Ling Shi

List of Publications by Year in Descending Order

189 papers	5,557 citations	37 h-index	70 g-index
211 ext. papers	7,078 ext. citations	4.3 avg, IF	6.47 L-index

#	Paper	IF	Citations
189	Proportional Tracking Control of Positive Linear Systems **2022**, 6, 1670-1675		0
188	Multi-Kernel Maximum Correntropy Kalman Filter **2022**, 6, 1490-1495		0
187	Distributed State Estimation for Continuous-time Linear Systems with Correlated Measurement Noise. *IEEE Transactions on Automatic Control*, **2022**, 1-1	5.9	2
186	Privacy Preserving via Secure Summation in Distributed Kalman Filtering. *IEEE Transactions on Control of Network Systems*, **2022**, 1-1	4	1
185	Joint Power Allocation for Remote State Estimation With SWIPT. *IEEE Transactions on Signal Processing*, **2022**, 70, 1434-1447	4.8	0
184	Linear Quadratic Control of Positive Systems: A Projection-Based Approach. *IEEE Transactions on Automatic Control*, **2022**, 1-1	5.9	
183	Strategic DoS Attack in Continuous Space for Cyber-Physical Systems over Wireless Networks. *IEEE Transactions on Signal and Information Processing Over Networks*, **2022**, 1-1	2.8	1
182	Multi-kernel Maximum Correntropy Kalman Filter for Orientation Estimation. *IEEE Robotics and Automation Letters*, **2022**, 1-1	4.2	
181	Consensus-based distributed filtering with fusion step analysis. *Automatica*, **2022**, 142, 110408	5.7	0
180	Mean-Field Transmission Power Control in Dense Networks. *IEEE Transactions on Control of Network Systems*, **2021**, 8, 99-110	4	3
179	A comprehensive swarming intelligent method for optimizing deep learning-based object detection by unmanned ground vehicles. *PLoS ONE*, **2021**, 16, e0251339	3.7	
178	Encryption scheduling for remote state estimation under an operation constraint. *Automatica*, **2021** , 127, 109537	5.7	6
177	Optimal unbiased linear sensor fusion over multiple lossy channels with collective observability. *Automatica*, **2021**, 128, 109568	5.7	2
176	Learning hidden Markov models for linear Gaussian systems with applications to event-based state estimation. *Automatica*, **2021**, 128, 109560	5.7	
175	Remote State Estimation in the Presence of an Active Eavesdropper. *IEEE Transactions on Automatic Control*, **2021**, 66, 229-244	5.9	11
174	Time Synchronization Attack and Countermeasure for Multisystem Scheduling in Remote Estimation. *IEEE Transactions on Automatic Control*, **2021**, 66, 916-923	5.9	1
173	Sparse Linear Injection Attack on Multi-Agent Consensus Control Systems **2021**, 5, 665-670		7

172	Performance Evaluation of Distributed Linear Regression Kalman Filtering Fusion. *IEEE Transactions on Automatic Control*, **2021**, 66, 2889-2896	5.9	3
171	Max-Min Fair Sensor Scheduling: Game-Theoretic Perspective and Algorithmic Solution. *IEEE Transactions on Automatic Control*, **2021**, 66, 2379-2385	5.9	1
170	Stochastic Event-Based Sensor Schedules for Remote State Estimation in Cognitive Radio Sensor Networks. *IEEE Transactions on Automatic Control*, **2021**, 66, 2407-2414	5.9	4
169	. *IEEE Transactions on Automatic Control*, **2021**, 66, 3794-3801	5.9	6
168	Remote state estimation with usage-dependent Markovian packet losses. *Automatica*, **2021**, 123, 109342	5.7	1
167	Joint Sensor and Actuator Placement for Infinite-Horizon LQG Control. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	2
166	Event-Triggered Active Disturbance Rejection Control. *Studies in Systems, Decision and Control*, **2021**, 81-103	0.8	
165	Remote State Estimation with a Strategic Sensor Using a Stackelberg Game Framework. *IEEE Transactions on Control of Network Systems*, **2021**, 1-1	4	1
164	Event-Triggered ADRC for Electric Cylinders with PD-Type Event-Triggering Conditions. *Studies in Systems, Decision and Control*, **2021**, 161-182	0.8	
163	Interference Game for Intelligent Sensors in Cyber-Physical Systems. *Automatica*, **2021**, 129, 109668	5.7	2
162	. *IEEE Transactions on Information Forensics and Security*, **2021**, 16, 2288-2299	8	2
161	Event-Triggered Extended State Observer. *Studies in Systems, Decision and Control*, **2021**, 61-79	0.8	
160	Performance Assessment of Discrete-Time Extended State Observers. *Studies in Systems, Decision and Control*, **2021**, 31-59	0.8	
159	Optimal Denial-of-Service attack energy management against state estimation over an SINR-based network. *Automatica*, **2020**, 119, 109090	5.7	24
158	Drift-Free and Self-Aligned IMU-Based Human Gait Tracking System With Augmented Precision and Robustness. *IEEE Robotics and Automation Letters*, **2020**, 1-1	4.2	6
157	On the Nonexistence of Event Triggers That Preserve Gaussian State in Presence of Packet-Drop. *IEEE Transactions on Automatic Control*, **2020**, 65, 4302-4307	5.9	1
156	Optimal Scheduling of Multiple Sensors Over Lossy and Bandwidth Limited Channels. *IEEE Transactions on Control of Network Systems*, **2020**, 7, 1188-1200	4	12
155	Learning Optimal Scheduling Policy for Remote State Estimation Under Uncertain Channel Condition. *IEEE Transactions on Control of Network Systems*, **2020**, 7, 579-591	4	12

