

Jie Zhou

List of Publications by Year in descending order

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63
papers

800
citations

687363

13
h-index

526287

27
g-index

63
all docs

63
docs citations

63
times ranked

455
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Kalman filtering fusion with cross-correlated sensor noises. <i>Automatica</i> , 2007, 43, 1450-1456.	5.0	197
2	Globally Optimal Multisensor Distributed Random Parameter Matrices Kalman Filtering Fusion with Applications. <i>Sensors</i> , 2008, 8, 8086-8103.	3.8	71
3	An efficient algorithm for optimal linear estimation fusion in distributed multisensor systems. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2006, 36, 1000-1009.	2.9	59
4	Minimax Robust Optimal Estimation Fusion in Distributed Multisensor Systems With Uncertainties. <i>IEEE Signal Processing Letters</i> , 2010, 17, 811-814.	3.6	58
5	Optimal filtering for systems with finite-step autocorrelated noises and multiple packet dropouts. <i>Aerospace Science and Technology</i> , 2013, 24, 255-263.	4.8	43
6	Sensorsâ€™ optimal dimensionality compression matrix in estimation fusion. <i>Automatica</i> , 2005, 41, 2131-2139.	5.0	40
7	The optimal robust finite-horizon Kalman filtering for multiple sensors with different stochastic failure rates. <i>Applied Mathematics Letters</i> , 2013, 26, 80-86.	2.7	33
8	Information Geometric Approach to Multisensor Estimation Fusion. <i>IEEE Transactions on Signal Processing</i> , 2019, 67, 279-292.	5.3	30
9	Estimating the sample mean and standard deviation from order statistics and sample size in meta-analysis. <i>Statistical Methods in Medical Research</i> , 2021, 30, 2701-2719.	1.5	28
10	Invariant Adaptive Detection of Range-Spread Targets Under Structured Noise Covariance. <i>IEEE Transactions on Signal Processing</i> , 2017, 65, 3048-3061.	5.3	23
11	Adaptive Radar Detection in Gaussian Disturbance With Structured Covariance Matrix via Invariance Theory. <i>IEEE Transactions on Signal Processing</i> , 2019, 67, 5671-5685.	5.3	23
12	Globally optimal Kalman filtering with finite-time correlated noises. , 2010, , .		21
13	Optimal linear filtering design for discrete-time systems with cross-correlated stochastic parameter matrices and noises. <i>IET Control Theory and Applications</i> , 2017, 11, 3353-3362.	2.1	13
14	Estimation of Large Covariance Matrices by Shrinking to Structured Target in Normal and Non-Normal Distributions. <i>IEEE Access</i> , 2018, 6, 2158-2169.	4.2	13
15	An EL Approach for Similarity Parameter Selection in KA Covariance Matrix Estimation. <i>IEEE Signal Processing Letters</i> , 2019, 26, 1217-1221.	3.6	13
16	Joint Optimization of Dimension Assignment and Compression in Distributed Estimation Fusion. <i>IEEE Transactions on Signal Processing</i> , 2019, 67, 2453-2468.	5.3	10
17	A new approximate algorithm for the Chebyshev center. <i>Automatica</i> , 2013, 49, 2483-2488.	5.0	9
18	Invariance Theory for Adaptive Detection in Non-Gaussian Clutter. <i>IEEE Transactions on Signal Processing</i> , 2020, 68, 2045-2060.	5.3	9

#	ARTICLE	IF	CITATIONS
19	Performance Analysis of Communication Direction for Two-Sensor Tandem Binary Decision System. IEEE Transactions on Information Theory, 2009, 55, 4777-4785.	2.4	8
20	Minimum Variance in Biased Estimation With Singular Fisher Information Matrix. IEEE Transactions on Signal Processing, 2009, 57, 376-381.	5.3	8
21	State Estimation for Dynamic Systems With Unknown Process Inputs and Applications. IEEE Access, 2018, 6, 14857-14869.	4.2	8
22	Estimation of high dimensional covariance matrices by shrinkage algorithms. , 2017, , .		7
23	Improved Shrinkage Estimators of Covariance Matrices With Toeplitz-Structured Targets in Small Sample Scenarios. IEEE Access, 2019, 7, 116785-116798.	4.2	7
24	Comment on "Order-recursive factorization of the pseudoinverse of a covariance matrix" [with reply]. IEEE Transactions on Automatic Control, 2002, 47, 1952-1957.	5.7	6
25	The Linear Minimum Mean-Square Error Estimation with Constraints and Its Applications. , 2006, , .		5
26	A new noise-compensated estimation scheme for multichannel autoregressive signals from noisy observations. Journal of Supercomputing, 2011, 58, 34-49.	3.6	5
27	Variational Bayesian Two-Stage Kalman Filter for Systems with Unknown Inputs. Procedia Engineering, 2012, 29, 2265-2273.	1.2	5
28	Intrinsic Losses Based on Information Geometry and Their Applications. Entropy, 2017, 19, 405.	2.2	4
29	Direction of Arrival Estimation in Elliptical Models via Sparse Penalized Likelihood Approach. Sensors, 2019, 19, 2356.	3.8	4
30	Robust distributed fusion for system with randomly uncertain sensor estimation error cross-covariance. International Journal of Systems Science, 2013, 44, 1245-1252.	5.5	3
31	Estimation fusion for distributed multi-sensor systems with uncertain cross-correlations. International Journal of Systems Science, 2019, 50, 1378-1387.	5.5	3
32	Upper bounds for Rao distance on the manifold of multivariate elliptical distributions. Automatica, 2021, 129, 109604.	5.0	3
33	Optimal sensor data linear compression in multisensor estimation fusion. , 0, , .		2
34	The optimality of Kalman filtering fusion with cross-correlated sensor noises. , 2004, , .		2
35	A New Method of Data Compression in Multisensor Estimation Fusion. , 2006, , .		2
36	A Randomized Approach for Mid-range Aircraft Conflict Detection Based on the Unscented Particle Filter. , 2006, , .		2

