Henrik Sandberg

List of Publications by Year
in descending order

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239	7,704	185998 28	95083 68
papers	citations	h-index	g-index

243	243	243	4933
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Change time estimation uncertainty in nonlinear dynamical systems with applications to COVIDâ€19. International Journal of Robust and Nonlinear Control, 2023, 33, 4732-4760.	2.1	2
2	How to Secure Distributed Filters Under Sensor Attacks. IEEE Transactions on Automatic Control, 2022, 67, 2843-2856.	3.6	23
3	Epistemic Signaling Games for Cyber Deception With Asymmetric Recognition. , 2022, 6, 854-859.		3
4	Transfer-Entropy-Regularized Markov Decision Processes. IEEE Transactions on Automatic Control, 2022, 67, 1944-1951.	3.6	7
5	Privacy-Preserving Dual Averaging With Arbitrary Initial Conditions for Distributed Optimization. IEEE Transactions on Automatic Control, 2022, 67, 3172-3179.	3.6	9
6	A Game-Theoretic Framework for Security-Aware Sensor Placement Problem in Networked Control Systems. IEEE Transactions on Automatic Control, 2022, 67, 3699-3706.	3.6	10
7	Optimal Privacy-Aware Estimation. IEEE Transactions on Automatic Control, 2022, 67, 2253-2266.	3.6	3
8	Disconnection-Aware Attack Detection and Isolation With Separation-Based Detector Reconfiguration. IEEE Transactions on Control Systems Technology, 2022, 30, 1625-1640.	3.2	3
9	Secure Networked Control Systems. Annual Review of Control, Robotics, and Autonomous Systems, 2022, 5, 445-464.	7.5	21
10	Vector-Norm Based Truncation of Harmonic Transfer Functions in Black-Box Electronic Power Systems. IEEE Open Journal of the Industrial Electronics Society, 2022, 3, 163-173.	4.8	0
11	A Randomized Filtering Strategy Against Inference Attacks on Active Steering Control Systems. IEEE Transactions on Information Forensics and Security, 2022, 17, 16-27.	4.5	5
12	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.	1.1	1
13	Experimental evaluation of sensor attacks and defense mechanisms in feedback systems. Control Engineering Practice, 2022, 124, 105178.	3.2	3
14	On a Phase Transition of Regret in Linear Quadratic Control: The Memoryless Case. , 2021, 5, 695-700.		1
15	On the confidentiality of controller states under sensor attacks. Automatica, 2021, 123, 109329.	3.0	8
16	Analysis and Distributed Control of Periodic Epidemic Processes. IEEE Transactions on Control of Network Systems, 2021, 8, 123-134.	2.4	15
17	Cyber-Physical Security. , 2021, , 480-487.		1
18	Stealthy False Data Injection Attacks in Feedback Systems Revisited. Lecture Notes in Control and Information Sciences, 2021, , 61-78.	0.6	0

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19	Multi-hop sensor network scheduling for optimal remote estimation. Automatica, 2021, 127, 109498.	3.0	8
20	Resource Constrained Sensor Attacks by Minimizing Fisher Information. , 2021, , .		0
21	Sample-based anomaly detector tuning with finite sample guarantees. , 2021, , .		3
22	Adversarial Attacks on CFO-Based Continuous Physical Layer Authentication: A Game Theoretic Study. , 2021, , .		1
23	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.	4.1	13
24	Security index based on perfectly undetectable attacks: Graph-theoretic conditions. Automatica, 2021, 134, 109925.	3.0	6
25	Power Injection Attacks in Smart Distribution Grids with Photovoltaics. , 2021, , .		0
26	Data-injection Attacks Using Historical Inputs and Outputs. , 2021, , .		3
27	Asymptotic Security by Model-based Incident Handlers for Markov Decision Processes. , 2021, , .		1
28	On the confidentiality of the reference signal under sensor attacks. , 2021, , .		1
29	Privacy Enhancement of Structured Inputs in Cyber-Physical Systems. , 2021, , .		0
30	Security measure allocation for industrial control systems: Exploiting systematic search techniques and submodularity. International Journal of Robust and Nonlinear Control, 2020, 30, 4278-4302.	2.1	5
31	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
32	Finite-time consensus protocols for multi-dimensional multi-agent systems. Control Theory and Technology, 2020, 18, 419-430.	1.0	0
33	Ensuring Privacy of Occupancy Changes in Smart Buildings. , 2020, , .		6
34	Actuator Security Index for Structured Systems. , 2020, , .		5
35	Analysis, Online Estimation, and Validation of a Competing Virus Model. , 2020, , .		4
36	Overcoming Challenges for Estimating Virus Spread Dynamics from Data. , 2020, , .		6

