Karl Henrik Johansson

List of Publications by Year
in descending order

581 papers	23,537 citations	15466 65 h-index	15218 126 g-index
590 all docs	590 docs citations	590 times ranked	10541 citing authors

#	Article	IF	Citations
1	Distributed Event-Triggered Control for Multi-Agent Systems. IEEE Transactions on Automatic Control, 2012, 57, 1291-1297.	3.6	1,917
2	Event-based broadcasting for multi-agent average consensus. Automatica, 2013, 49, 245-252.	3.0	1,027
3	A secure control framework for resource-limited adversaries. Automatica, 2015, 51, 135-148.	3.0	833
4	On the regularization of Zeno hybrid automata. Systems and Control Letters, 1999, 38, 141-150.	1.3	436
5	A survey of distributed optimization. Annual Reviews in Control, 2019, 47, 278-305.	4.4	427
6	Event-Based Sensor Data Scheduling: Trade-Off Between Communication Rate and Estimation Quality. IEEE Transactions on Automatic Control, 2013, 58, 1041-1046.	3.6	393
7	Distributed fault detection for interconnected second-order systems. Automatica, 2011, 47, 2757-2764.	3.0	357
8	Optimal Linear Cyber-Attack on Remote State Estimation. IEEE Transactions on Control of Network Systems, 2017, 4, 4-13.	2.4	324
9	Attack models and scenarios for networked control systems. , 2012, , .		315
10	Wireless Network Design for Control Systems: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 978-1013.	24.8	303
11	Global consensus for discrete-time multi-agent systems with input saturation constraints. Automatica, 2014, 50, 499-506.	3.0	293
12	A systems and control perspective of CPS security. Annual Reviews in Control, 2019, 47, 394-411.	4.4	293
13	Cooperative Look-Ahead Control for Fuel-Efficient and Safe Heavy-Duty Vehicle Platooning. IEEE Transactions on Control Systems Technology, 2017, 25, 12-28.	3.2	285
14	Dynamic Event-Triggered and Self-Triggered Control for Multi-agent Systems. IEEE Transactions on Automatic Control, 2019, 64, 3300-3307.	3.6	284
15	Cyber security analysis of state estimators in electric power systems. , 2010, , .		276
16	Heavy-Duty Vehicle Platooning for Sustainable Freight Transportation: A Cooperative Method to Enhance Safety and Efficiency. IEEE Control Systems, 2015, 35, 34-56.	1.0	269
17	Reaching an Optimal Consensus: Dynamical Systems That Compute Intersections of Convex Sets. IEEE Transactions on Automatic Control, 2013, 58, 610-622.	3.6	235
18	Stability analysis for multi-agent systems using the incidence matrix: Quantized communication and formation control. Automatica, 2010, 46, 695-700.	3.0	231

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19	String Stability and a Delay-Based Spacing Policy for Vehicle Platoons Subject to Disturbances. IEEE Transactions on Automatic Control, 2017, 62, 4376-4391.	3.6	230
20	An experimental study on the fuel reduction potential of heavy duty vehicle platooning. , 2010, , .		225
21	Distributed Control of Networked Dynamical Systems: Static Feedback, Integral Action and Consensus. IEEE Transactions on Automatic Control, 2014, 59, 1750-1764.	3.6	221
22	Distributed Seeking of Nash Equilibria With Applications to Mobile Sensor Networks. IEEE Transactions on Automatic Control, 2012, 57, 904-919.	3.6	217
23	Heavy-Duty Vehicle Platoon Formation for Fuel Efficiency. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1051-1061.	4.7	209
24	Structural Balance and Opinion Separation in Trustâ€"Mistrust Social Networks. IEEE Transactions on Control of Network Systems, 2016, 3, 46-56.	2.4	203
25	Zeno hybrid systems. International Journal of Robust and Nonlinear Control, 2001, 11, 435-451.	2.1	192
26	Subgradient methods and consensus algorithms for solving convex optimization problems. , 2008, , .		191
27	Revealing stealthy attacks in control systems. , 2012, , .		189
28	A Distributed Algorithm for Economic Dispatch Over Time-Varying Directed Networks With Delays. IEEE Transactions on Industrial Electronics, 2017, 64, 5095-5106.	5.2	183
29	Event-triggered control for multi-agent systems. , 2009, , .		182
30	Cooperative MPC-Based Energy Management for Networked Microgrids. IEEE Transactions on Smart Grid, 2017, 8, 3066-3074.	6.2	181
31	Worst-case stealthy innovation-based linear attack on remote state estimation. Automatica, 2018, 89, 117-124.	3.0	177
32	A generalized Markov chain model for effective analysis of slotted IEEE 802.15.4. , 2009, , .		163
33	Lie bracket approximation of extremum seeking systems. Automatica, 2013, 49, 1538-1552.	3.0	161
34	Networked control systems under cyber attacks with applications to power networks. , 2010, , .		153
35	Scheduling smart home appliances using mixed integer linear programming. , 2011, , .		151
36	Behaviors of networks with antagonistic interactions and switching topologies. Automatica, 2016, 73, 110-116.	3.0	151

