Badong Chen

List of Publications by Year
in descending order

303 papers	9,392 citations	47006 47 h-index	56724 83 g-index
304 all docs	304 docs citations	304 times ranked	4102 citing authors

#	Article	IF	Citations
1	Personalized gait trajectory generation based on anthropometric features using Random Forest. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 15597-15608.	4.9	18
2	ECCA: Efficient Correntropy-Based Clustering Algorithm With Orthogonal Concept Factorization. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7377-7390.	11.3	8
3	Aberrant temporal–spatial complexity of intrinsic fluctuations in major depression. European Archives of Psychiatry and Clinical Neuroscience, 2023, 273, 169-181.	3.2	2
4	Correntropy-Based Low-Rank Matrix Factorization With Constraint Graph Learning for Image Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10433-10446.	11.3	0
5	Mixture Correntropy-Based Kernel Extreme Learning Machines. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 811-825.	11.3	21
6	Augmented Nonlinear Least Squares Estimation With Applications to Localization. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 1042-1054.	4.7	3
7	Feature-Specific Denoising of Neural Activity for Natural Image Identification. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 629-638.	3.8	1
8	Multikernel Correntropy for Robust Learning. IEEE Transactions on Cybernetics, 2022, 52, 13500-13511.	9.5	14
9	An Adaptive Rapidly-Exploring Random Tree. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 283-294.	13.1	35
10	Restricted Minimum Error Entropy Criterion for Robust Classification. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6599-6612.	11.3	8
11	A Novel Robust Kalman Filtering Framework Based on Normal-Skew Mixture Distribution. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6789-6805.	9.3	16
12	Perturbation of Spike Timing Benefits Neural Network Performance on Similarity Search. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4361-4372.	11.3	3
13	Asymmetric Correntropy for Robust Adaptive Filtering. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1922-1926.	3.0	8
14	Dual semi-supervised convex nonnegative matrix factorization for data representation. Information Sciences, 2022, 585, 571-593.	6.9	19
15	Efficient correntropy-based multi-view clustering with anchor graph embedding. Neural Networks, 2022, 146, 290-302.	5.9	29
16	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
17	Complementary mean square deviation and stability analyses of the widely linear recursive least squares algorithm. , 2022, 122, 103357.		2
18	Region-aware network: Model human's Top-Down visual perception mechanism for crowd counting. Neural Networks, 2022, 148, 219-231.	5.9	11

#	ARTICLE	IF	CITATIONS
19	Recursive minimum kernel risk sensitive loss algorithm with adaptive gain factor for robust power system s estimation. Electric Power Systems Research, 2022, 206, 107788.	3.6	1
20	Square Root Unscented Kalman Filter With Modified Measurement for Dynamic State Estimation of Power Systems. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	4.7	9
21	Efficient and Robust MultiView Clustering With Anchor Graph Regularization. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 6200-6213.	8.3	21
22	Dual Extended Kalman Filter Under Minimum Error Entropy With Fiducial Points. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7588-7599.	9.3	4
23	Multi-kernel correntropy based extended Kalman filtering for state-of-charge estimation. ISA Transactions, 2022, 129, 271-283.	5.7	5
24	Robust Spike-Based Continual Meta-Learning Improved by Restricted Minimum Error Entropy Criterion. Entropy, 2022, 24, 455.	2.2	108
25	Generalized Maximum Correntropy Kalman Filter for Target Tracking in TianGong-2 Space Laboratory. Space: Science & Technology, 2022, 2022, .	2.5	4
26	Robust Sparsity-Aware RLS Algorithms With Jointly-Optimized Parameters Against Impulsive Noise. IEEE Signal Processing Letters, 2022, 29, 1037-1041.	3.6	13
27	Heterogeneous Ensemble-Based Spike-Driven Few-Shot Online Learning. Frontiers in Neuroscience, 2022, 16, .	2.8	72
28	An Efficient Distributed Kalman Filter Over Sensor Networks With Maximum Correntropy Criterion. IEEE Transactions on Signal and Information Processing Over Networks, 2022, 8, 433-444.	2.8	8
29	Robust stable iterated unscented Kalman filter based on maximum correntropy criterion. Automatica, 2022, 142, 110410.	5.0	19
30	General Robust Subband Adaptive Filtering: Algorithms and Applications. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 2128-2140.	5.8	7
31	Minimum Error Entropy Kalman Filter. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5819-5829.	9.3	97
32	Broad Learning System Based on Maximum Correntropy Criterion. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3083-3097.	11.3	39
33	An Encoding Framework With Brain Inner State for Natural Image Identification. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 453-464.	3.8	0
34	Robust High-Order Manifold Constrained Low Rank Representation for Subspace Clustering. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 533-545.	8.3	10
35	Point Set Registration With Similarity and Affine Transformations Based on Bidirectional KMPE Loss. IEEE Transactions on Cybernetics, 2021, 51, 1678-1689.	9.5	21
36	Prediction of Human Voluntary Torques Based on Collaborative Neuromusculoskeletal Modeling and Adaptive Learning. IEEE Transactions on Industrial Electronics, 2021, 68, 5217-5226.	7.9	13

