self-Triggered Control for Multi-agent Systems. IEEE Transactions on Automatic Control, 2019, 64, 3300-3307.	5.7	284
137	Fundamental Performance Limitations in Utilizing HVDC to Damp Interarea Modes. IEEE Transactions on Power Systems, 2019, 34, 1095-1104.	6.5	10
138	Worst-Case Innovation-Based Integrity Attacks With Side Information on Remote State Estimation. IEEE Transactions on Control of Network Systems, 2019, 6, 48-59.	3.7	47
139	Toward Wireless Control in Industrial Process Automation: A Case Study at a Paper Mill. IEEE Control Systems, 2019, 39, 36-57.	0.8	43
140	Robust MPC for tracking constrained unicycle robots with additive disturbances. Automatica, 2018, 90, 172-184.	5.0	97
141	Finite-Time Attitude Synchronization With Distributed Discontinuous Protocols. IEEE Transactions on Automatic Control, 2018, 63, 3608-3615.	5.7	18
142	Wireless Network Design for Control Systems: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 978-1013.	39.4	303
143	The Interconnection of Quadratic Droop Voltage Controllers Is a Lotka-Volterra System: Implications for Stability Analysis. , 2018, 2, 218-223.		8
144	Peer-to-Peer Gradient Topologies in Networks With Churn. IEEE Transactions on Control of Network Systems, 2018, 5, 2085-2095.	3.7	14

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145	Worst-case stealthy innovation-based linear attack on remote state estimation. Automatica, 2018, 89, 117-124.	5.0	177
146	Energy Management Systems for Intelligent Buildings in Smart Grids. Advances in Industrial Control, 2018, , 253-291.	0.5	4
147	Mitigating Quantization Effects on Distributed Sensor Fusion: A Least Squares Approach. IEEE Transactions on Signal Processing, 2018, 66, 3459-3474.	5.3	26
148	Information Patterns in the Modeling and Design of Mobility Management Services. Proceedings of the IEEE, 2018, 106, 554-576.	21.3	21
149	Distributed time synchronization for networks with random delays and measurement noise. Automatica, 2018, 93, 126-137.	5.0	22
150	Stochastic self-triggered model predictive control for linear systems with probabilistic constraints. Automatica, 2018, 92, 9-17.	5.0	35
151	Quickest Change Detection in Adaptive Censoring Sensor Networks. IEEE Transactions on Control of Network Systems, 2018, 5, 239-250.	3.7	5
152	Asynchronous Distributed Blind Calibration of Sensor Networks Under Noisy Measurements. IEEE Transactions on Control of Network Systems, 2018, 5, 571-582.	3.7	17
153	Causality Countermeasures for Anomaly Detection in Cyber-Physical Systems. IEEE Transactions on Automatic Control, 2018, 63, 386-401.	5.7	52
154	Fuel-Efficient En Route Formation of Truck Platoons. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 102-112.	8.0	75
155	Infinite Horizon Optimal Transmission Power Control for Remote State Estimation Over Fading Channels. IEEE Transactions on Automatic Control, 2018, 63, 85-100.	5.7	57
156	Kalman Filtering Over Gilbertâ€"Elliott Channels: Stability Conditions and Critical Curve. IEEE Transactions on Automatic Control, 2018, 63, 1003-1017.	5.7	20
157	Distributed Sensor and Actuator Reconfiguration for Fault-Tolerant Networked Control Systems. IEEE Transactions on Control of Network Systems, 2018, 5, 1517-1528.	3.7	15
158	Distributed nonlinear model predictive control based on contraction theory. International Journal of Robust and Nonlinear Control, 2018, 28, 492-503.	3.7	12
159	Cloud-Supported Formation Control of Second-Order Multiagent Systems. IEEE Transactions on Control of Network Systems, 2018, 5, 1563-1574.	3.7	28
160	Generalized PID Synchronization of Higher Order Nonlinear Systems With a Recursive Lyapunov Approach. IEEE Transactions on Control of Network Systems, 2018, 5, 1608-1621.	3.7	4
161	A Frequency-Domain Characterization of Optimal Error Covariance for the Kalman-Bucy Filter. , 2018, , .		2
162	Event-triggered Feedforward Control subject to Actuator Saturation for Disturbance Compensation. , 2018, , .		4