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37	SELF-OSCILLATIONS AND SLIDING IN RELAY FEEDBACK SYSTEMS: SYMMETRY AND BIFURCATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 1121-1140.	0.7	147
38	Event-Triggered Pinning Control of Switching Networks. IEEE Transactions on Control of Network Systems, 2015, 2, 204-213.	2.4	147
39	Distributed Fault Detection and Isolation Resilient to Network Model Uncertainties. IEEE Transactions on Cybernetics, 2014, 44, 2024-2037.	6.2	131
40	State Estimation Over Sensor Networks With Correlated Wireless Fading Channels. IEEE Transactions on Automatic Control, 2013, 58, 581-593.	3.6	125
41	System Architectures, Protocols and Algorithms for Aperiodic Wireless Control Systems. IEEE Transactions on Industrial Informatics, 2014, 10, 175-184.	7.2	122
42	Distributed event-triggered control for global consensus of multi-agent systems with input saturation. Automatica, 2019, 100, 1-9.	3.0	118
43	Vehicle Applications of Controller Area Network. , 2005, , 741-765.		117
44	Fast switches in relay feedback systems. Automatica, 1999, 35, 539-552.	3.0	116
45	Modeling and Optimization of the IEEE 802.15.4 Protocol for Reliable and Timely Communications. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 550-564.	4.0	116
46	Robust Consensus for Continuous-Time Multiagent Dynamics. SIAM Journal on Control and Optimization, 2013, 51, 3673-3691.	1.1	111
47	Nash Equilibrium Computation in Subnetwork Zero-Sum Games With Switching Communications. IEEE Transactions on Automatic Control, 2016, 61, 2920-2935.	3.6	108
48	Road grade estimation for look-ahead vehicle control using multiple measurement runs. Control Engineering Practice, 2010, 18, 1328-1341.	3.2	107
49	Dynamic quantization of uncertain linear networked control systems. Automatica, 2015, 59, 248-255.	3.0	106
50	Networked Control With Stochastic Scheduling. IEEE Transactions on Automatic Control, 2015, 60, 3071-3076.	3.6	106
51	On the stability of distance-based formation control. , 2008, , .		104
52	Connectivity and Set Tracking of Multi-Agent Systems Guided by Multiple Moving Leaders. IEEE Transactions on Automatic Control, 2012, 57, 663-676.	3.6	100
53	Compositional Modeling and Analysis of Multi-Hop Control Networks. IEEE Transactions on Automatic Control, 2011, 56, 2345-2357.	3.6	98
54	Distributed model based event-triggered control for synchronization of multi-agent systems. Automatica, 2016, 73, 1-7.	3.0	98