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37	Actuator Security Indices Based on Perfect Undetectability: Computation, Robustness, and Sensor Placement. IEEE Transactions on Automatic Control, 2020, 65, 3816-3831.	3.6	17
38	Regret Lower Bounds for Unbiased Adaptive Control of Linear Quadratic Regulators. , 2020, 4, 785-790.		1
39	On Actuator Security Indices. Lecture Notes in Computer Science, 2020, , 182-187.	1.0	0
40	Intrusion Resilience for PV Inverters in a Distribution Grid Use-Case Featuring Dynamic Voltage Control. Lecture Notes in Computer Science, 2020, , 97-109.	1.0	1
41	Data-Driven Distributed Mitigation Strategies and Analysis of Mutating Epidemic Processes. , 2020, , .		3
42	A Nash equilibrium-based moving target defense against stealthy sensor attacks. , 2020, , .		4
43	A secure state estimation algorithm for nonlinear systems under sensor attacks. , 2020, , .		6
44	Minimum-time Secure Rollout of Software Updates for Controllable Power Loads. Electric Power Systems Research, 2020, 189, 106797.	2.1	2
45	Asymptotic Security of Control Systems by Covert Reaction: Repeated Signaling Game with Undisclosed Belief. , 2020, , .		2
46	Maximizing Privacy in MIMO Cyber-Physical Systems Using the Chapman-Robbins Bound. , 2020, , .		2
47	Analysis of a Networked SIS Multi-Virus Model with a Shared Resource. IFAC-PapersOnLine, 2020, 53, 797-802.	0.5	1
48	Cyber-Physical Security. , 2020, , 1-8.		1
49	Disconnection-aware Attack Detection in Networked Control Systems. IFAC-PapersOnLine, 2020, 53, 3515-3520.	0.5	3
50	Adaptive voltage regulation of an inverter-based power distribution network with a class of droop controllers. IFAC-PapersOnLine, 2020, 53, 12416-12421.	0.5	1
51	Passive Fault-tolerant Estimation under Strategic Adversarial Bias. , 2020, , .		1
52	Parameter Privacy versus Control Performance: Fisher Information Regularized Control. , 2020, , .		10
53	A Survey of Physics-Based Attack Detection in Cyber-Physical Systems. ACM Computing Surveys, 2019, 51, 1-36.	16.1	257
54	Nonlinear Consensus Protocols With Applications to Quantized Communication and Actuation. IEEE Transactions on Control of Network Systems, 2019, 6, 598-608.	2.4	18

