

Shaohui Lv

List of Publications by Year in descending order

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all docs

126
docs citations

126
times ranked

1114
citing authors

#	ARTICLE	IF	CITATIONS
1	Generalized Correntropy for Robust Adaptive Filtering. IEEE Transactions on Signal Processing, 2016, 64, 3376-3387.	5.3	515
2	Convergence of a Fixed-Point Algorithm under Maximum Correntropy Criterion. IEEE Signal Processing Letters, 2015, 22, 1723-1727.	3.6	249
3	Kernel Risk-Sensitive Loss: Definition, Properties and Application to Robust Adaptive Filtering. IEEE Transactions on Signal Processing, 2017, 65, 2888-2901.	5.3	130
4	Robust Generalized Maximum Correntropy Criterion Algorithms for Active Noise Control. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 1282-1292.	5.8	55
5	Bias-Compensated Normalized Subband Adaptive Filter Algorithm. IEEE Signal Processing Letters, 2016, 23, 809-813.	3.6	52
6	Maximum Correntropy Kalman Filter With State Constraints. IEEE Access, 2017, 5, 25846-25853.	4.2	52
7	Identification of Nonlinear Dynamic System Using a Novel Recurrent Wavelet Neural Network Based on the Pipelined Architecture. IEEE Transactions on Industrial Electronics, 2014, 61, 4171-4182.	7.9	51
8	Robust Distributed Diffusion Recursive Least Squares Algorithms With Side Information for Adaptive Networks. IEEE Transactions on Signal Processing, 2019, 67, 1566-1581.	5.3	48
9	Low-Complexity Nonlinear Adaptive Filter Based on a Pipelined Bilinear Recurrent Neural Network. IEEE Transactions on Neural Networks, 2011, 22, 1494-1507.	4.2	45
10	Bias-compensated affine-projection-like algorithms with noisy input. Electronics Letters, 2016, 52, 712-714.	1.0	45
11	A New Normalized Subband Adaptive Filter Algorithm with Individual Variable Step Sizes. Circuits, Systems, and Signal Processing, 2016, 35, 1407-1418.	2.0	44
12	Affine-Projection-Like M-Estimate Adaptive Filter for Robust Filtering in Impulse Noise. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 2087-2091.	3.0	44
13	Robust Set-Membership Normalized Subband Adaptive Filtering Algorithms and Their Application to Acoustic Echo Cancellation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 2098-2111.	5.4	39
14	Variable Step-Size Widely Linear Complex-Valued Affine Projection Algorithm and Performance Analysis. IEEE Transactions on Signal Processing, 2020, 68, 5940-5953.	5.3	37
15	An Improved Variable Kernel Width for Maximum Correntropy Criterion Algorithm. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1339-1343.	3.0	36
16	Variable Step-Size Affine Projection Maximum Correntropy Criterion Adaptive Filter With Correntropy Induced Metric for Sparse System Identification. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2782-2786.	3.0	33
17	Time series prediction using kernel adaptive filter with least mean absolute third loss function. Nonlinear Dynamics, 2017, 90, 999-1013.	5.2	32
18	Adaptive Extended Pipelined Second-Order Volterra Filter for Nonlinear Active Noise Controller. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1394-1399.	3.2	31