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55	Robust MPC for tracking constrained unicycle robots with additive disturbances. Automatica, 2018, 90, 172-184.	3.0	97
56	On the Exact Solution to a Smart Grid Cyber-Security Analysis Problem. IEEE Transactions on Smart Grid, 2013, 4, 856-865.	6.2	95
57	A Distributed Framework for Coordinated Heavy-Duty Vehicle Platooning. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 419-429.	4.7	94
58	Efficient Computations of a Security Index for False Data Attacks in Power Networks. IEEE Transactions on Automatic Control, 2014, 59, 3194-3208.	3.6	92
59	Experimental evaluation of decentralized cooperative cruise control for heavy-duty vehicle platooning. Control Engineering Practice, 2015, 38, 11-25.	3.2	91
60	Distributed event–based control strategies for interconnected linear systems. IET Control Theory and Applications, 2013, 7, 877-886.	1.2	90
61	Distributed and Collaborative Estimation over Wireless Sensor Networks. , 2006, , .		89
62	Leader–Follower Coordinated Tracking of Multiple Heterogeneous Lagrange Systems Using Continuous Control. IEEE Transactions on Robotics, 2014, 30, 739-745.	7.3	88
63	Linear model predictive control for lane keeping and obstacle avoidance on low curvature roads. , 2013, , .		86
64	Guaranteeing safety for heavy duty vehicle platooning: Safe set computations and experimental evaluations. Control Engineering Practice, 2014, 24, 33-41.	3.2	85
65	On decentralized negotiation of optimal consensus. Automatica, 2008, 44, 1175-1179.	3.0	84
66	Multiple-Loop Self-Triggered Model Predictive Control for Network Scheduling and Control. IEEE Transactions on Control Systems Technology, 2015, 23, 2167-2181.	3.2	84
67	Distributed Online Convex Optimization With Time-Varying Coupled Inequality Constraints. IEEE Transactions on Signal Processing, 2020, 68, 731-746.	3.2	82
68	Further results on the stability of distance-based multi-robot formations. , 2009, , .		79
69	On robust synchronization of heterogeneous linear multi-agent systems with static couplings. Automatica, 2015, 53, 392-399.	3.0	77
70	Breath: An Adaptive Protocol for Industrial Control Applications Using Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2011, 10, 821-838.	3.9	75
71	Fuel-Efficient En Route Formation of Truck Platoons. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 102-112.	4.7	75
72	Consensus under communication delays. , 2008, , .		74

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73	Quantized Control Under Round-Robin Communication Protocol. IEEE Transactions on Industrial Electronics, 2016, 63, 4461-4471.	5.2	74
74	The Evolution of Beliefs over Signed Social Networks. Operations Research, 2016, 64, 585-604.	1.2	73
75	Approximate Projected Consensus for Convex Intersection Computation: Convergence Analysis and Critical Error Angle. IEEE Transactions on Automatic Control, 2014, 59, 1722-1736.	3.6	71
76	Coordinated output regulation of heterogeneous linear systems under switching topologies. Automatica, 2015, 53, 362-368.	3.0	71
77	Cyberâ€"Physical Control of Road Freight Transport. Proceedings of the IEEE, 2016, 104, 1128-1141.	16.4	71
78	Decentralized connectivity maintenance in mobile networks with bounded inputs. , 2008, , .		69
79	Actuator saturation and anti-windup compensation in event-triggered control. Discrete Event Dynamic Systems: Theory and Applications, 2014, 24, 173-197.	0.6	68
80	Power Grid AC-Based State Estimation: Vulnerability Analysis Against Cyber Attacks. IEEE Transactions on Automatic Control, 2019, 64, 1784-1799.	3.6	68
81	Averaging of nonsmooth systems using dither. Automatica, 2006, 42, 669-676.	3.0	67
82	Optimal stopping for event-triggered sensing and actuation. , 2008, , .		66
83	Stealthy Adversaries Against Uncertain Cyber-Physical Systems: Threat of Robust Zero-Dynamics Attack. IEEE Transactions on Automatic Control, 2019, 64, 4907-4919.	3.6	65
84	Wireless networked control system co-design. , 2011, , .		63
85	Distributed PI-control with applications to power systems frequency control. , 2014, , .		62
86	Analytical Modeling of Multi-hop IEEE 802.15.4 Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 3191-3208.	3.9	61
87	Randomized optimal consensus of multi-agent systems. Automatica, 2012, 48, 3018-3030.	3.0	60
88	Distributed Optimal Dispatch of Distributed Energy Resources Over Lossy Communication Networks. IEEE Transactions on Smart Grid, 2017, 8, 3125-3137.	6.2	59
89	Infinite Horizon Optimal Transmission Power Control for Remote State Estimation Over Fading Channels. IEEE Transactions on Automatic Control, 2018, 63, 85-100.	3.6	57
90	A Cyber Security Study of a SCADA Energy Management System: Stealthy Deception Attacks on the State Estimator*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 11271-11277.	0.4	56