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55	Design of Attack-Resilient Consensus Dynamics: A Game-Theoretic Approach. , 2019, , .		9
56	A Tutorial Introduction to Security and Privacy for Cyber-Physical Systems. , 2019, , .		73
57	Noise-induced limitations to the scalability of distributed integral control. Systems and Control Letters, 2019, 130, 23-31.	1.3	3
58	A Graph-Theoretic Approach to the ${mathcal{H}}_{infty}$ Performance of Leaderâ€“Follower Consensus on Directed Networks. , 2019, 3, 954-959.		8
59	Secure Estimation and Zero-Error Secrecy Capacity. IEEE Transactions on Automatic Control, 2019, 64, 1047-1062.	3.6	19
60	On Fundamental Limitations of Dynamic Feedback Control in Regular Large-Scale Networks. IEEE Transactions on Automatic Control, 2019, 64, 4936-4951.	3.6	16
61	Two-way coding in control systems under injection attacks. , 2019, , .		6
62	Multi-Layer Disease Spread Model with a Water Distribution Network. , 2019, , .		2
63	Voltage regulation of a power distribution network in a radial configuration with a class of sector-bounded droop controllers. , 2019, , .		3
64	A Network Monitoring Game with Heterogeneous Component Criticality Levels. , 2019, , .		5
65	Hierarchical Model Decomposition for Distributed Design of Glocal Controllers. , 2019, , .		2
66	Secure Distributed Filtering for Unstable Dynamics Under Compromised Observations. , 2019, , .		15
67	Local voltage control of an inverter-based power distribution network with a class of slope-restricted droop controllers. IFAC-PapersOnLine, 2019, 52, 163-168.	0.5	6
68	Networked Model for Cooperative Adaptive Cruise Control. IFAC-PapersOnLine, 2019, 52, 151-156.	0.5	16
69	Modeling and Stability of Prosumer Heat Networks. IFAC-PapersOnLine, 2019, 52, 235-240.	0.5	5
70	A Game-theoretic Framework for Security-aware Sensor Placement Problem in Networked Control Systems. , 2019, , .		9
71	Localized high-order consensus destabilizes large-scale networks. , 2019, , .		4
72	On the Confidentiality of Linear Anomaly Detector States. , 2019, , .		2

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73	Ensuring privacy with constrained additive noise by minimizing Fisher information. Automatica, 2019, 99, 275-288.	3.0	38
74	Adversarial Attacks on Continuous Authentication Security: A Dynamic Game Approach. Lecture Notes in Computer Science, 2019, , 439-458.	1.0	3
75	Toward Wireless Control in Industrial Process Automation: A Case Study at a Paper Mill. IEEE Control Systems, 2019, 39, 36-57.	1.0	43
76	The Interconnection of Quadratic Droop Voltage Controllers Is a Lotka-Volterra System: Implications for Stability Analysis. , 2018, 2, 218-223.		8
77	Fisher Information as a Measure of Privacy: Preserving Privacy of Households With Smart Meters Using Batteries. IEEE Transactions on Smart Grid, 2018, 9, 4726-4734.	6.2	53
78	Distributed Sensor and Actuator Reconfiguration for Fault-Tolerant Networked Control Systems. IEEE Transactions on Control of Network Systems, 2018, 5, 1517-1528.	2.4	15
79	A Framework for Attack-Resilient Industrial Control Systems: Attack Detection and Controller Reconfiguration. Proceedings of the IEEE, 2018, 106, 113-128.	16.4	94
80	Quantifying the Impact of Cyber-Attack Strategies for Control Systems Equipped With an Anomaly Detector. , 2018, , .		12
81	Secure Patching of an Output-Feedback Controller for a Class of Nonlinear Systems Under Adversarial Attack. , 2018, , .		1
82	Synchronization of Kuramoto Oscillators in a Bidirectional Frequency-Dependent Tree Network. , 2018, , .		6
83	A Risk-Theoretical Approach to <tex>$mathcal{H}_{2}$</tex>-Optimal Control Under Covert Attacks. , 2018, , .		6
84	Performance Limitations of Distributed Integral Control in Power Networks Under Noisy Measurements. , 2018, , .		8
85	A Game-Theoretic Approach for Choosing a Detector Tuning Under Stealthy Sensor Data Attacks. , 2018, , .		6
86	Resilient Estimation and Control on k-Nearest Neighbor Platoons: A Network-Theoretic Approach. IFAC-PapersOnLine, 2018, 51, 22-27.	0.5	4
87	A Security Index for Actuators Based on Perfect Undetectability: Properties and Approximation. , 2018, , .		5
88	Large Scale Rollout of Smart Grid Services. , 2018, , .		7
89	Retrofit control: Localization of controller design and implementation. Automatica, 2018, 95, 336-346.	3.0	32
90	Optimization of the $mathcal{H}_{infty}$-norm of Dynamic Flow Networks. , 2018, , .		0