154	Distributed state estimation for uncertain linear systems: A regularized least-squares approach. *Automatica*, **2020**, 117, 109007	5.7	12
153	Dynamic Pricing for Power Control in Remote State Estimation. *IFAC-PapersOnLine*, **2020**, 53, 11038-11043	0.7	1
152	Whittle Index Policy for Dynamic Multichannel Allocation in Remote State Estimation. *IEEE Transactions on Automatic Control*, **2020**, 65, 591-603	5.9	13
151	Defensive deception against reactive jamming attacks in remote state estimation. *Automatica*, **2020**, 113, 108680	5.7	11
150	Deep reinforcement learning for wireless sensor scheduling in cyber-physical systems. *Automatica*, **2020**, 113, 108759	5.7	34
149	Time Decision for Multi-Input and Multi-Output Networked Control Systems. *IEEE Transactions on Control of Network Systems*, **2020**, 7, 558-567	4	1
148	An Event-Based Stealthy Attack on Remote State Estimation. *IEEE Transactions on Automatic Control*, **2020**, 65, 4348-4355	5.9	15
147	Distributed Kalman Filters With State Equality Constraints: Time-Based and Event-Triggered Communications. *IEEE Transactions on Automatic Control*, **2020**, 65, 28-43	5.9	38
146	On the Performance Analysis of Reset Attack in Cyber-Physical Systems. *IEEE Transactions on Automatic Control*, **2020**, 65, 419-425	5.9	18
145	Efficient Linear Sensor Fusion Over Multiple Lossy Channels With Local Observability **2019**, 3, 721-726		3
144	Event-Triggered Sampled-Data Control: An Active Disturbance Rejection Approach. *IEEE/ASME Transactions on Mechatronics*, **2019**, 24, 2052-2063	5.5	17
143	Distributed filtering under false data injection attacks. *Automatica*, **2019**, 102, 34-44	5.7	72
142	Consensus-Based Data-Privacy Preserving Data Aggregation. *IEEE Transactions on Automatic Control*, **2019**, 64, 5222-5229	5.9	30
141	Distributed Privacy-Preserving Data Aggregation Against Dishonest Nodes in Network Systems. *IEEE Internet of Things Journal*, **2019**, 6, 1462-1470	10.7	21
140	Pricing and Selection of Channels for Remote State Estimation Using a Stackelberg Game Framework. *IEEE Transactions on Signal and Information Processing Over Networks*, **2019**, 5, 657-668	2.8	4
139	Event-triggered minimax state estimation with a relative entropy constraint. *Automatica*, **2019**, 110, 108592	5.7	18
138	On the Performance Analysis of Binary Hypothesis Testing with Byzantine Sensors **2019**,		1
137	Finite Time Encryption Schedule in the Presence of an Eavesdropper with Operation Cost **2019**,		4