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91	Design of State-Based Schedulers for a Network of Control Loops. IEEE Transactions on Automatic Control, 2013, 58, 1962-1975.	3.6	55
92	Stability of Positive Switched Linear Systems: Weak Excitation and Robustness to Time-Varying Delay. IEEE Transactions on Automatic Control, 2017, 62, 399-405.	3.6	54
93	Distributed Optimization for Second-Order Multi-Agent Systems with Dynamic Event-Triggered Communication. , 2018, , .		54
94	Event-triggered cooperative control. , 2009, , .		53
95	Distributed Energy Resource Coordination Over Time-Varying Directed Communication Networks. IEEE Transactions on Control of Network Systems, 2019, 6, 1124-1134.	2.4	53
96	Causality Countermeasures for Anomaly Detection in Cyber-Physical Systems. IEEE Transactions on Automatic Control, 2018, 63, 386-401.	3.6	52
97	Finite-Time Consensus Using Stochastic Matrices With Positive Diagonals. IEEE Transactions on Automatic Control, 2015, 60, 1070-1073.	3.6	51
98	Network Synchronization With Nonlinear Dynamics and Switching Interactions. IEEE Transactions on Automatic Control, 2016, 61, 3103-3108.	3.6	51
99	Time and Event-based Sensor Scheduling for Networks with Limited Communication Resources. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13263-13268.	0.4	50
100	Computing Critical k-Tuples in Power Networks. IEEE Transactions on Power Systems, 2012, 27, 1511-1520.	4.6	50
101	Distributed integral action: Stability analysis and frequency control of power systems. , 2012, , .		50
102	Electric power network security analysis via minimum cut relaxation. , 2011, , .		49
103	Dynamical Systems Revisited: Hybrid Systems with Zeno Executions. Lecture Notes in Computer Science, 2000, , 451-464.	1.0	48
104	Distributed dynamic event-triggered control for multi-agent systems. , 2017, , .		48
105	Worst-Case Innovation-Based Integrity Attacks With Side Information on Remote State Estimation. IEEE Transactions on Control of Network Systems, 2019, 6, 48-59.	2.4	47
106	Efficient Verification of Observability and Reconstructibility for Large Boolean Control Networks With Special Structures. IEEE Transactions on Automatic Control, 2020, 65, 5144-5158.	3.6	47
107	How Agreement and Disagreement Evolve over Random Dynamic Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 1061-1071.	9.7	46
108	Using robot mobility to exploit multipath fading. IEEE Wireless Communications, 2009, 16, 30-37.	6.6	45

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109	The Role of Persistent Graphs in the Agreement Seeking of Social Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 595-606.	9.7	45
110	When is it Fuel Efficient for a Heavy Duty Vehicle to Catch Up With a Platoon?. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 738-743.	0.4	45
111	Guest Editorial Special Issue on Wireless Sensor and Actuator Networks. IEEE Transactions on Automatic Control, 2011, 56, 2244-2246.	3.6	44
112	Sensor-network-based robust distributed control and estimation. Control Engineering Practice, 2013, 21, 1238-1249.	3.2	44
113	Distributed algebraic connectivity estimation for undirected graphs with upper and lower bounds. Automatica, 2014, 50, 3253-3259.	3.0	44
114	Cross-Layer Optimization for Industrial Control Applications Using Wireless Sensor and Actuator Mesh Networks. IEEE Transactions on Industrial Electronics, 2017, 64, 3250-3259.	5.2	43
115	Toward Wireless Control in Industrial Process Automation: A Case Study at a Paper Mill. IEEE Control Systems, 2019, 39, 36-57.	1.0	43
116	Estimation of building occupancy levels through environmental signals deconvolution. , 2013, , .		42
117	Performance Characterization Using AoI in a Single-loop Networked Control System. , 2019, , .		42
118	Distributed Bandit Online Convex Optimization With Time-Varying Coupled Inequality Constraints. IEEE Transactions on Automatic Control, 2021, 66, 4620-4635.	3.6	42
119	Fuel-optimal centralized coordination of truck platooning based on shortest paths. , 2015, , .		40
120	Event-triggered strategies for industrial control over wireless networks. , 2008, , .		40
121	Look-ahead cruise control for heavy duty vehicle platooning. , 2013, , .		39
122	The VIKING project: An initiative on resilient control of power networks. , 2009, , .		38
123	Modeling and Analysis of Multi-hop Control Networks. , 2009, , .		38
124	Adaptive IEEE 802.15.4 protocol for energy efficient, reliable and timely communications. , 2010, , .		38
125	Iterative Encoder-Controller Design for Feedback Control Over Noisy Channels. IEEE Transactions on Automatic Control, 2011, 56, 265-278.	3.6	38
126	Data Attack Isolation in Power Networks Using Secure Voltage Magnitude Measurements. IEEE Transactions on Smart Grid, 2014, 5, 14-28.	6.2	38