#	ARTICLE	IF	CITATIONS
19	A Robust Total Least Mean M-Estimate Adaptive Algorithm for Impulsive Noise Suppression. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 800-804.	3.0	30
20	Performance Analysis of the Robust Diffusion Normalized Least Mean μ -Power Algorithm. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 2047-2051.	3.0	29
21	A new normalized subband adaptive filter under minimum error entropy criterion. Signal, Image and Video Processing, 2016, 10, 1097-1103.	2.7	28
22	Steady-State Performance Analysis of Nonlinear Spline Adaptive Filter Under Maximum Correntropy Criterion. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1154-1158.	3.0	28
23	Memory improved proportionate M μ -estimate affine projection algorithm. Electronics Letters, 2015, 51, 525-526.	1.0	26
24	Generalized Variable Step Size Continuous Mixed p -Norm Adaptive Filtering Algorithm. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1078-1082.	3.0	26
25	A Novel Normalized Sign Algorithm for System Identification Under Impulsive Noise Interference. Circuits, Systems, and Signal Processing, 2016, 35, 3244-3265.	2.0	25
26	Proportionate Minimum Error Entropy Algorithm for Sparse System Identification. Entropy, 2015, 17, 5995-6006.	2.2	24
27	Bias-Compensated Normalized Least-Mean Fourth Algorithm for Noisy Input. Circuits, Systems, and Signal Processing, 2017, 36, 3864-3873.	2.0	24
28	Sparseness-Controlled Proportionate Affine Projection Sign Algorithms for Acoustic Echo Cancellation. Circuits, Systems, and Signal Processing, 2015, 34, 3933-3948.	2.0	23
29	Diffusion Leaky Zero Attracting Least Mean Square Algorithm and Its Performance Analysis. IEEE Access, 2018, 6, 56911-56923.	4.2	23
30	Efficient DOA Estimation Method Using Bias-Compensated Adaptive Filtering. IEEE Transactions on Vehicular Technology, 2020, 69, 13087-13097.	6.3	23
31	Constrained Least Mean M-Estimation Adaptive Filtering Algorithm. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1507-1511.	3.0	23
32	Robust Adaptive Least Mean M-Estimate Algorithm for Censored Regression. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5165-5174.	9.3	22
33	Cubature Kalman Filter Under Minimum Error Entropy With Fiducial Points for INS/GPS Integration. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 450-465.	13.1	22
34	Incremental M - μ -estimate-based least-mean algorithm over distributed network. Electronics Letters, 2016, 52, 1270-1272.	1.0	21
35	Diffusion Signed LMS Algorithms and Their Performance Analyses for Cyclostationary White Gaussian Inputs. IEEE Access, 2017, 5, 18876-18894.	4.2	21
36	Improved Filtered-x Least Mean Kurtosis Algorithm for Active Noise Control. Circuits, Systems, and Signal Processing, 2017, 36, 1586-1603.	2.0	20

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37	Robust Variable Step-Size Reweighted Zero-Attracting Least Mean M-Estimate Algorithm for Sparse System Identification. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1149-1153.	3.0	20
38	Performance Analysis of Shrinkage Linear Complex-Valued LMS Algorithm. IEEE Signal Processing Letters, 2019, 26, 1202-1206.	3.6	19
39	Variable step-size distributed incremental normalised LMS algorithm. Electronics Letters, 2016, 52, 519-521.	1.0	18
40	Two Improved Normalized Subband Adaptive Filter Algorithms with Good Robustness Against Impulsive Interferences. Circuits, Systems, and Signal Processing, 2016, 35, 4607-4619.	2.0	18
41	Distributed Nonlinear System Identification in α -Stable Noise. IEEE Signal Processing Letters, 2018, 25, 979-983.	3.6	18
42	Diffusion total least-squares algorithm with multi-node feedback. Signal Processing, 2018, 153, 243-254.	3.7	17
43	Robust Maximum Correntropy Criterion Subband Adaptive Filter Algorithm for Impulsive Noise and Noisy Input. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 604-608.	3.0	17
44	Sparse Least Logarithmic Absolute Difference Algorithm with Correntropy-Induced Metric Penalty. Circuits, Systems, and Signal Processing, 2016, 35, 1077-1089.	2.0	15
45	Study on the thermal properties and insulation resistance of epoxy resin modified by hexagonal boron nitride. E-Polymers, 2021, 21, 681-690.	3.0	15
46	Robust Diffusion Affine Projection Algorithm With Variable Step-Size Over Distributed Networks. IEEE Access, 2019, 7, 150484-150491.	4.2	14
47	Effects of Outliers on the Maximum Correntropy Estimation: A Robustness Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4007-4012.	9.3	14
48	Memory proportionate APSA with individual activation factors for highly sparse system identification in impulsive noise environment. , 2014, , .		13
49	Robust Adaptive Volterra Filter Under Maximum Correntropy Criteria in Impulsive Environments. Circuits, Systems, and Signal Processing, 2017, 36, 4097-4117.	2.0	13
50	Geometric Algebra Correntropy: Definition and Application to Robust Adaptive Filtering. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1164-1168.	3.0	13
51	Diffusion affine projection maximum correntropy criterion algorithm and its performance analysis. Signal Processing, 2021, 181, 107918.	3.7	13
52	Robust Power System Forecasting-Aided State Estimation With Generalized Maximum Mixture Correntropy Unscented Kalman Filter. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	13
53	Nonlinear Adaptive Equalizer Using a Pipelined Decision Feedback Recurrent Neural Network in Communication Systems. IEEE Transactions on Communications, 2010, 58, 2193-2198.	7.8	12
54	Adaptive combination of affine projection sign subband adaptive filters for modeling of acoustic paths in impulsive noise environments. International Journal of Speech Technology, 2016, 19, 907-917.	2.2	12