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91	Anomaly Detector Metrics for Sensor Data Attacks in Control Systems. , 2018, , .		14
92	Control Theory for Practical Cyber-Physical Security. , 2018, , .		1
93	Asymptotic and finite-time almost global attitude tracking: representations free approach. , 2018, , .		1
94	Distributed Controllers for Multiterminal HVDC Transmission Systems. IEEE Transactions on Control of Network Systems, 2017, 4, 564-574.	2.4	23
95	Dissipative open systems theory as a foundation for the thermodynamics of linear systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160218.	1.6	3
96	A Survey of Distributed Optimization and Control Algorithms for Electric Power Systems. IEEE Transactions on Smart Grid, 2017, 8, 2941-2962.	6.2	786
97	Guest Editorial Distributed Control and Efficient Optimization Methods for Smart Grid. IEEE Transactions on Smart Grid, 2017, 8, 2939-2940.	6.2	7
98	Performance and scalability of voltage controllers in multi-terminal HVDC networks. , 2017, , .		9
99	On the Coherence of Large-Scale Networks With Distributed PI and PD Control. , 2017, 1, 170-175.		24
100	Security analysis of control system anomaly detectors. , 2017, , .		25
101	Exploiting Submodularity in Security Measure Allocation for Industrial Control Systems. , 2017, , .		4
102	Wireless sensor network scheduling for remote estimation under energy constraints. , 2017, , .		9
103	Protecting Positive and Second-Order Systems against Undetectable Attacks * *This research is supported in part by the Hong Kong RGC under the grant number CityU 11260016, in part by Knut and Alice Wallenberg Foundation, Swedish Research Council, and Swedish Foundation for Strategic Research and in part by the Research Grants Council of Hong Kong Special Administrative Region,	0.5	4
104	Analysis and Mitigation of Bias Injection Attacks Against a Kalman Filter * *This work was supported by the Swedish Civil Contingencies Agency through the CERCES project, the Swedish Research Council, Knut and Alice Wallenberg Foundation, and the Swedish Foundation for Strategic Research. IFAC-PapersOnLine, 2017, 50, 8393-8398.	0.5	14
105	Nonlinear consensus protocols with applications to quantized systems * *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, 15440-15445.	0.5	1
106	Directed information and privacy loss in cloud-based control. , 2017, , .		27
107	Coherence in synchronizing power networks with distributed integral control. , 2017, , .		13
108	Glocal control for network systems via hierarchical state-space expansion. , 2017, , .		4

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109	Optimal privacy-preserving policy using constrained additive noise to minimize the fisher information. , 2017, , .		16
110	Secure estimation for unstable systems. , 2016, , .		16
111	Limiting the Impact of Stealthy Attacks on Industrial Control Systems. , 2016, , .		214
112	A study on the sensitivity matrix in power system state estimation by using sparse principal component analysis. , 2016, , .		1
113	Retrofitting state feedback control of networked nonlinear systems based on hierarchical expansion. , 2016, , .		5
114	Uncertain wiretap channels and secure estimation. , 2016, , .		18
115	Optimal state estimation with measurements corrupted by Laplace noise. , 2016, , .		15
116	Weak resilience of networked control systems. , 2016, , .		0
117	Rate of prefix-free codes in LQG control systems. , 2016, , .		23
118	From control system security indices to attack identifiability. , 2016, , .		16
119	Improving performance of droop-controlled microgrids through distributed PI-control. , 2016, , .		28
120	Cyber-Physical-Security Framework for Building Energy Management System. , 2016, , .		15
121	Performance Analysis of a Network of Event-Based Systems. IEEE Transactions on Automatic Control, 2016, 61, 3568-3573.	3.6	20
122	The ADMM Algorithm for Distributed Quadratic Problems: Parameter Selection and Constraint Preconditioning. IEEE Transactions on Signal Processing, 2016, 64, 290-305.	3.2	26
123	Clustering-Based Model Reduction of Networked Passive Systems. IEEE Transactions on Automatic Control, 2016, 61, 2958-2973.	3.6	27
124	Robust Scheduling of Smart Appliances in Active Apartments With User Behavior Uncertainty. IEEE Transactions on Automation Science and Engineering, 2016, 13, 247-259.	3.4	55
125	Consistency-preserving event-triggered estimation in sensor networks. , 2015, , .		6
126	Deriving thermodynamics from linear dissipativity theory. , 2015, , .		2

