

Raquel Caballero-Aguila

List of Publications by Year in descending order

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67
papers

1,141
citations

471061

17
h-index

433756

31
g-index

67
all docs

67
docs citations

67
times ranked

360
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal state estimation for networked systems with random parameter matrices, correlated noises and delayed measurements. <i>International Journal of General Systems</i> , 2015, 44, 142-154.	1.2	101
2	Distributed fusion filters from uncertain measured outputs in sensor networks with random packet losses. <i>Information Fusion</i> , 2017, 34, 70-79.	11.7	78
3	Networked distributed fusion estimation under uncertain outputs with random transmission delays, packet losses and multi-packet processing. <i>Signal Processing</i> , 2019, 156, 71-83.	2.1	68
4	Recursive estimators of signals from measurements with stochastic delays using covariance information. <i>Applied Mathematics and Computation</i> , 2005, 162, 65-79.	1.4	65
5	Information fusion algorithms for state estimation in multi-sensor systems with correlated missing measurements. <i>Applied Mathematics and Computation</i> , 2014, 226, 548-563.	1.4	65
6	Networked fusion estimation with multiple uncertainties and time-correlated channel noise. <i>Information Fusion</i> , 2020, 54, 161-171.	11.7	55
7	Fusion estimation using measured outputs with random parameter matrices subject to random delays and packet dropouts. <i>Signal Processing</i> , 2016, 127, 12-23.	2.1	51
8	Signal estimation with multiple delayed sensors using covariance information. , 2010, 20, 528-540.		44
9	Optimal linear filter design for systems with correlation in the measurement matrices and noises: recursive algorithm and applications. <i>International Journal of Systems Science</i> , 2014, 45, 1548-1562.	3.7	44
10	A new approach to distributed fusion filtering for networked systems with random parameter matrices and correlated noises. <i>Information Fusion</i> , 2019, 45, 324-332.	11.7	44
11	Linear recursive discrete-time estimators using covariance information under uncertain observations. <i>Signal Processing</i> , 2003, 83, 1553-1559.	2.1	28
12	New design of estimators using covariance information with uncertain observations in linear discrete-time systems. <i>Applied Mathematics and Computation</i> , 2003, 135, 429-441.	1.4	26
13	Least-squares linear filtering using observations coming from multiple sensors with one- or two-step random delay. <i>Signal Processing</i> , 2009, 89, 2045-2052.	2.1	25
14	New distributed fusion filtering algorithm based on covariances over sensor networks with random packet dropouts. <i>International Journal of Systems Science</i> , 2017, 48, 1805-1817.	3.7	24
15	Second-order polynomial estimators from uncertain observations using covariance information. <i>Applied Mathematics and Computation</i> , 2003, 143, 319-338.	1.4	21
16	Covariance-based estimation algorithms in networked systems with mixed uncertainties in the observations. <i>Signal Processing</i> , 2014, 94, 163-173.	2.1	21
17	Centralized, distributed and sequential fusion estimation from uncertain outputs with correlation between sensor noises and signal. <i>International Journal of General Systems</i> , 2019, 48, 713-737.	1.2	20
18	Signal estimation based on covariance information from observations featuring correlated uncertainty and coming from multiple sensors. <i>Signal Processing</i> , 2008, 88, 2998-3006.	2.1	18

#	ARTICLE	IF	CITATIONS
19	Optimal Fusion Filtering in Multisensor Stochastic Systems with Missing Measurements and Correlated Noises. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-14.	0.6	18
20	Linear and quadratic estimation using uncertain observations from multiple sensors with correlated uncertainty. <i>Signal Processing</i> , 2011, 91, 330-337.	2.1	17
21	Linear estimation from uncertain observations with white plus coloured noises using covariance information. , 2003, 13, 552-568.		16
22	Recursive estimation of discrete-time signals from nonlinear randomly delayed observations. <i>Computers and Mathematics With Applications</i> , 2009, 58, 1160-1168.	1.4	16
23	Linear estimation based on covariances for networked systems featuring sensor correlated random delays. <i>International Journal of Systems Science</i> , 2013, 44, 1233-1244.	3.7	16
24	A New Estimation Algorithm from Measurements with Multiple-Step Random Delays and Packet Dropouts. <i>Mathematical Problems in Engineering</i> , 2010, 2010, 1-18.	0.6	14
25	Least-squares linear estimators using measurements transmitted by different sensors with packet dropouts. , 2012, 22, 1118-1125.		14
26	Networked Fusion Filtering from Outputs with Stochastic Uncertainties and Correlated Random Transmission Delays. <i>Sensors</i> , 2016, 16, 847.	2.1	14
27	Covariance-based fusion filtering for networked systems with random transmission delays and non-consecutive losses. <i>International Journal of General Systems</i> , 2017, 46, 752-771.	1.2	14
28	Optimal Fusion Estimation with Multi-Step Random Delays and Losses in Transmission. <i>Sensors</i> , 2017, 17, 1151.	2.1	14
29	Polynomial Filtering With Uncertain Observations in Stochastic Linear Systems. <i>International Journal of Modelling and Simulation</i> , 2003, 23, 22-28.	2.3	13
30	Quadratic estimation problem in discrete-time stochastic systems with random parameter matrices. <i>Applied Mathematics and Computation</i> , 2016, 273, 308-320.	1.4	13
31	Centralized filtering and smoothing algorithms from outputs with random parameter matrices transmitted through uncertain communication channels. , 2019, 85, 77-85.		13
32	Fixed-point smoothing with non-independent uncertainty using covariance information. <i>International Journal of Systems Science</i> , 2003, 34, 439-452.	3.7	11
33	New recursive estimators from correlated interrupted observations using covariance information. <i>International Journal of Systems Science</i> , 2005, 36, 617-629.	3.7	11
34	Fusion Estimation from Multisensor Observations with Multiplicative Noises and Correlated Random Delays in Transmission. <i>Mathematics</i> , 2017, 5, 45.	1.1	11
35	Fixed-interval smoothing algorithm based on covariances with correlation in the uncertainty. , 2005, 15, 207-221.		10
36	Recursive fixed-point smoothing algorithm from covariances based on uncertain observations with correlation in the uncertainty. <i>Applied Mathematics and Computation</i> , 2008, 203, 243-251.	1.4	10