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55	Robust Nonlinear Adaptive Filter Based on Kernel Risk-Sensitive Loss for Bilinear Forms. <i>Circuits, Systems, and Signal Processing</i> , 2019, 38, 1876-1888.	2.0	12
56	Robust Diffusion Huber-Based Normalized Least Mean Square Algorithm with Adjustable Thresholds. <i>Circuits, Systems, and Signal Processing</i> , 2020, 39, 2065-2093.	2.0	12
57	A novel convex combination of LMS adaptive filter for system identification. , 2014, , .		10
58	Novel combination schemes of individual weighting factors sign subband adaptive filter algorithm. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017, 31, 1193-1204.	4.1	9
59	Adaptive Combination of Proportionate NSAF with the Tap-Weights Feedback for Acoustic Echo Cancellation. <i>Wireless Personal Communications</i> , 2017, 92, 467-481.	2.7	9
60	Robust Adaptive Algorithm for Smart Antenna System With α -Stable Noise. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018, 65, 1783-1787.	3.0	9
61	Chebyshev Functional Link Artificial Neural Network Based on Correntropy Induced Metric. <i>Neural Processing Letters</i> , 2018, 47, 233-252.	3.2	9
62	A Robust M-Shaped Error Weighted Algorithms for Censored Regression. <i>Circuits, Systems, and Signal Processing</i> , 2020, 39, 324-343.	2.0	9
63	Analysis of Thermal Effects for Polymer-Housed Metal-Oxide Surge Arrester Under Multiple Strokes. <i>IEEE Transactions on Power Delivery</i> , 2022, 37, 3917-3927.	4.3	9
64	L0 norm constraint set membership affine projection algorithm with coefficient vector reuse. <i>Electronics Letters</i> , 2016, 52, 560-562.	1.0	8
65	L_1 -norm constrained normalized subband adaptive filter algorithm with variable norm-bound parameter and improved version. <i>Signal, Image and Video Processing</i> , 2017, 11, 865-871.	2.7	8
66	Bias-Compensated Minimum Error Entropy Algorithms With Polynomial Sparsity Penalty Constraints. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 3537-3541.	3.0	8
67	Robust Proportionate Normalized Least Mean M-Estimate Algorithm for Block-Sparse System Identification. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 234-238.	3.0	8
68	An improved variable step-size NLMS algorithm based on a Versiera function. , 2013, , .		7
69	Proportionate affine projection algorithm based on coefficient difference. , 2014, , .		7
70	A joint-optimization NSAF algorithm based on the first-order Markov model. <i>Signal, Image and Video Processing</i> , 2017, 11, 509-516.	2.7	7
71	Robust Diffusion Total Least Mean M-estimate Adaptive Filtering Algorithm and Its Performance Analysis. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 654-658.	3.0	7
72	Steady-state mean-square analysis of the deficient-length NLMS algorithm with reusing coefficient vector for white input. , 2016, , .		6

