

Shu-Li Sun

List of Publications by Year in descending order

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122
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times ranked

1471
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimator for Multirate Sampling Systems With Multiple Random Measurement Time Delays. IEEE Transactions on Automatic Control, 2022, 67, 1589-1596.	5.7	13
2	Distributed Kalman filtering for sensor networks with random sensor activation, delays, and packet dropouts. International Journal of Systems Science, 2022, 53, 575-592.	5.5	13
3	Distributed Filtering for Sensor Networks with Fading Measurements and Compensations for Transmission Delays and Losses. Signal Processing, 2022, 190, 108306.	3.7	17
4	Distributed Filtering for Multi-sensor Systems with Missing Data. Information Fusion, 2022, 86-87, 116-135.	19.1	12
5	Estimation for Networked Random Sampling Systems With Packet Losses. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5511-5521.	9.3	4
6	Distributed Fusion Estimation for Multisensor Multirate Systems With Packet Dropout Compensations and Correlated Noises. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5762-5772.	9.3	29
7	Event-triggered sequential fusion filters based on estimators of observation noises for multi-sensor systems with correlated noises. , 2021, 111, 102960.		15
8	Generalized Resonance Sensor Based on Fiber Bragg Grating. Photonics, 2021, 8, 156.	2.0	3
9	Event-triggered optimal and suboptimal distributed Kalman consensus filters for sensor networks. Journal of the Franklin Institute, 2021, 358, 5163-5183.	3.4	15
10	Early Weak Fault Diagnosis of Rolling Bearings Based on Fiber Bragg Grating Sensing Monitoring. Symmetry, 2021, 13, 1473.	2.2	3
11	Distributed Kalman Filters With Random Sensor Activation and Noisy Channels. IEEE Sensors Journal, 2021, 21, 27659-27675.	4.7	11
12	Distributed Kalman Predictor with Different Consensus Gains over Sensor Networks. , 2021, , .		0
13	Fusion Filtering for Stochastic Systems with Correlated Noises and Deception Attacks. , 2021, , .		0
14	Measurement of Young's Modulus of Metallic Materials Based on Fiber Bragg Grating. , 2021, , .		0
15	Fusion identification and estimation of multisensor multichannel AR signals with missing measurements and sensor biases. , 2020, 98, 102636.		9
16	Optimal Linear Filter for Systems With Random Delay and Packet Dropout Compensations. IEEE Access, 2020, 8, 145268-145277.	4.2	10
17	Optimal Sequential Estimation for Asynchronous Sampling Discrete-time Systems. IEEE Transactions on Signal Processing, 2020, 68, 6117-6127.	5.3	9
18	Distributed optimal linear fusion estimators. Information Fusion, 2020, 63, 56-73.	19.1	35

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19	Optimal linear recursive estimators for stochastic uncertain systems with time-correlated additive noises and packet dropout compensations. <i>Signal Processing</i> , 2020, 176, 107704.	3.7	17
20	Distributed Fusion Filter for Nonlinear Multi-Sensor Systems With Correlated Noises. <i>IEEE Access</i> , 2020, 8, 39548-39560.	4.2	9
21	Distributed Optimal Linear Fusion Predictors and Filters for Systems With Random Parameter Matrices and Correlated Noises. <i>IEEE Transactions on Signal Processing</i> , 2020, 68, 1064-1074.	5.3	38
22	Distributed Optimal Predictor with Multi-consensus Gains for Sensor Networks. , 2020, , .		3
23	Sequential Inverse Covariance Intersection Fusion Estimation for Non-uniform Sampling Systems with Fading Measurements. , 2020, , .		2
24	Event-triggered distributed Kalman consensus filter for sensor networks. , 2020, , .		1
25	Distributed fusion filter for multi-sensor systems with finite-step correlated noises. <i>Information Fusion</i> , 2019, 46, 128-140.	19.1	37
26	Optimal recursive estimation for networked stochastic uncertain systems with fading measurements and time-correlated channel noises. <i>Journal of Computational and Applied Mathematics</i> , 2019, 346, 549-565.	2.0	21
27	Distributed Fusion Estimation for Multi-rate Multi-sensor Time-delayed Systems with Fading Measurements. , 2019, , .		3
28	Self-Tuning Distributed Fusion Filter for Multi-Sensor Networked Systems with Unknown Packet Receiving Rates, Noise Variances, and Model Parameters. <i>Sensors</i> , 2019, 19, 4436.	3.8	8
29	Distributed fusion cubature Kalman filters for nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 5979-5991.	3.7	28
30	An overview of multirate multisensor systems: Modelling and estimation. <i>Information Fusion</i> , 2019, 52, 335-343.	19.1	27
31	Globally optimal sequential and distributed fusion state estimation for multi-sensor systems with cross-correlated noises. <i>Automatica</i> , 2019, 101, 128-137.	5.0	65
32	Prediction-based approach to finite-time stabilization of networked control systems with time delays and data packet dropouts. <i>Neurocomputing</i> , 2019, 329, 320-328.	5.9	34
33	A general packet dropout compensation framework for optimal prior filter of networked multi-sensor systems. <i>Information Fusion</i> , 2019, 45, 128-137.	19.1	22
34	Fusion estimation for multi-sensor networked systems with packet loss compensation. <i>Information Fusion</i> , 2019, 45, 138-149.	19.1	51
35	Distributed Asynchronous Fusion Estimator for Stochastic Uncertain Systems With Multiple Sensors of Different Fading Measurement Rates. <i>IEEE Transactions on Signal Processing</i> , 2018, 66, 641-653.	5.3	54
36	Optimal Sequential Fusion Estimation With Stochastic Parameter Perturbations, Fading Measurements, and Correlated Noises. <i>IEEE Transactions on Signal Processing</i> , 2018, 66, 3571-3583.	5.3	36