#	ARTICLE	IF	CITATIONS
37	Signal estimation with nonlinear uncertain observations using covariance information. <i>Journal of Statistical Computation and Simulation</i> , 2009, 79, 55-66.	0.7	10
38	A Two-Phase Distributed Filtering Algorithm for Networked Uncertain Systems with Fading Measurements under Deception Attacks. <i>Sensors</i> , 2020, 20, 6445.	2.1	10
39	Recursive least-squares quadratic smoothing from measurements with packet dropouts. <i>Signal Processing</i> , 2012, 92, 931-938.	2.1	9
40	Covariance-Based Estimation from Multisensor Delayed Measurements with Random Parameter Matrices and Correlated Noises. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-13.	0.6	9
41	Distributed Fusion Filtering in Networked Systems with Random Measurement Matrices and Correlated Noises. <i>Discrete Dynamics in Nature and Society</i> , 2015, 2015, 1-10.	0.5	7
42	Centralized Fusion Approach to the Estimation Problem with Multi-Packet Processing under Uncertainty in Outputs and Transmissions. <i>Sensors</i> , 2018, 18, 2697.	2.1	7
43	Distributed fusion estimation from measurements with correlated random parameter matrices and noise correlation. <i>International Journal of Computer Mathematics</i> , 2020, 97, 95-108.	1.0	6
44	Least-squares Polynomial Estimation from Observations Featuring Correlated Random Delays. <i>Methodology and Computing in Applied Probability</i> , 2010, 12, 491-509.	0.7	5
45	An innovation approach to the smoothing problem from uncertain observations with correlated signal and noise. <i>Mathematical Methods in the Applied Sciences</i> , 2005, 28, 1569-1584.	1.2	4
46	Least-squares $\hat{1}/2$ th-order polynomial estimation of signals from observations affected by non-independent uncertainty. <i>Applied Mathematics and Computation</i> , 2006, 176, 642-653.	1.4	4
47	Least-Squares Filtering Algorithm in Sensor Networks with Noise Correlation and Multiple Random Failures in Transmission. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-9.	0.6	4
48	Design of recursive Wiener fixed-point smoothers based on innovations approach in linear discrete-time stochastic systems. <i>Applied Mathematics and Computation</i> , 2005, 165, 731-747.	1.4	3
49	Covariance-Based Estimation for Clustered Sensor Networks Subject to Random Deception Attacks. <i>Sensors</i> , 2019, 19, 3112.	2.1	3
50	Distributed fusion filtering for multi-sensor systems with correlated random transition and measurement matrices. <i>International Journal of Computer Mathematics</i> , 2020, 97, 263-274.	1.0	3
51	Centralized fusion quadratic estimators in multi-sensor systems with correlated missing measurements. <i>Applied Mathematical Sciences</i> , 0, 7, 2795-2813.	0.0	3
52	Quadratic estimation from uncertain observations with white plus coloured noises using covariance information. <i>Applied Mathematics and Computation</i> , 2004, 155, 65-79.	1.4	2
53	Signal polynomial smoothing from correlated interrupted observations based on covariances. <i>Mathematical Methods in the Applied Sciences</i> , 2007, 30, 1645-1665.	1.2	2
54	Polynomial fixed-point smoothing of uncertainly observed signals based on covariances. <i>International Journal of Systems Science</i> , 2008, 39, 207-216.	3.7	2

#	ARTICLE	IF	CITATIONS
55	RLS Wiener estimators from observations with multiple and random delays in linear discrete-time stochastic systems. Applied Mathematics and Computation, 2013, 225, 184-194.	1.4	2
56	Distributed estimation based on covariances under network-induced phenomena described by random measurement matrices. International Journal of General Systems, 2016, 45, 486-501.	1.2	2
57	Least mean-squared error polynomial estimation in systems with uncertain observations. , 0, , .		1
58	Least-squares quadratic estimators from non-independent uncertain observations with coloured noise. , 0, , .		0
59	General expression of the least-squares linear smoother using covariance information under uncertain observations. , 0, , .		0
60	New filtering algorithm using observations with one or two-step random delay. , 2007, , .		0
61	Signal estimation from uncertain observations coming from multiple sensors. , 2007, , .		0
62	Linear least-squares estimation based on covariances from multiple correlated uncertain observations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 3677-3682.	0.4	0
63	Estimation in Linear Systems Featuring Correlated Uncertain Observations Coming from Multiple Sensors. , 2009, , .		0
64	Unscented Filtering Algorithm for Discrete-Time Systems with Uncertain Observations and State-Dependent Noise. , 0, , .		0
65	Quadratic Filtering Algorithm Based on Covariances Using Correlated Uncertain Observations Coming from Different Sensors. ISRN Applied Mathematics, 2011, 2011, 1-18.	0.5	0
66	THE BENEFITS OF USING SUPPLEMENTARY SELF-ASSESSMENT MATERIALS FOR FOREIGN STUDENTS. , 2021, , .		0
67	Recursive Estimation Algorithm Based on Covariances for Uncertainly Observed Signals Correlated with Noise. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2008, E91-A, 1706-1712.	0.2	0