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73	Robust Set-Membership Affine Projection Algorithm with Coefficient Vector Reuse. Circuits, Systems, and Signal Processing, 2017, 36, 3843-3853.	2.0	6
74	Robust Novel Affine Projection Sign Subband Adaptive Filter Algorithm. Circuits, Systems, and Signal Processing, 2019, 38, 4141-4161.	2.0	6
75	Bias-Compensated Sign Subband Adaptive Filter Algorithm With Individual Weighting Factors for Input Noise. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1872-1876.	3.0	6
76	Novel adaptive VSS-NLMS algorithm for system identification. , 2013, , .		5
77	Adaptive combination proportionate filtering algorithm based on decorrelation for sparse system identification. , 2015, , .		5
78	Adaptive Combination of Proportionate NSAF with Individual Activation Factors. Circuits, Systems, and Signal Processing, 2017, 36, 1769-1780.	2.0	5
79	Diffusion Sign Subband Adaptive Filtering Algorithm with Individual Weighting Factors for Distributed Estimation. Circuits, Systems, and Signal Processing, 2017, 36, 2605-2621.	2.0	5
80	Affine Projection Algorithm for Censored Regression. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3602-3606.	3.0	5
81	Diffusion recursive total least square algorithm over adaptive networks and performance analysis. Signal Processing, 2021, 182, 107954.	3.7	5
82	Polynomial Constraint Generalized Maximum Correntropy Normalized Subband Adaptive Filter Algorithm. Circuits, Systems, and Signal Processing, 2022, 41, 2379-2396.	2.0	5
83	Bias-compensated affine-projection-like algorithm based on maximum correntropy criterion for robust filtering. Journal of the Franklin Institute, 2022, 359, 1274-1302.	3.4	5
84	Combination of two NLMP algorithms for nonlinear system identification in alpha-stable noise. , 2015, , .		4
85	Two Diffusion Proportionate Sign Subband Adaptive Filtering Algorithms. Circuits, Systems, and Signal Processing, 2017, 36, 4242-4259.	2.0	4
86	Set-membership improved normalised subband adaptive filter algorithms for acoustic echo cancellation. IET Signal Processing, 2018, 12, 42-50.	1.5	4
87	Widely linear least mean kurtosis-based frequency estimation of three-phase power system. IET Generation, Transmission and Distribution, 2020, 14, 1159-1167.	2.5	4
88	Phase angle error-based maximum correntropy adaptation for frequency estimation of three-phase power system. IET Science, Measurement and Technology, 2020, 14, 32-40.	1.6	4
89	Improved efficient proportionate affine projection algorithm based on $\ \cdot \ _0$ norm for sparse system identification. Journal of Engineering, 2014, 2014, 20-23.	1.1	3
90	A new proportionate normalized least mean square algorithm for high measurement noise. , 2015, , .		3