136	Zeno-Free Stochastic Distributed Event-Triggered Consensus Control for Multi-Agent Systems **2019** ,		1
135	DoS Attacks on Remote State Estimation With Asymmetric Information. *IEEE Transactions on Control of Network Systems*, **2019**, 6, 653-666	4	20
134	Secure State Estimation Against Integrity Attacks: A Gaussian Mixture Model Approach. *IEEE Transactions on Signal Processing*, **2019**, 67, 194-207	4.8	29
133	Worst-Case Innovation-Based Integrity Attacks With Side Information on Remote State Estimation. *IEEE Transactions on Control of Network Systems*, **2019**, 6, 48-59	4	27
132	Performance Assessment of Discrete-Time Extended State Observers: Theoretical and Experimental Results. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2018**, 65, 2256-2268	3.9	12
131	State Estimation Over Delayed Mutihop Network. *IEEE Transactions on Automatic Control*, **2018**, 63, 3545-3550	5.9	5
130	Sequential fusion estimation for clustered sensor networks. *Automatica*, **2018**, 89, 358-363	5.7	32
129	Practical closed-loop dynamic pricing in smart grid for supply and demand balancing. *Automatica*, **2018**, 89, 92-102	5.7	5
128	Worst-case stealthy innovation-based linear attack on remote state estimation. *Automatica*, **2018**, 89, 117-124	5.7	100
127	Attack allocation on remote state estimation in multi-systems: Structural results and asymptotic solution. *Automatica*, **2018**, 87, 184-194	5.7	36
126	Corrections to "Multi-Sensor Kalman Filtering With Intermittent Measurements" [Mar 18 797-804]. *IEEE Transactions on Automatic Control*, **2018**, 63, 1545-1545	5.9	
125	Quickest Change Detection in Adaptive Censoring Sensor Networks. *IEEE Transactions on Control of Network Systems*, **2018**, 5, 239-250	4	2
124	Detection Against Linear Deception Attacks on Multi-Sensor Remote State Estimation. *IEEE Transactions on Control of Network Systems*, **2018**, 5, 846-856	4	88
123	Causality Countermeasures for Anomaly Detection in Cyber-Physical Systems. *IEEE Transactions on Automatic Control*, **2018**, 63, 386-401	5.9	33
122	Infinite Horizon Optimal Transmission Power Control for Remote State Estimation Over Fading Channels. *IEEE Transactions on Automatic Control*, **2018**, 63, 85-100	5.9	43
121	Optimal Denial-of-Service Attack Scheduling With Energy Constraint Over Packet-Dropping Networks. *IEEE Transactions on Automatic Control*, **2018**, 63, 1648-1663	5.9	144
120	Optimal scheduling of multiple sensors over shared channels with packet transmission constraint. *Automatica*, **2018**, 96, 22-31	5.7	19
119	Optimal Attack Energy Allocation against Remote State Estimation. *IEEE Transactions on Automatic Control*, **2018**, 63, 2199-2205	5.9	55

118	. *IEEE Transactions on Automatic Control*, **2018**, 63, 797-804	5.9	27
117	Optimal DoS Attacks on Remote State Estimation with a Router **2018**,		3
116	A Novel Warehouse Multi-Robot Automation System with Semi-Complete and Computationally Efficient Path Planning and Adaptive Genetic Task Allocation Algorithms **2018**,		6
115	Toward Event-Triggered Extended State Observer. *IEEE Transactions on Automatic Control*, **2018**, 63, 1842-1849	5.9	55
114	Power Control of an Energy Harvesting Sensor for Remote State Estimation. *IEEE Transactions on Automatic Control*, **2017**, 62, 277-290	5.9	38
113	The Performance and Limitations of $epsilon$- Stealthy Attacks on Higher Order Systems. *IEEE Transactions on Automatic Control*, **2017**, 62, 941-947	5.9	48
112	Optimal Linear Cyber-Attack on Remote State Estimation. *IEEE Transactions on Control of Network Systems*, **2017**, 4, 4-13	4	201
111	SINR-Based DoS Attack on Remote State Estimation: A Game-Theoretic Approach. *IEEE Transactions on Control of Network Systems*, **2017**, 4, 632-642	4	148
110	A multi-channel transmission schedule for remote state estimation under DoS attacks. *Automatica*, **2017**, 78, 194-201	5.7	111
109	Event-Based State Estimation of Hidden Markov Models Through a GilbertElliott Channel. *IEEE Transactions on Automatic Control*, **2017**, 62, 3626-3633	5.9	13
108	Accurate clock synchronization in wireless sensor networks with bounded noise. *Automatica*, **2017**, 81, 350-358	5.7	28
107	. *IEEE Transactions on Control Systems Technology*, **2017**, 25, 1865-1872	4.8	21
106	Stochastic Game in Remote Estimation Under DoS Attacks **2017**, 1, 146-151		22
105	Game-theoretic pricing and selection with fading channels **2017**,		1
104	Improved results on transmission power control for remote state estimation. *Systems and Control Letters*, **2017**, 107, 44-48	2.4	3
103	Optimal DoS attack strategy against remote state estimation over lossy networks **2017**,		1
102	Optimal innovation-based deception attack on remote state estimation **2017**,		7
101	Stochastic link activation for distributed filtering under sensor power constraint. *Automatica*, **2017**, 75, 109-118	5.7	65