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163	Quantifying the Impact of Cyber-Attack Strategies for Control Systems Equipped With an Anomaly Detector. , 2018, , .		12
164	Distributed Optimization with Dynamic Event-Triggered Mechanisms. , 2018, , .		22
165	Distributed Optimization for Second-Order Multi-Agent Systems with Dynamic Event-Triggered Communication. , 2018, , .		54
166	Delay Analysis of Group Handover for Real-Time Control over Mobile Networks. , 2018, , .		5
167	On Consensus-Based Distributed Blind Calibration of Sensor Networks. Sensors, 2018, 18, 4027.	3.8	10
168	An On-line Design of Physical Watermarks. , 2018, , .		8
169	Cloud-Supported Self-Triggered Control for Multi-Agent Circumnavigation. , 2018, , .		0
170	Synchronization of Kuramoto Oscillators in a Bidirectional Frequency-Dependent Tree Network. , 2018, , .		6
171	State-dependent Data Queuing in Shared-resource Networked Control Systems. , 2018, , .		1
172	Stochastic Control Formulation of The Car Overtake Problem. IFAC-PapersOnLine, 2018, 51, 124-129.	0.9	7
173	Secure Static State Estimation: A Large Deviation Approach. IFAC-PapersOnLine, 2018, 51, 289-294.	0.9	2
174	Linearly Solvable Mean-Field Road Traffic Games. , 2018, , .		3
175	A Security Index for Actuators Based on Perfect Undetectability: Properties and Approximation. , 2018, , .		5
176	Distributed Contention Resolution in Broadcast Control Systems. , 2018, , .		0
177	Event-based Observer and MPC with Disturbance Attenuation using ERM Learning. , 2018, , .		1
178	Multi-Fleet Platoon Matching: A Game-Theoretic Approach. , 2018, , .		23
179	LQG Control and Scheduling Co-Design for Wireless Sensor and Actuator Networks. , 2018, , .		3
180	Fuel-optimal look-ahead adaptive cruise control for heavy-duty vehicles. , 2018, , .		6

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181	Retrofit control: Localization of controller design and implementation. Automatica, 2018, 95, 336-346.	5.0	32
182	Modeling the Impact of Vehicle Platooning on Highway Congestion. , 2018, , .		22
183	Privacy of Information Sharing Schemes in a Cloud-based Multi-sensor Estimation Problem. , 2018, , .		3
184	Kalman Filtering Over Fading Channels: Zeroâ€"One Laws and Almost Sure Stabilities. IEEE Transactions on Information Theory, 2018, 64, 6731-6742.	2.4	4
185	Coded Control over Lossy Networks. , 2018, , .		0
186	Stability of Positive Switched Linear Systems: Weak Excitation and Robustness to Time-Varying Delay. IEEE Transactions on Automatic Control, 2017, 62, 399-405.	5.7	54
187	Attitude Coordinated Control of Multiple Underactuated Axisymmetric Spacecraft. IEEE Transactions on Control of Network Systems, 2017, 4, 816-825.	3.7	23
188	Optimal Linear Cyber-Attack on Remote State Estimation. IEEE Transactions on Control of Network Systems, 2017, 4, 4-13.	3.7	324
189	Cooperative Look-Ahead Control for Fuel-Efficient and Safe Heavy-Duty Vehicle Platooning. IEEE Transactions on Control Systems Technology, 2017, 25, 12-28.	5.2	285
190	Coordination of Multi-agent Systems with Intermittent Access to a Cloud Repository. Lecture Notes in Control and Information Sciences, 2017, , 453-471.	1.0	1
191	String Stability and a Delay-Based Spacing Policy for Vehicle Platoons Subject to Disturbances. IEEE Transactions on Automatic Control, 2017, 62, 4376-4391.	5.7	230
192	Cooperative MPC-Based Energy Management for Networked Microgrids. IEEE Transactions on Smart Grid, 2017, 8, 3066-3074.	9.0	181
193	Targeted agreement of multiple Lagrangian systems. Automatica, 2017, 84, 109-116.	5.0	28
194	Indoor Localization Without a Prior Map by Trajectory Learning From Crowdsourced Measurements. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2825-2835.	4.7	28
195	Performance and scalability of voltage controllers in multi-terminal HVDC networks. , 2017, , .		9
196	Optimal innovation-based deception attack on remote state estimation. , 2017, , .		17
197	Distributed Optimal Dispatch of Distributed Energy Resources Over Lossy Communication Networks. IEEE Transactions on Smart Grid, 2017, 8, 3125-3137.	9.0	59
198	A Distributed Algorithm for Economic Dispatch Over Time-Varying Directed Networks With Delays. IEEE Transactions on Industrial Electronics, 2017, 64, 5095-5106.	7.9	183

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199	Cross-Layer Optimization for Industrial Control Applications Using Wireless Sensor and Actuator Mesh Networks. IEEE Transactions on Industrial Electronics, 2017, 64, 3250-3259.	7.9	43
200	Quickest Change Detection With Observation Scheduling. IEEE Transactions on Automatic Control, 2017, 62, 2635-2647.	5.7	12
201	Exploiting Submodularity in Security Measure Allocation for Industrial Control Systems. , 2017, , .		4
202	Event-triggered control for multi-agent systems with output saturation. , 2017, , .		4
203	Wireless sensor network scheduling for remote estimation under energy constraints. , 2017, , .		9
204	Event-triggered model predictive control with machine learning for compensation of model uncertainties. , 2017, , .		9
205	Path planning for remotely controlled UAVs using Gaussian process filter. , 2017, , .		7
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