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91	Proportionate improved normalized subband adaptive filter algorithm for highly noisy sparse system. , 2015, , .		3
92	Variable Step Size Norm-Constrained Adaptive Filtering Algorithms. Circuits, Systems, and Signal Processing, 2017, 36, 4278-4291.	2.0	3
93	Robust Diffusion Recursive Least Squares Estimation with Side Information for Networked Agents. , 2018, , .		3
94	A Class of Diffusion Zero Attracting Stochastic Gradient Algorithms With Exponentiated Error Cost Functions. IEEE Access, 2020, 8, 4885-4894.	4.2	3
95	Generalized Variable Step-Size Diffusion Continuous Mixed p-Norm Algorithm. Circuits, Systems, and Signal Processing, 2021, 40, 3609-3620.	2.0	3
96	Augmented Complex Minimum Error Entropy for Adaptive Frequency Estimation of Power System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1972-1976.	3.0	3
97	Total Least Squares Normalized Subband Adaptive Filter Algorithm for Noisy Input. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1977-1981.	3.0	3
98	Steady-state analysis of the maximum correntropy Volterra filter with application to nonlinear channel equalization. , 2017, , .		2
99	Adaptive Combination of Distributed Incremental Affine Projection Algorithm with Different Projection Orders. Circuits, Systems, and Signal Processing, 2018, 37, 4319-4335.	2.0	2
100	Robust Matching Pursuit Extreme Learning Machines. Scientific Programming, 2018, 2018, 1-10.	0.7	2
101	An Improved Variable Regularization Parameter for Sign Subband Adaptive Filter. Circuits, Systems, and Signal Processing, 2019, 38, 1396-1411.	2.0	2
102	A Variable Step-Size Shrinkage Set-Membership Affine Projection Algorithm for Noisy Input. Circuits, Systems, and Signal Processing, 2019, 38, 455-469.	2.0	2
103	Magnitudeâ€cumâ€phase angle errorâ€based WL adaptation for frequency estimation of threeâ€phase power system. Electronics Letters, 2019, 55, 218-220.	1.0	2
104	Variable Kernel Width Algorithm of Generalized Maximum Correntropy Criteria for Censored Regression. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1877-1881.	3.0	2
105	Robust Multitask Diffusion Affine Projection Algorithm for Distributed Estimation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1892-1896.	3.0	2
106	Robust Time-Varying Parameter Proportionate Affine-Projection-Like Algorithm for Sparse System Identification. Circuits, Systems, and Signal Processing, 2021, 40, 3395-3416.	2.0	2
107	Robust Filtering of Affine-Projection-Like Maximum Correntropy Algorithm with Bias-Compensated. , 2021, , .		2
108	Bias-compensated subband adaptive filter algorithm based on maximum correntropy criterion. , 2021, , .		2

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109	Robust Multi-Task Diffusion Least Mean M-Estimate Adaptive Algorithm and Its Performance Analysis. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2386-2390.	3.0	2
110	Improved Robust Total Least Squares Adaptive Filter Algorithms Using Hyperbolic Secant Function. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3944-3948.	3.0	2
111	Sparsity-Aware Logarithmic Hyperbolic Cosine Normalized Subband Adaptive Filter Algorithm With Step-Size Optimization. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3964-3968.	3.0	2
112	Adaptive combination of FLANN filters and its application to nonlinear ANC systems. , 2013, , .		1
113	Adaptive combination of step sizes for distributed incremental affine projection algorithm. , 2017, , .		1
114	Steady-state behavior of the improved normalized subband adaptive filter algorithm and its improvement in under-modeling. Signal, Image and Video Processing, 2018, 12, 617-624.	2.7	1
115	A New Step-Size Control Algorithm Based on Noisy Data. , 2018, , .		1
116	Combined distributed incremental affine projection algorithm for acoustic echo cancellation. International Journal of Speech Technology, 2018, 21, 383-390.	2.2	1
117	Block-sparse non-uniform norm constraint normalised subband adaptive filter. IET Signal Processing, 2019, 13, 96-102.	1.5	1
118	Robust Diffusion Recursive Least M-estimate Algorithm against impulsive noise. , 2021, , .		1
119	Harmonic detection using an affine projection algorithm for active power filter. , 2015, , .		0
120	Reweighted $l_{\infty p}$ -norm constraint least exponentiated square algorithm for sparse system identification. , 2018, , .		0
121	Feature Analysis of Oscillating Wave Signal for Axial Displacement in Autotransformer. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	4.7	0
122	Augmented Complex Least Mean Square/Fourth Algorithm for Adaptive Frequency Estimation. , 2021, , .		0
123	Hyperbolic Secant Function Algorithms for Nonlinear Active Noise Control models of Kernel Mapping Types. , 2021, , .		0
124	Diffusion Affine Projection M-Estimate Algorithm for Multitask Networks. , 2021, , .		0
125	Censored regression system identification based on the least mean M-estimate algorithm. , 2021, , .		0
126	Robust Noise Indicator for Distributed In-Network System Identification with Different Noise Types for Each Node. Circuits, Systems, and Signal Processing, 0, , 1.	2.0	0