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127	Generalized Jensen inequalities with application to stability analysis of systems with distributed delays over infinite time-horizons. Automatica, 2016, 69, 222-231.	3.0	38
128	Fuel-saving potentials of platooning evaluated through sparse heavy-duty vehicle position data. , 2014, , .		37
129	Event-Triggered Model Predictive Control With a Statistical Learning. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2571-2581.	5.9	37
130	Collective Circumnavigation. Unmanned Systems, 2014, 02, 219-229.	2.7	36
131	Guest Editorial Special Issue on Control of Cyber-Physical Systems. IEEE Transactions on Automatic Control, 2014, 59, 3120-3121.	3.6	36
132	COMPANION -- Towards Co-operative Platoon Management of Heavy-Duty Vehicles. , 2015, , .		36
133	When adversary encounters uncertain cyber-physical systems: Robust zero-dynamics attack with disclosure resources. , 2016, , .		36
134	Towards a Geometric Theory of Hybrid Systems. Lecture Notes in Computer Science, 2000, , 421-436.	1.0	36
135	On the dual effect in state-based scheduling of networked control systems. , 2011, , .		35
136	Distributed detection and isolation of topology attacks in power networks. , 2012, , .		35
137	Stochastic self-triggered model predictive control for linear systems with probabilistic constraints. Automatica, 2018, 92, 9-17.	3.0	35
138	Fuel-efficient heavy-duty vehicle platooning by look-ahead control. , 2014, , .		34
139	Implementation of a Scenario-based MPC for HVAC Systems: an Experimental Case Study. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 599-605.	0.4	34
140	Regularized Deconvolution-Based Approaches for Estimating Room Occupancies. IEEE Transactions on Automation Science and Engineering, 2015, 12, 1157-1168.	3.4	34
141	Robust acceleration control of a hexarotor UAV with a disturbance observer. , 2016, , .		34
142	Subtleties in the averaging of a class of hybrid systems with applications to power converters. Control Engineering Practice, 2008, 16, 961-975.	3.2	33
143	Self-triggered control over wireless sensor and actuator networks. , 2011, , .		33
144	Consensus based overlapping decentralized fault detection and isolation. , 2010, , .		32