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37	Distributed Fusion Estimator for Multisensor Multirate Systems With Correlated Noises. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1131-1139.	9.3	46
38	Fuzzy H _∞ Control for Networked T-S Model-based Nonlinear Systems with Redundant Channels. , 2018, , .		1
39	Weighted Measurement Fusion Particle Filter for Nonlinear Systems with Correlated Noises. Sensors, 2018, 18, 3242.	3.8	4
40	Self-Tuning Distributed Fusion Filter for Multi-Sensor Systems Subject to Unknown Model Parameters and Missing Measurement Rates. IEEE Access, 2018, 6, 61519-61528.	4.2	12
41	Distributed Fusion Filter for Multi-sensor Descriptor Systems with Multiple Packet Dropouts Based on Prediction Compensation. , 2018, , .		0
42	Advances in Multi-Sensor Information Fusion: Theory and Applications 2017. Sensors, 2018, 18, 1162.	3.8	17
43	WMF reduced-order robust estimators for multisensor descriptor systems. IET Control Theory and Applications, 2018, 12, 2232-2244.	2.1	24
44	Multi-sensor distributed fusion estimation with applications in networked systems: A review paper. Information Fusion, 2017, 38, 122-134.	19.1	238
45	State estimators for systems with random parameter matrices, stochastic nonlinearities, fading measurements and correlated noises. Information Sciences, 2017, 397-398, 118-136.	6.9	46
46	Optimal recursive estimation for networked descriptor systems with packet dropouts, multiplicative noises and correlated noises. Aerospace Science and Technology, 2017, 63, 41-53.	4.8	37
47	Distributed fusion estimation for multi-sensor non-uniform sampling systems with correlated noises and packet dropouts. , 2017, , .		2
48	A Solution to Estimation Fusion for Multirate Measurements with Delays. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 3020-3031.	4.7	17
49	Linear estimators for networked systems with one-step random delay and multiple packet dropouts based on prediction compensation. IET Signal Processing, 2017, 11, 197-204.	1.5	22
50	Self-tuning full-order WMF Kalman filter for multisensor descriptor systems. IET Control Theory and Applications, 2017, 11, 359-368.	2.1	25
51	Distributed fusion filter for networked stochastic uncertain systems with transmission delays and packet dropouts. Signal Processing, 2017, 130, 268-278.	3.7	80
52	Distributed fusion estimation for multi-sensor asynchronous sampling systems with correlated noises. International Journal of Systems Science, 2017, 48, 952-960.	5.5	26
53	control for networked stochastic nonlinear systems with randomly occurring sensor saturations, multiple delays and packet dropouts. IET Control Theory and Applications, 2017, 11, 2954-2963.	2.1	16
54	Optimal linear filter for systems with multiple packet dropouts and time-correlated channel noise. , 2017, , .		0