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127	Demand response for aggregated residential consumers with energy storage sharing. , 2015, , .		30
128	SDP-based joint sensor and controller design for information-regularized optimal LQG control. , 2015, , .		26
129	SiMpLIfy: A toolbox for structured model reduction. , 2015, , .		0
130	Cyber-Secure and Resilient Architectures for Industrial Control Systems. , 2015, , 149-183.		5
131	Differentially private state estimation in distribution networks with smart meters. , 2015, , .		35
132	Performance metrics for droop-controlled microgrids with variable voltage dynamics. , 2015, , .		15
133	Quadratic Gaussian privacy games. , 2015, , .		19
134	Strategic stealthy attacks: The output-to-output â„“<inf>2</inf>-gain. , 2015, , .		14
135	The Conservation of Information, Towards an Axiomatized Modular Modeling Approach to Congestion Control. IEEE/ACM Transactions on Networking, 2015, 23, 851-865.	2.6	10
136	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
137	Dissipativity-Preserving Model Reduction for Large-Scale Distributed Control Systems. IEEE Transactions on Automatic Control, 2015, 60, 1023-1037.	3.6	18
138	Online fault diagnosis for nonlinear power systems. Automatica, 2015, 55, 27-36.	3.0	36
139	Voltage control for interconnected microgrids under adversarial actions. , 2015, , .		31
140	Distributed design of locally stabilizing controllers for large-scale networked linear systems. , 2015, , .		0
141	A secure control framework for resource-limited adversaries. Automatica, 2015, 51, 135-148.	3.0	833
142	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
143	Nonserial dynamic programming with applications in smart home appliances scheduling - Part I: Precedence graph simplification. , 2014, , .		3
144	Second-law-like inequalities with information and their interpretations. New Journal of Physics, 2014, 16, 125007.	1.2	99

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145	Energy and CO<inf>2</inf> efficient scheduling of smart appliances in active houses equipped with batteries. , 2014, , .		10
146	Wiretap codes for secure multi-party computation. , 2014, , .		2
147	Control of MTDC transmission systems under local information. , 2014, , .		10
148	Nonserial dynamic programming with applications in smart home appliances scheduling - Part II: Nonserial dynamic programming. , 2014, , .		5
149	Distributed PI-control with applications to power systems frequency control. , 2014, , .		62
150	Distributed Fault Detection and Isolation Resilient to Network Model Uncertainties. IEEE Transactions on Cybernetics, 2014, 44, 2024-2037.	6.2	131
151	Model reduction of networked passive systems through clustering. , 2014, , .		13
152	Thermodynamic costs in implementing Kalman-Bucy filters. , 2014, , .		0
153	Distributed Control of Networked Dynamical Systems: Static Feedback, Integral Action and Consensus. IEEE Transactions on Automatic Control, 2014, 59, 1750-1764.	3.6	221
154	Data Attack Isolation in Power Networks Using Secure Voltage Magnitude Measurements. IEEE Transactions on Smart Grid, 2014, 5, 14-28.	6.2	38
155	Maximum work extraction and implementation costs for nonequilibrium Maxwell's demons. Physical Review E, 2014, 90, 042119.	0.8	28
156	Coherency-Independent Structured Model Reduction of Power Systems. IEEE Transactions on Power Systems, 2014, 29, 2418-2426.	4.6	38
157	Security of smart distribution grids: Data integrity attacks on integrated volt/VAR control and countermeasures. , 2014, , .		47
158	Finite-time thermodynamics of port-Hamiltonian systems. Physica D: Nonlinear Phenomena, 2014, 267, 123-132.	1.3	18
159	A graph-theoretic approach on optimizing informed-node selection in multi-agent tracking control. Physica D: Nonlinear Phenomena, 2014, 267, 104-111.	1.3	19
160	Approximative model reconstruction of cascade systems. Systems and Control Letters, 2014, 69, 90-97.	1.3	1
161	Distributed Voltage and Current Control of Multi-Terminal High-Voltage Direct Current Transmission Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11910-11916.	0.4	16
162	Design of State-Based Schedulers for a Network of Control Loops. IEEE Transactions on Automatic Control, 2013, 58, 1962-1975.	3.6	55