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145	Control of Multi-Agent Systems via Event-based Communication. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 10086-10091.	0.4	32
146	Suboptimal decentralized controller design for chain structures: Applications to vehicle formations. , 2011, , .		32
147	Distributed event-triggered control for non-reliable networks. Journal of the Franklin Institute, 2014, 351, 5250-5273.	1.9	32
148	Retrofit control: Localization of controller design and implementation. Automatica, 2018, 95, 336-346.	3.0	32
149	Multi-Agent Formation Tracking for Autonomous Surface Vehicles. IEEE Transactions on Control Systems Technology, 2021, 29, 2287-2298.	3.2	32
150	Interaction bounds in multivariable control systems. Automatica, 2002, 38, 1045-1051.	3.0	31
151	Distributed Event-Triggered Estimation in Networked Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 178-185.	0.4	31
152	A scenario-based predictive control approach to building HVAC management systems. , 2013, , .		31
153	Voltage control for interconnected microgrids under adversarial actions. , 2015, , .		31
154	Conclusions of the ARTIST2 roadmap on control of computing systems. ACM SIGBED Review, 2006, 3, 11-20.	1.8	30
155	Stability interval for time-varying delay systems. , 2010, , .		30
156	Modeling and stability analysis of hybrid multiple access in the IEEE 802.15.4 protocol. ACM Transactions on Sensor Networks, 2013, 9, 1-55.	2.3	30
157	Demand response for aggregated residential consumers with energy storage sharing. , 2015, , .		30
158	Hybrid Control of a Truck and Trailer Vehicle. Lecture Notes in Computer Science, 2002, , 21-34.	1.0	29
159	Performance Analysis of GTS Allocation in Beacon Enabled IEEE 802.15.4. , 2009, , .		29
160	Information-theoretic approaches to privacy in estimation and control. Annual Reviews in Control, 2019, 47, 412-422.	4.4	29
161	Estimation Over Wireless Sensor Networks: Tradeoff between Communication, Computation and Estimation Qualities. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 605-611.	0.4	28
162	Distributed seeking of Nash equilibria in mobile sensor networks. , 2010, , .		28

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163	Self-Triggered Model Predictive Control for Network Scheduling and Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 432-438.	0.4	28
164	On event-based PI control of first-order processes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 448-453.	0.4	28
165	Control of HVAC systems via scenario-based explicit MPC. , 2014, , .		28
166	Modeling IEEE 802.15.4 Networks Over Fading Channels. IEEE Transactions on Wireless Communications, 2014, 13, 5366-5381.	6.1	28
167	Pulse width modulation for multi-agent systems. Automatica, 2016, 70, 173-178.	3.0	28
168	Targeted agreement of multiple Lagrangian systems. Automatica, 2017, 84, 109-116.	3.0	28
169	Indoor Localization Without a Prior Map by Trajectory Learning From Crowdsourced Measurements. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2825-2835.	2.4	28
170	Cloud-Supported Formation Control of Second-Order Multiagent Systems. IEEE Transactions on Control of Network Systems, 2018, 5, 1563-1574.	2.4	28
171	Estimating the Impact of Cyber-Attack Strategies for Stochastic Networked Control Systems. IEEE Transactions on Control of Network Systems, 2020, 7, 747-757.	2.4	28
172	Distributed self-triggered control for multi-agent systems. , 2010, , .		27
173	Distributed Change Detection Based on a Consensus Algorithm. IEEE Transactions on Signal Processing, 2011, 59, 5686-5697.	3.2	27
174	Optimal structured static state-feedback control design with limited model information for fully-actuated systems. Automatica, 2013, 49, 326-337.	3.0	27
175	Clustering-Based Model Reduction of Networked Passive Systems. IEEE Transactions on Automatic Control, 2016, 61, 2958-2973.	3.6	27
176	Directed information and privacy loss in cloud-based control. , 2017, , .		27
177	An Online Approach to Physical Watermark Design. IEEE Transactions on Automatic Control, 2020, 65, 3895-3902.	3.6	27
178	A Component-Based Approach to the Design of Networked Control Systems. European Journal of Control, 2007, 13, 261-279.	1.6	26
179	Establishing Safety for Heavy Duty Vehicle Platooning: A Game Theoretical Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3818-3823.	0.4	26
180	Convergence of max–min consensus algorithms. Automatica, 2015, 62, 11-17.	3.0	26