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55	A Weighted Measurement Fusion Particle Filter for Nonlinear Multisensory Systems Based on Gauss-Hermite Approximation. <i>Sensors</i> , 2017, 17, 2222.	3.8	12
56	Fuzzy control for networked nonlinear systems subject to randomly occurred sensor saturations and multiple packet dropouts. , 2017, , .		1
57	State Estimation for a Class of Non-Uniform Sampling Systems with Missing Measurements. <i>Sensors</i> , 2016, 16, 1155.	3.8	22
58	H _∞ filtering for T-S fuzzy systems with random multiple delays and packet dropouts subject to sensor saturations. , 2016, , .		0
59	H_{∞} Filtering for Network-Based Systems With Delayed Measurements, Packet Losses, and Randomly Varying Nonlinearities. <i>IEEE Sensors Journal</i> , 2016, 16, 4909-4918.	4.7	7
60	Distributed fusion estimator for multi-sensor asynchronous sampling systems with missing measurements. <i>IET Signal Processing</i> , 2016, 10, 724-731.	1.5	26
61	Optimal Linear Estimators for Systems With Finite-Step Correlated Noises and Packet Dropout Compensations. <i>IEEE Transactions on Signal Processing</i> , 2016, 64, 5672-5681.	5.3	54
62	Multi-sensor information fusion estimators for stochastic uncertain systems with correlated noises. <i>Information Fusion</i> , 2016, 27, 126-137.	19.1	146
63	Fusion Predictors for Multisensor Stochastic Uncertain Systems With Missing Measurements and Unknown Measurement Disturbances. <i>IEEE Sensors Journal</i> , 2015, 15, 4346-4354.	4.7	46
64	Optimal linear estimators for multi-sensor stochastic uncertain systems with packet losses of both sides. , 2015, 37, 24-34.		22
65	H_{∞} filtering for networked linear systems with multiple packet dropouts and random delays. , 2015, 46, 59-67.		16
66	Fault detection for networked systems with random delays and packet losses. <i>Journal of Process Control</i> , 2015, 35, 80-88.	3.3	8
67	Nonlinear weighted measurement fusion Unscented Kalman Filter with asymptotic optimality. <i>Information Sciences</i> , 2015, 299, 85-98.	6.9	31
68	Optimal H_{∞} fusion controller design for a class of discrete-time systems with missing measurements. , 2014, , .		0
69	Resource-Constrained Signal Processing in Sensor Networks. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-2.	1.1	0
70	Weighted Measurement Fusion Quantized Filtering with Bandwidth Constraints and Missing Measurements in Sensor Networks. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-7.	1.1	1
71	CI fusion filter for networked systems with uncertain observations, random delays and packets losses. , 2014, , .		1
72	Multi-sensor distributed fusion filtering for networked systems with different delay and loss rates. , 2014, 34, 29-38.		68

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73	Modeling and estimation for networked systems with multiple random transmission delays and packet losses. <i>Systems and Control Letters</i> , 2014, 73, 6-16.	2.3	73
74	Linear estimation for networked control systems with random transmission delays and packet dropouts. <i>Information Sciences</i> , 2014, 269, 349-365.	6.9	82
75	H $\hat{\infty}$ filtering for multiple channel systems with varying delays, consecutive packet losses and randomly occurred nonlinearities. <i>Signal Processing</i> , 2014, 105, 109-121.	3.7	16
76	Observer-based H $\hat{\infty}$ control for networked systems with bounded random delays and consecutive packet dropouts. <i>International Journal of Robust and Nonlinear Control</i> , 2014, 24, 2785-2802.	3.7	9
77	Optimal linear estimators for systems with multiple random measurement delays and packet dropouts. <i>International Journal of Systems Science</i> , 2013, 44, 358-370.	5.5	29
78	Centralized Fusion Estimators for Multisensor Systems With Random Sensor Delays, Multiple Packet Dropouts and Uncertain Observations. <i>IEEE Sensors Journal</i> , 2013, 13, 1228-1235.	4.7	78
79	Optimal Linear Filters for Discrete-Time Systems With Randomly Delayed and Lost Measurements With/Without Time Stamps. <i>IEEE Transactions on Automatic Control</i> , 2013, 58, 1551-1556.	5.7	128
80	State Filter for Descriptor Systems with Packet Losses. <i>Lecture Notes in Electrical Engineering</i> , 2012, , 427-433.	0.4	0
81	Step by step fusion SOI-KF with random packet dropping. , 2012, , .		1
82	Distributed fusion filter for multi-rate multi-sensor systems with packet dropouts. , 2012, , .		14
83	Weighted Measurement Fusion White Noise Deconvolution Filter with Correlated Noise for Multisensor Stochastic Systems. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-16.	1.1	6
84	Optimal Linear Estimators for Discrete-time Systems with One-step Random Delays and Multiple Packet Dropouts. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2012, 38, 349-354.	1.5	35
85	Robust H $\hat{\infty}$ Control for Networked Systems with Random Packet Dropouts and Time Delays. <i>Procedia Engineering</i> , 2012, 29, 4192-4197.	1.2	9
86	H $\hat{\infty}$ control for networked systems with random delays and packet dropouts. <i>International Journal of Control, Automation and Systems</i> , 2012, 10, 1023-1031.	2.7	8
87	Optimal Filter for Stochastic Uncertain Systems with Multiplicative Noise and Sensor Failure Rates. <i>Lecture Notes in Electrical Engineering</i> , 2012, , 1319-1327.	0.4	0
88	Optimal Linear Estimation for Networked Systems with One-step Random Delays and Multiple Packet Dropouts. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2012, 38, 349-356.	0.3	30
89	Centralized Fusion Estimators for Multi-sensor Systems with Multiplicative Noises and Missing Measurements. <i>Journal of Networks</i> , 2012, 7, .	0.4	19
90	Distributed Optimal Fusion Filter for Multi-Sensor Systems with Finite Consecutive Packet Dropouts. <i>Lecture Notes in Electrical Engineering</i> , 2012, , 1259-1267.	0.4	0

