

# Deng Zili

## List of Publications by Year in descending order

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62  
papers

2,621  
citations

279798

23  
h-index

189892

50  
g-index

62  
all docs

62  
docs citations

62  
times ranked

851  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-sensor optimal information fusion Kalman filter. <i>Automatica</i> , 2004, 40, 1017-1023.	5.0	733
2	New approach to information fusion steady-state Kalman filtering. <i>Automatica</i> , 2005, 41, 1695-1707.	5.0	222
3	Sequential covariance intersection fusion Kalman filter. <i>Information Sciences</i> , 2012, 189, 293-309.	6.9	202
4	Robust weighted fusion Kalman filters for multisensor time-varying systems with uncertain noise variances. <i>Signal Processing</i> , 2014, 99, 185-200.	3.7	121
5	Self-tuning decoupled information fusion Wiener state component filters and their convergence. <i>Automatica</i> , 2008, 44, 685-695.	5.0	115
6	The accuracy comparison of multisensor covariance intersection fuser and three weighting fusers. <i>Information Fusion</i> , 2013, 14, 177-185.	19.1	115
7	Multi-model information fusion Kalman filtering and white noise deconvolution. <i>Information Fusion</i> , 2010, 11, 163-173.	19.1	112
8	Optimal and self-tuning white noise estimators with applications to deconvolution and filtering problems. <i>Automatica</i> , 1996, 32, 199-216.	5.0	90
9	Robust weighted fusion Kalman predictors with uncertain noise variances. , 2014, 30, 37-54.		69
10	Robust weighted state fusion Kalman estimators for networked systems with mixed uncertainties. <i>Information Fusion</i> , 2019, 45, 246-265.	19.1	59
11	Robust centralized and weighted measurement fusion Kalman estimators for uncertain multisensor systems with linearly correlated white noises. <i>Information Fusion</i> , 2017, 35, 11-25.	19.1	57
12	Robust weighted fusion time-varying Kalman smoothers for multisensor system with uncertain noise variances. <i>Information Sciences</i> , 2014, 282, 15-37.	6.9	54
13	Robust fusion Kalman estimators for networked mixed uncertain systems with random one-step measurement delays, missing measurements, multiplicative noises and uncertain noise variances. <i>Information Sciences</i> , 2020, 534, 27-52.	6.9	40
14	Descriptor Wiener state estimators. <i>Automatica</i> , 2000, 36, 1761-1766.	5.0	36
15	Optimal and self-tuning weighted measurement fusion Kalman filters and their asymptotic global optimality. <i>International Journal of Adaptive Control and Signal Processing</i> , 2010, 24, 982-1004.	4.1	36
16	Self-tuning distributed measurement fusion Kalman estimator for the multi-channel ARMA signal. <i>Signal Processing</i> , 2011, 91, 2028-2041.	3.7	35
17	Robust weighted fusion Kalman estimators for multisensor systems with multiplicative noises and uncertain covariances linearly correlated white noises. <i>International Journal of Robust and Nonlinear Control</i> , 2017, 27, 2019-2052.	3.7	32
18	Decoupled distributed Kalman fuser for descriptor systems. <i>Signal Processing</i> , 2008, 88, 1261-1270.	3.7	30