100	Optimal sensor scheduling for multiple linear dynamical systems. *Automatica*, **2017**, 75, 260-270	5.7	56
99	A Game-Theoretic Approach to Fake-Acknowledgment Attack on Cyber-Physical Systems. *IEEE Transactions on Signal and Information Processing Over Networks*, **2017**, 3, 1-11	2.8	30
98	Quickest Change Detection With Observation Scheduling. *IEEE Transactions on Automatic Control*, **2017**, 62, 2635-2647	5.9	8
97	Optimal denial-of-service attack on feedback channel against acknowledgment-based sensor power schedule for remote estimation **2017**,		2
96	A Game-theoretic Approach to Remote State Estimation in Presence of a DoS Attacker. *IFAC-PapersOnLine*, **2017**, 50, 2595-2600	0.7	4
95	Consequence Analysis of Innovation-based Integrity Attacks with Side Information on Remote State Estimation * *The work by Z. Guo and L. Shi is supported by an HKUST KTH Partnership FP804. The work by D. Shi is supported by Natural Science Foundation of China (61503027). The work by K.H. Johansson is supported by the Knut and Alice Wallenberg Foundation and the Swedish	0.7	4
94	Optimal Stealthy Attack under KL Divergence and Countermeasure with Randomized Threshold. *IFAC-PapersOnLine*, **2017**, 50, 9496-9501	0.7	3
93	Optimal Scheduling of Multiple Sensors with Packet Length Constraint. *IFAC-PapersOnLine*, **2017**, 50, 14430-14435	0.7	7
92	Multi-sensor Transmission Management for Remote State Estimation under Coordination. *IFAC-PapersOnLine*, **2017**, 50, 3829-3834	0.7	6
91	On the nonexistence of event-based triggers that preserve Gaussian state in presence of package-drop **2017**,		5
90	Optimal DoS Attack Scheduling in Wireless Networked Control System. *IEEE Transactions on Control Systems Technology*, **2016**, 24, 843-852	4.8	341
89	A data-driven power schedule for privacy protection in remote state estimation **2016**,		1
88	Finite-horizon Gaussianity-preserving event-based sensor scheduling in Kalman filter applications. *Automatica*, **2016**, 72, 100-107	5.7	20
87	Consensus Under Bounded Noise in Discrete Network Systems: An Algorithm With Fast Convergence and High Accuracy. *IEEE Transactions on Cybernetics*, **2016**, 46, 2874-2884	10.2	24
86	Multi-Sensor Scheduling for State Estimation With Event-Based, Stochastic Triggers. *IEEE Transactions on Automatic Control*, **2016**, 61, 2695-2701	5.9	60
85	A Set-Valued Filtering Approach. *Studies in Systems, Decision and Control*, **2016**, 143-181	0.8	
84	A Constrained Optimization Approach. *Studies in Systems, Decision and Control*, **2016**, 77-108	0.8	
83	A Stochastic Event-Triggering Approach. *Studies in Systems, Decision and Control*, **2016**, 109-141	0.8	0