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91	Optimal Linear Estimators for Systems With Random Sensor Delays, Multiple Packet Dropouts and Uncertain Observations. IEEE Transactions on Signal Processing, 2011, 59, 5181-5192.	5.3	100
92	Information fusion estimators for systems with multiple sensors of different packet dropout rates. Information Fusion, 2011, 12, 213-222.	19.1	56
93	Optimal linear estimators for systems with random measurement delays. Journal of Control Theory and Applications, 2011, 9, 76-82.	0.8	6
94	Quantized Kalman Filter for Sensor Networks with Random Packet Dropouts. Advanced Materials Research, 2011, 219-220, 1040-1044.	0.3	2
95	Quantized filtering of linear stochastic systems. Transactions of the Institute of Measurement and Control, 2011, 33, 683-698.	1.7	36
96	Design of information fusion filter for a class of multi-sensor asynchronous sampling systems. , 2011, , .		5
97	Optimal full-order filtering for discrete-time systems with random measurement delays and multiple packet dropouts. Journal of Control Theory and Applications, 2010, 8, 105-110.	0.8	18
98	Distributed fusion filter for discrete-time stochastic systems with uncertain observation and correlated noises. , 2010, , .		1
99	Distributed optimal fusion prior filter for systems with multiple packet dropouts. , 2010, , .		0
100	Distributed fusion filter for stochastic singular systems with unknown disturbance. , 2010, , .		0
101	New Approach to Optimal Filtering for ARMA Signals. , 2009, , .		0
102	Optimal and suboptimal prior filters with bounded multiple packet dropouts. , 2009, , .		1
103	Linear minimum variance estimators for systems with bounded random measurement delays and packet dropouts. Signal Processing, 2009, 89, 1457-1466.	3.7	74
104	Optimal and self-tuning fusion Kalman filters for discrete-time stochastic singular systems. International Journal of Adaptive Control and Signal Processing, 2008, 22, 932-948.	4.1	4
105	Multi-sensor optimal fusion fixed-interval Kalman smoothers. Information Fusion, 2008, 9, 293-299.	19.1	14
106	Optimal linear estimation for systems with multiple packet dropouts. Automatica, 2008, 44, 1333-1342.	5.0	287
107	Optimal Full-Order and Reduced-Order Estimators for Discrete-Time Systems With Multiple Packet Dropouts. IEEE Transactions on Signal Processing, 2008, 56, 4031-4038.	5.3	90
108	Distributed fusion estimators for multi-sensor time-delay systems with correlated noise. , 2008, , .		1

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109	Distributed fusion filtering for discrete-time stochastic linear systems with unknown inputs. , 2008, , .		1
110	Optimal Filtering for Systems With Multiple Packet Dropouts. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 695-699.	3.0	86
111	Multi-Sensor Distributed Fusion Filter for Discrete Stochastic Multi-Delayed Systems with Correlated Noise. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 480-484.	0.4	0
112	Optimal and self-tuning information fusion Kalman multi-step predictor. IEEE Transactions on Aerospace and Electronic Systems, 2007, 43, 418-427.	4.7	33
113	Optimal filtering and smoothing for discrete-time stochastic singular systems. Signal Processing, 2007, 87, 189-201.	3.7	62
114	Distributed optimal component fusion deconvolution filtering. Signal Processing, 2007, 87, 202-209.	3.7	6
115	Distributed Weighted Fusion Estimators with Random Delays and Packet Dropping. Circuits, Systems, and Signal Processing, 2007, 26, 591-605.	2.0	20
116	Optimal Fusion Distributed Filter for Systems with Unknown Constant Sensor Bias. , 2006, , .		3
117	Distributed optimal component fusion weighted by scalars for fixed-lag Kalman smoother. Automatica, 2005, 41, 2153-2159.	5.0	76
118	Distributed optimal fusion steady-state Kalman filter for systems with coloured measurement noises. International Journal of Systems Science, 2005, 36, 113-118.	5.5	29
119	Multi-sensor optimal information fusion Kalman filters with applications. Aerospace Science and Technology, 2004, 8, 57-62.	4.8	171
120	Multi-sensor information fusion white noise filter weighted by scalars based on Kalman predictor. Automatica, 2004, 40, 1447-1453.	5.0	123
121	Multi-sensor optimal information fusion Kalman filter. Automatica, 2004, 40, 1017-1023.	5.0	733
122	Multisensor Optimal Information Fusion Input White Noise Deconvolution Estimators. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 1886-1893.	5.0	41