#	ARTICLE	IF	CITATIONS
19	Robust weighted fusion Kalman estimators for systems with multiplicative noises, missing measurements and uncertain-variance linearly correlated white noises. <i>Aerospace Science and Technology</i> , 2017, 68, 331-344.	4.8	30
20	Distributed optimal fusion steady-state Kalman filter for systems with coloured measurement noises. <i>International Journal of Systems Science</i> , 2005, 36, 113-118.	5.5	29
21	Robust fusion time-varying Kalman estimators for multisensor networked systems with mixed uncertainties. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 4139-4174.	3.7	29
22	Information fusion white noise deconvolution estimators for time-varying systems. <i>Signal Processing</i> , 2008, 88, 1233-1247.	3.7	26
23	Robust centralized and weighted measurement fusion Kalman estimators for multisensor systems with multiplicative and uncertain-covariance linearly correlated white noises. <i>Journal of the Franklin Institute</i> , 2017, 354, 1992-2031.	3.4	24
24	Robust weighted fusion Kalman estimators for multi-model multisensor systems with uncertain-variance multiplicative and linearly correlated additive white noises. <i>Signal Processing</i> , 2017, 137, 339-355.	3.7	24
25	Optimal and self-tuning weighted measurement fusion Wiener filter for the multisensor multichannel ARMA signals. <i>Signal Processing</i> , 2009, 89, 738-752.	3.7	23
26	Guaranteed cost robust weighted measurement fusion steady-state Kalman predictors with uncertain noise variances. <i>Aerospace Science and Technology</i> , 2015, 46, 459-470.	4.8	23
27	Guaranteed Cost Robust Weighted Measurement Fusion Kalman Estimators With Uncertain Noise Variances and Missing Measurements. <i>IEEE Sensors Journal</i> , 2016, 16, 5817-5825.	4.7	23
28	Robust weighted fusion steady-state white noise deconvolution smoothers for multisensor systems with uncertain noise variances. <i>Signal Processing</i> , 2016, 122, 98-114.	3.7	23
29	Robust time-varying Kalman estimators for systems with packet dropouts and uncertain-variance multiplicative and linearly correlated additive white noises. <i>International Journal of Adaptive Control and Signal Processing</i> , 2018, 32, 147-169.	4.1	23
30	Self-tuning decoupled fusion Kalman filter based on the Riccati equation. <i>Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities</i> , 2008, 3, 459-464.	0.6	17
31	Hierarchical fusion robust Kalman filter for clustering sensor network time-varying systems with uncertain noise variances. <i>International Journal of Adaptive Control and Signal Processing</i> , 2015, 29, 99-122.	4.1	17
32	Robust centralized and weighted measurement fusion white noise deconvolution estimators for multisensor systems with mixed uncertainties. <i>International Journal of Adaptive Control and Signal Processing</i> , 2018, 32, 185-212.	4.1	14
33	Robust Weighted Fusion Kalman Estimators for Networked Multisensor Mixed Uncertain Systems With Random One-Step Sensor Delays, Uncertain-Variance Multiplicative, and Additive White Noises. <i>IEEE Sensors Journal</i> , 2019, 19, 10935-10946.	4.7	14
34	Convergence of self-tuning Riccati equation for systems with unknown parameters and noise variances. , 2010, , .		13
35	Robust Centralized and Weighted Measurement Fusion Kalman Predictors with Multiplicative Noises, Uncertain Noise Variances, and Missing Measurements. <i>Circuits, Systems, and Signal Processing</i> , 2018, 37, 770-809.	2.0	13
36	Self-tuning weighted fusion Kalman filter for ARMA signal with colored measurement noise and its convergence analysis. <i>International Journal of Adaptive Control and Signal Processing</i> , 2012, 26, 861-878.	4.1	10