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163	Controllability of a class of networked passive linear systems. , 2013, , .		2
164	On the Exact Solution to a Smart Grid Cyber-Security Analysis Problem. IEEE Transactions on Smart Grid, 2013, 4, 856-865.	6.2	95
165	Structured Model Order Reduction of Parallel Models in Feedback. IEEE Transactions on Control Systems Technology, 2013, 21, 739-752.	3.2	14
166	Real-time fault diagnosis for large-scale nonlinear power networks. , 2013, , .		3
167	Dissipativity-preserving model reduction based on generalized singular perturbation. , 2013, , .		2
168	Optimal H<inf>∞</inf> control design under model information limitations and state measurement constraints. , 2013, , .		0
169	Complexity reduction for parameter-dependent linear systems. , 2013, , .		0
170	Optimal scaling of the ADMM algorithm for distributed quadratic programming. , 2013, , .		18
171	Structured model reduction of interconnected linear systems based on singular perturbation. , 2013, , .		7
172	Distributed actuator reconfiguration in networked control systems*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 61-68.	0.4	10
173	Distributed vs. centralized power systems frequency control. , 2013, , .		45
174	Quantifying Cyber-Security for Networked Control Systems. Lecture Notes in Control and Information Sciences, 2013, , 123-142.	0.6	16
175	Singular perturbation approximation of semistable linear systems. , 2013, , .		3
176	Parameter-Invariant Actuator Fault Diagnostics in Cyber-Physical Systems with Application to Building Automation. Lecture Notes in Control and Information Sciences, 2013, , 179-196.	0.6	2
177	Distributed Fault Detection and Isolation with imprecise network models. , 2012, , .		9
178	Revealing stealthy attacks in control systems. , 2012, , .		189
179	Optimal power flow: Closing the loop over corrupted data. , 2012, , .		20
180	Detection and identification of data attacks in power system. , 2012, , .		5

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181	Attack models and scenarios for networked control systems. , 2012, , .		315
182	Stability analysis of multiple state-based schedulers with CSMA. , 2012, , .		8
183	Structured model reduction of power systems. , 2012, , .		7
184	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
185	Computing Critical k-Tuples in Power Networks. IEEE Transactions on Power Systems, 2012, 27, 1511-1520.	4.6	50
186	Fault Detection and Mitigation in Kirchhoff Networks. IEEE Signal Processing Letters, 2012, 19, 749-752.	2.1	3
187	Structured power system model reduction of non-coherent areas. , 2012, , .		3
188	Active actuator fault detection and diagnostics in HVAC systems. , 2012, , .		20
189	Parameterized model order reduction using extended balanced truncation. , 2012, , .		2
190	Network-Aware Mitigation of Data Integrity Attacks on Power System State Estimation. IEEE Journal on Selected Areas in Communications, 2012, 30, 1108-1118.	9.7	115
191	Agents misbehaving in a network: a vice or a virtue?. IEEE Network, 2012, 26, 35-40.	4.9	15
192	Distributed integral action: Stability analysis and frequency control of power systems. , 2012, , .		50
193	Cyber-security of SCADA systems. , 2012, , .		10
194	Challenges in Power System Information Security. IEEE Security and Privacy, 2012, 10, 62-70.	1.5	32
195	Network-layer protection schemes against stealth attacks on state estimators in power systems. , 2011, , .		31
196	Scheduling smart home appliances using mixed integer linear programming. , 2011, , .		151
197	On Lossless Approximations, the Fluctuation- Dissipation Theorem, and Limitations of Measurements. IEEE Transactions on Automatic Control, 2011, 56, 293-308.	3.6	22
198	The Observer Effect in Estimation with Physical Communication Constraints*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 12483-12489.	0.4	4