82	Approximate Event-Triggering Approaches. *Studies in Systems, Decision and Control*, **2016**, 47-75	0.8	
81	Linear Gaussian Systems and Event-Based State Estimation. *Studies in Systems, Decision and Control*, **2016**, 33-46	0.8	4
80	An Opportunistic Sensor Scheduling Solution to Remote State Estimation Over Multiple Channels. *IEEE Transactions on Signal Processing*, **2016**, 64, 4905-4917	4.8	9
79	Deception-based Sensor Scheduling for Remote Estimation under DoS Attacks. *IFAC-PapersOnLine*, **2016**, 49, 169-174	0.7	9
78	A secure cross-layer design for remote estimation under DoS attack: When multi-sensor meets multi-channel **2016**,		2
77	Worst-case analysis of innovation-based linear attack on remote state estimation with resource constraint **2016**,		6
76	A study of packet-reordering integrity attack on remote state estimation **2016**,		4
75	A Game-Theoretic Approach to Jamming Attacks on Remote State Estimation in Cyber-Physical Systems **2016**, 3-30		1
74	Multi-Sensor-Based Aperiodic Least-Squares Estimation for Networked Systems With Transmission Constraints. *IEEE Transactions on Signal Processing*, **2015**, 63, 2349-2363	4.8	6
73	Optimal Denial-of-Service Attack Scheduling With Energy Constraint. *IEEE Transactions on Automatic Control*, **2015**, 60, 3023-3028	5.9	333
72	Data-driven power control for state estimation: A Bayesian inference approach. *Automatica*, **2015**, 54, 332-339	5.7	25
71	Deterministic Sensor Selection for Centralized State Estimation Under Limited Communication Resource. *IEEE Transactions on Signal Processing*, **2015**, 63, 2336-2348	4.8	18
70	Jamming Attacks on Remote State Estimation in Cyber-Physical Systems: A Game-Theoretic Approach. *IEEE Transactions on Automatic Control*, **2015**, 60, 2831-2836	5.9	256
69	An improved stability condition for Kalman filtering with bounded Markovian packet losses. *Automatica*, **2015**, 62, 32-38	5.7	15
68	Stability analysis for Kalman filtering in a muti-hop network **2015**,		1
67	Stochastic Event-Triggered Sensor Schedule for Remote State Estimation. *IEEE Transactions on Automatic Control*, **2015**, 60, 2661-2675	5.9	177
66	Fake-acknowledgment attack on ACK-based sensor power schedule for remote state estimation **2015**,		8
65	Event-based attack against remote state estimation **2015**,		9

64	Jamming attack in centralized state estimation **2015**,		5
63	Supply and demand in smart grid: A closed-loop pricing strategy **2015**,		2
62	Optimal Parameter Estimation Under Controlled Communication Over Sensor Networks. *IEEE Transactions on Signal Processing*, **2015**, 63, 6473-6485	4.8	20
61	. *IEEE Transactions on Automatic Control*, **2015**, 60, 1275-1290	5.9	70
60	. *IEEE Transactions on Automatic Control*, **2014**, 59, 660-675	5.9	188
59	An Online Sensor Power Schedule for Remote State Estimation With Communication Energy Constraint. *IEEE Transactions on Automatic Control*, **2014**, 59, 1942-1947	5.9	28
58	Dynamic sensor transmission power scheduling for remote state estimation. *Automatica*, **2014**, 50, 1235-1242	5.7	37
57	. *IEEE Transactions on Vehicular Technology*, **2014**, 63, 3935-3946	6.8	20
56	Event-based state estimation of linear dynamical systems: Communication rate analysis **2014**,		9
55	A Stochastic Online Sensor Scheduler for Remote State Estimation With Time-Out Condition. *IEEE Transactions on Automatic Control*, **2014**, 59, 3110-3116	5.9	20
54	Stochastic sensor activation for distributed state estimation over a sensor network. *Automatica*, **2014**, 50, 2070-2076	5.7	94
53	An event-triggered approach to state estimation with multiple point- and set-valued measurements. *Automatica*, **2014**, 50, 1641-1648	5.7	105
52	Event-triggered maximum likelihood state estimation. *Automatica*, **2014**, 50, 247-254	5.7	124
51	Transmission Power Scheduling for Energy Harvesting Sensor in Remote State Estimation. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 122-127		3
50	Online Deception Attack Against Remote State Estimation. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 128-133		20
49	Multi-sensor transmission power scheduling for remote state estimation under SINR model **2014**,		7
48	Analysis and design of secure cyber-physical systems. *Control Theory and Technology*, **2014**, 12, 413-414	1	1
47	Distributed time synchronization under bounded noise in wireless sensor networks **2014**,		3