#	ARTICLE	IF	CITATIONS
37	Robust centralized and integrated covariance intersection fusion Kalman estimators for networked mixed-uncertain systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 6298-6329.	3.7	10
38	Decoupled Wiener state fuser for descriptor systems. <i>Journal of Control Theory and Applications</i> , 2008, 6, 365-371.	0.8	8
39	Robust weighted fusion steady-state kalman predictors with uncertain noise variances. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2016, 52, 1077-1088.	4.7	7
40	Robust Kalman estimators for systems with mixed uncertainties. <i>Optimal Control Applications and Methods</i> , 2018, 39, 735-756.	2.1	6
41	Robust Kalman estimators for systems with multiplicative and uncertain-variance linearly correlated additive white noises. <i>Aerospace Science and Technology</i> , 2018, 72, 230-247.	4.8	6
42	Robust integrated covariance intersection fusion Kalman estimators for networked systems with a unified measurement model including five uncertainties. <i>Aerospace Science and Technology</i> , 2021, 118, 107049.	4.8	6
43	Self-tuning weighted measurement fusion Kalman filter and its convergence. <i>Journal of Control Theory and Applications</i> , 2010, 8, 435-440.	0.8	5
44	Self-tuning measurement fusion white noise deconvolution estimator with correlated noises. <i>Journal of Systems Engineering and Electronics</i> , 2010, 21, 666-674.	2.2	5
45	Weighted fusion robust steady-state estimators for multisensor networked systems with one-step random delay and inconsecutive packet dropouts. <i>International Journal of Adaptive Control and Signal Processing</i> , 2020, 34, 151-182.	4.1	5
46	Self-tuning fusion Kalman filter weighted by scalars and its convergence analysis for multi-channel autoregressive moving average signals. <i>International Journal of Adaptive Control and Signal Processing</i> , 2015, 29, 725-740.	4.1	4
47	Self-tuning measurement fusion Kalman predictors and their convergence analysis. <i>International Journal of Systems Science</i> , 2011, 42, 1697-1708.	5.5	3
48	Covariance Intersection Fusion Kalman Smoother for Systems with Colored Measurement Noises. <i>Procedia Engineering</i> , 2012, 29, 616-622.	1.2	3
49	Robust integrated covariance intersection fusion Kalman estimators for networked systems with random measurement delays, multiplicative noises, and uncertain noise variances. <i>International Journal of Adaptive Control and Signal Processing</i> , 2020, 34, 1697-1725.	4.1	3
50	Robust integrated covariance intersection fusion Kalman estimators for networked mixed uncertain time-varying systems. <i>IMA Journal of Mathematical Control and Information</i> , 2021, 38, 232-266.	1.7	3
51	Information fusion steady-state white noise deconvolution estimators with time-delayed measurements and colored measurement noises. <i>Journal of Electronics</i> , 2009, 26, 161-167.	0.2	2
52	A new information fusion white noise deconvolution estimator. <i>Journal of Control Theory and Applications</i> , 2009, 7, 438-444.	0.8	2
53	Multi-channel ARMA Signal Covariance Intersection Fusion Kalman Predictor. <i>Procedia Engineering</i> , 2012, 29, 609-615.	1.2	2
54	Information Fusion Kalman Predictor for Two-Sensor Multichannel ARMA Signal System with Time-Delayed Measurements. <i>Procedia Engineering</i> , 2012, 29, 623-629.	1.2	2

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55	Information Fusion Kalman Filter for Two-Sensor System with Time-Delayed Measurements. <i>Procedia Engineering</i> , 2012, 29, 630-636.	1.2	2
56	Self-tuning measurement fusion Kalman filter with correlated measurement noises. <i>Journal of Electronics</i> , 2009, 26, 614-622.	0.2	1
57	Distributed fusion white noise deconvolution estimators. <i>Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities</i> , 2009, 4, 270-277.	0.6	1
58	Self-Tuning Weighted Measurement Fusion Kalman Filter for Multi-Channel AR Signals and Its Convergence. <i>Procedia Engineering</i> , 2012, 29, 637-642.	1.2	1
59	Robust centralized fusion Kalman predictors with multiplicative noises, uncertain noise variances, and missing measurements. , 2016, , .		1
60	Convergence analysis of self-tuning Riccati equation for systems with correlation noises. <i>Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities</i> , 2009, 4, 409-416.	0.6	0
61	Self-tuning weighted measurement fusion white noise deconvolution estimator. <i>Journal of Electronics</i> , 2010, 27, 51-59.	0.2	0
62	Convergence of self-tuning Riccati equation with correlated noises. <i>Journal of Control Theory and Applications</i> , 2012, 10, 64-70.	0.8	0