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199	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
200	On Identification of Parallel Cascade Serial Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 9978-9983.	0.4	8
201	Structured Model Order Reduction of Boiler-Header Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3341-3347.	0.4	1
202	Distributed fault detection for interconnected second-order systems. Automatica, 2011, 47, 2757-2764.	3.0	357
203	Electric power network security analysis via minimum cut relaxation. , 2011, , .		49
204	A robust control-design method using Bode's ideal transfer function. , 2011, , .		3
205	Steady state performance analysis of multiple state-based schedulers with CSMA. , 2011, , .		9
206	On the dual effect in state-based scheduling of networked control systems. , 2011, , .		35
207	Dynamical system decomposition using dissipation inequalities. , 2011, , .		6
208	Wireless event-triggered controller for a 3D tower crane lab process. , 2011, , .		3
209	Distributed Leader Selection without Direct Inter-agent Communication. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 221-226.	0.4	10
210	On subspace identification of cascade structured systems. , 2010, , .		3
211	Networked control systems under cyber attacks with applications to power networks. , 2010, , .		153
212	Stealth Attacks and Protection Schemes for State Estimators in Power Systems. , 2010, , .		281
213	An Extension to Balanced Truncation With Application to Structured Model Reduction. IEEE Transactions on Automatic Control, 2010, 55, 1038-1043.	3.6	29
214	Cyber security analysis of state estimators in electric power systems. , 2010, , .		276
215	Control over a Hybrid MAC Wireless Network. , 2010, , .		1
216	Reduced-order predictive outage compensators for networked systems. , 2009, , .		4

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217	The VIKING project: An initiative on resilient control of power networks. , 2009, , .		38
218	Model reduction of interconnected linear systems. Optimal Control Applications and Methods, 2009, 30, 225-245.	1.3	112
219	Computing the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si11.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>L</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></ gain for linear periodic continuous-time systems. Automatica, 2009, 45, 783-789.	3.0	6
220	Multiple access with attention-based tournaments for monitoring over wireless networks. , 2009, , .		1
221	Cascade structural model approximation of identified state space models. , 2008, , .		7
222	Predictive compensation for communication outages in networked control systems. , 2008, , .		15
223	Model reduction of linear systems using extended balanced truncation. , 2008, , .		13
224	Estimation over heterogeneous sensor networks. , 2008, , .		25
225	Frequency-Weighted Model Reduction with Applications to Structured Models. Proceedings of the American Control Conference, 2007, , .	0.0	10
226	Linear-quadratic-Gaussian heat engines. , 2007, , .		10
227	The Statistical Mechanics of Fluctuation-Dissipation and Measurement Back Action. Proceedings of the American Control Conference, 2007, , .	0.0	8
228	Thermodynamics of linear systems. , 2007, , .		7
229	Model approximation using magnitude and phase criteria: implications for model reduction and system identification. International Journal of Robust and Nonlinear Control, 2007, 17, 435-461.	2.1	19
230	A case study in model reduction of linear time-varying systems. Automatica, 2006, 42, 467-472.	3.0	17
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