46	Optimal Denial-of-Service attack scheduling against linear quadratic Gaussian control **2014**,		17
45	Bayesian quickest change detection under energy constraints over wireless sensor networks with correlated fading channels **2014**,		2
44	Optimal DoS attacks on Bayesian quickest change detection **2014**,		7
43	Optimal two-sensor scheduling under duty cycle constraint. *Systems and Control Letters*, **2013**, 62, 1175-1179	2.4	3
42	Jamming attack on Cyber-Physical Systems: A game-theoretic approach **2013**,		19
41	Optimal DoS attack policy against remote state estimation **2013**,		34
40	Optimal Periodic Sensor Schedule for Steady-State Estimation Under Average Transmission Energy Constraint. *IEEE Transactions on Automatic Control*, **2013**, 58, 3265-3271	5.9	26
39	Schedule Communication for Decentralized State Estimation. *IEEE Transactions on Signal Processing* , **2013**, 61, 2525-2535	4.8	20
38	Optimal Periodic Transmission Power Schedules for Remote Estimation of ARMA Processes. *IEEE Transactions on Signal Processing*, **2013**, 61, 6164-6174	4.8	37
37	. *IEEE Transactions on Signal Processing*, **2013**, 61, 6387-6400	4.8	73
36	Event-Based Sensor Data Scheduling: Trade-Off Between Communication Rate and Estimation Quality. *IEEE Transactions on Automatic Control*, **2013**, 58, 1041-1046	5.9	289
35	. *IEEE Transactions on Automatic Control*, **2013**, 58, 1835-1841	5.9	23
34	How Can Online Schedules Improve Communication and Estimation Tradeoff?. *IEEE Transactions on Signal Processing*, **2013**, 61, 1625-1631	4.8	27
33	Online sensor transmission power schedule for remote state estimation **2013**,		13
32	Stochastic event-triggered sensor scheduling for remote state estimation **2013**,		6
31	Distributed Kalman Filter with minimum-time covariance computation **2013**,		2
30	Multi-Sensor Scheduling for State Estimation with Event-Based, Stochastic Triggers*. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2013**, 46, 15-22		4
29	An improved hybrid sensor schedule for remote state estimation under limited communication resources **2012**,		6

28	Convergence and Mean Square Stability of Suboptimal Estimator for Systems With Measurement Packet Dropping. *IEEE Transactions on Automatic Control*, **2012**, 57, 1248-1253	5.9	59
27	. *IEEE Transactions on Signal Processing*, **2012**, 60, 2701-2705	4.8	49
26	On Optimal Partial Broadcasting of Wireless Sensor Networks for Kalman Filtering. *IEEE Transactions on Automatic Control*, **2012**, 57, 715-721	5.9	18
25	Infinite-horizon sensor scheduling for estimation over lossy networks **2012**,		7
24	Scheduling Two Gauss Markov Systems: An Optimal Solution for Remote State Estimation Under Bandwidth Constraint. *IEEE Transactions on Signal Processing*, **2012**, 60, 2038-2042	4.8	66
23	Clock synchronization for random mobile sensor networks **2012**,		8
22	Consensus and convergence rate analysis for multi-agent systems with time delay **2012**,		2
21	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		27
20	Sensor data scheduling for optimal state estimation with communication energy constraint. *Automatica*, **2011**, 47, 1693-1698	5.7	131
19	Sensor scheduling over a packet-delaying network. *Automatica*, **2011**, 47, 1089-1092	5.7	16
18	**2011**,		19
17	Optimal Periodic Sensor Scheduling With Limited Resources. *IEEE Transactions on Automatic Control* , **2011**, 56, 2190-2195	5.9	68
16	Stochastic Filtering for Diffusion Processes With Level Crossings. *IEEE Transactions on Automatic Control*, **2011**, 56, 2201-2206	5.9	3
15	. *IEEE Transactions on Signal Processing*, **2011**, 59, 5050-5056	4.8	46
14	Kalman Filtering Over a Packet-Dropping Network: A Probabilistic Perspective. *IEEE Transactions on Automatic Control*, **2010**, 55, 594-604	5.9	132
13	Sensor data scheduling over a packet-dropping network **2010**,		2
12	Sensor scheduling with limited communication energy and bandwidth **2010**,		2
11	State estimation over a communication network: measurement or estimate communication?. *Journal of Control Theory and Applications*, **2010**, 8, 20-26		1

10	Decentralised final value theorem for discrete-time LTI systems with application to minimal-time distributed consensus **2009**,		11
9	Scheduling for finite time consensus **2009**,		3
8	State estimation over a network: Packet-dropping analysis and design **2009**,		1
7	Kalman Filtering Over Graphs: Theory and Applications. *IEEE Transactions on Automatic Control*, **2009**, 54, 2230-2234	5.9	17
6	Kalman filtering over a packet-delaying network: A probabilistic approach. *Automatica*, **2009**, 45, 2134-2140	5.7	63
5	Kalman filtering over a packet dropping network: A probabilistic approach **2008**,		9
4	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		13
3	Probabilistic performance of state estimation across a lossy network. *Automatica*, **2008**, 44, 3046-3053	5.7	70
2	Effective Sensor Scheduling Schemes in a Sensor Network by Employing Feedback in the Communication Loop. *Control Applications (CCA), Proceedings of the IEEE International Conference on*, **2007**,		10
1	Estimation with Information Loss: Asymptotic Analysis and Error Bounds		7