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37	Some Progress in Sensor Network Decision Fusion. Journal of Systems Science and Complexity, 2007, 20, 293-303.	2.8	2
38	Archimedean copula estimation and model selection via l_1 -norm symmetric distribution. Insurance: Mathematics and Economics, 2010, 46, 406-414.	1.2	2
39	Support Vector Machine Method for Multivariate Density Estimation Based on Copulas. , 2011, , .		2
40	Robust decentralized estimation fusion in energy-constrained wireless sensor networks with correlated noises. , 2018, 78, 305-315.		2
41	Hypothesis testing for populations of networks. Communications in Statistics - Theory and Methods, 2023, 52, 3661-3684.	1.0	2
42	Signal Detection with Elliptically Distributed Observations in Sensor Arrays. , 2018, , .		2
43	An Iterative Nonlinear Filter Based on Posterior Distribution Approximation via Penalized Kullback-Leibler Divergence Minimization. IEEE Signal Processing Letters, 2022, 29, 1137-1141.	3.6	2
44	Combination Rules of Fuzzy Sets via Random Set Formulation. , 2006, , .		1
45	An Algorithm for Simultaneously Searching for Optimal Fusion Rule and Corresponding Local, Sensor Compression Rules. , 2006, , .		1
46	An Advanced Parameter Estimator of Multichannel Autoregressive Signals from Noisy Observations. , 2009, , .		1
47	A robust estimation fusion with unknown cross-covariance in distributed systems. , 2009, , .		1
48	A Minimax Unbiased Estimation Fusion in Distributed Multisensor Localization and Tracking. International Journal of Distributed Sensor Networks, 2012, 8, 294578.	2.2	1
49	An Information Geometric Viewpoint on the Detection of Range Distributed Targets. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	1
50	A Hypothesis Testing for Large Weighted Networks With Applications to Functional Neuroimaging Data. IEEE Access, 2020, 8, 191815-191825.	4.2	1
51	Correlation structure regularization via entropy loss function for high-dimension and low-sample-size data. Communications in Statistics Part B: Simulation and Computation, 2021, 50, 993-1008.	1.2	1
52	Sphericity and Identity Test for High-dimensional Covariance Matrix Using Random Matrix Theory. Acta Mathematicae Applicatae Sinica, 2021, 37, 214-231.	0.7	1
53	Multivariate Archimedean copula model selection via l_1 -norm symmetric distribution. , 2008, , .		0
54	The Quasi-Randomized Approach to Uncertain Convex Programs. , 2011, , .		0

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55	Minimax Robust Optimal Estimation Fusion for Distributed Multisensor Systems with a Relative Entropy Uncertainty. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-6.	1.1	0
56	Data association via logistic regression model for multiple target tracking problems. , 2017, , .		0
57	Novel Modeling and Filtering for Stochastic Switched Systems With Heterogeneous Behaviors. <i>IEEE Access</i> , 2020, 8, 149332-149344.	4.2	0
58	Intrinsic covariance matrix estimation for multivariate elliptical distributions. <i>Statistics and Probability Letters</i> , 2020, 162, 108774.	0.7	0
59	Correction to "Information Geometric Approach to Multisensor Estimation Fusion". <i>IEEE Transactions on Signal Processing</i> , 2021, 69, 4556-4556.	5.3	0
60	Double-factor Fading Memory Kalman Filter for Compensating Model Uncertainty. , 2021, , .		0
61	A Fault-Tolerant Detection Fusion Strategy for Distributed Multisensor Systems. <i>International Journal of Distributed Sensor Networks</i> , 2016, 12, 8613149.	2.2	0
62	Improved Shrinkage-to-Tapering Estimation for High-Dimensional Covariance Matrices. , 2018, , .		0
63	Latent Gaussian copula models for longitudinal binary data. <i>Journal of Multivariate Analysis</i> , 2022, 189, 104940.	1.0	0