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181	An MPC-based Energy Management System for multiple residential microgrids. , 2015, , .		26
182	Mitigating Quantization Effects on Distributed Sensor Fusion: A Least Squares Approach. IEEE Transactions on Signal Processing, 2018, 66, 3459-3474.	3.2	26
183	Optimal LQG Control Under Delay-Dependent Costly Information. , 2019, 3, 102-107.		26
184	Joint Cross-Layer Optimization in Real-Time Networked Control Systems. IEEE Transactions on Control of Network Systems, 2020, 7, 1903-1915.	2.4	26
185	Hybrid Reinforcement Learning Control for a Micro Quadrotor Flight. , 2021, 5, 505-510.		26
186	A verified hierarchical control architecture for co-ordinated multi-vehicle operations. International Journal of Adaptive Control and Signal Processing, 2007, 21, 159-188.	2.3	25
187	Estimation over heterogeneous sensor networks. , 2008, , .		25
188	Multi-agent robust consensus-Part II: Application to distributed event-triggered coordination. , 2011, , .		25
189	Coordinated route optimization for heavy-duty vehicle platoons. , 2013, , .		25
190	Event-triggered pinning control of complex networks with switching topologies. , 2014, , .		25
191	Emergent Behaviors Over Signed Random Dynamical Networks: State-Flipping Model. IEEE Transactions on Control of Network Systems, 2015, 2, 142-153.	2.4	25
192	An improved stability condition for Kalman filtering with bounded Markovian packet losses. Automatica, 2015, 62, 32-38.	3.0	25
193	Learning Optimal Scheduling Policy for Remote State Estimation Under Uncertain Channel Condition. IEEE Transactions on Control of Network Systems, 2020, 7, 579-591.	2.4	25
194	Analytical Modelling of IEEE 802.15.4 for Multi-Hop Networks with Heterogeneous Traffic and Hidden Terminals. , 2010, , .		24
195	Minimax control for cyber-physical systems under network packet scheduling attacks. , 2013, , .		24
196	Control of multi-agent systems with event-triggered cloud access. , 2015, , .		24
197	Distributed Blind Calibration in Lossy Sensor Networks via Output Synchronization. IEEE Transactions on Automatic Control, 2015, 60, 3257-3262.	3.6	24
198	A piecewise-constant congestion taxing policy for repeated routing games. Transportation Research Part B: Methodological, 2015, 78, 123-143.	2.8	24

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199	Networked control challenges in collaborative road freight transport. European Journal of Control, 2016, 30, 2-14.	1.6	24
200	Adaptive exploitation of multipath fading for mobile sensors. , 2010, , .		23
201	Randomized Model Predictive Control for HVAC Systems. , 2013, , .		23
202	A Stochastic Online Sensor Scheduler for Remote State Estimation With Time-Out Condition. IEEE Transactions on Automatic Control, 2014, 59, 3110-3116.	3.6	23
203	Extremum seeking on submanifolds in the Euclidian space. Automatica, 2014, 50, 2591-2596.	3.0	23
204	The influence of traffic on heavy-duty vehicle platoon formation. , 2015, , .		23
205	Rate of prefix-free codes in LQG control systems. , 2016, , .		23
206	Attitude Coordinated Control of Multiple Underactuated Axisymmetric Spacecraft. IEEE Transactions on Control of Network Systems, 2017, 4, 816-825.	2.4	23
207	Formation Control for Multi-Agent Systems with Connectivity Preservation and Event-Triggered Controllers * *This work was supported by the Knut and Alice Wallenberg Foundation, the Swedish Foundation for Strategic Research, and the Swedish Research Council.. IFAC-PapersOnLine, 2017, 50, 9367-9373.	0.5	23
208	Multi-Fleet Platoon Matching: A Game-Theoretic Approach. , 2018, , .		23
209	How to Secure Distributed Filters Under Sensor Attacks. IEEE Transactions on Automatic Control, 2022, 67, 2843-2856.	3.6	23
210	Distributed estimation of diameter, radius and eccentricities in anonymous networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 13-18.	0.4	22
211	A game-theoretic framework for studying truck platooning incentives. , 2013, , .		22
212	Characterizing the positive semidefiniteness of signed Laplacians via Effective Resistances. , 2016, , .		22
213	Distributed time synchronization for networks with random delays and measurement noise. Automatica, 2018, 93, 126-137.	3.0	22
214	Distributed Optimization with Dynamic Event-Triggered Mechanisms. , 2018, , .		22
215	Modeling the Impact of Vehicle Platooning on Highway Congestion. , 2018, , .		22
216	Remote State Estimation With Smart Sensors Over Markov Fading Channels. IEEE Transactions on Automatic Control, 2022, 67, 2743-2757.	3.6	22

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