#	Article	IF	Citations
37	Linear and Nonlinear Regression-Based Maximum Correntropy Extended Kalman Filtering. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3093-3102.	9.3	56
38	A survey on active noise control in the past decadeâ€"Part II: Nonlinear systems. Signal Processing, 2021, 181, 107929.	3.7	47
39	Robust semi-supervised nonnegative matrix factorization for image clustering. Pattern Recognition, 2021, 111, 107683.	8.1	68
40	Associations between MSE and SSIM as cost functions in linear decomposition with application to bit allocation for sparse coding. Neurocomputing, 2021, 422, 139-149.	5.9	17
41	2-D Learned Proximal Gradient Algorithm for Fast Sparse Matrix Recovery. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1492-1496.	3.0	3
42	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
43	Correntropy-Based Multiview Subspace Clustering. IEEE Transactions on Cybernetics, 2021, 51, 3298-3311.	9.5	15
44	Robust Pose Estimation Based on Maximum Correntropy Criterion. IFIP Advances in Information and Communication Technology, 2021, , 555-566.	0.7	1
45	Affine-Projection Lorentzian Algorithm for Vehicle Hands-Free Echo Cancellation. IEEE Transactions on Vehicular Technology, 2021, 70, 2561-2575.	6.3	34
46	Numerically stable minimum error entropy Kalman filter. Signal Processing, 2021, 181, 107914.	3.7	28
47	A survey on active noise control in the past decadeâ€"Part I: Linear systems. Signal Processing, 2021, 183, 108039.	3.7	70
48	Fixed-Point Minimum Error Entropy With Sparsity Penalty Constraints. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2997-3001.	3.0	2
49	Online robust echo state broad learning system. Neurocomputing, 2021, 464, 438-449.	5.9	9
50	Robust Motion Averaging under Maximum Correntropy Criterion. , 2021, , .		4
51	Partial Discharge Signal Denoising with Recursive Continuous S-Shaped Algorithm in Cables. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 1802-1809.	2.9	9
52	Joint UAVsâ€™ Load Balancing and UEsâ€™ Data Rate Fairness Optimization by Diffusion UAV Deployment Algorithm in Multi-UAV Networks. Entropy, 2021, 23, 1470.	2.2	4
53	Common Spatial Patterns Based on the Quantized Minimum Error Entropy Criterion. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4557-4568.	9.3	17
54	Robust rigid registration algorithm based on pointwise correspondence and correntropy. Pattern Recognition Letters, 2020, 132, 91-98.	4.2	62

#	ARTICLE	IF	CITATIONS
55	Regularized correntropy criterion based semi-supervised ELM. Neural Networks, 2020, 122, 117-129.	5.9	27
56	Training Cascade Compact CNN With Region-IoU for Accurate Pedestrian Detection. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3777-3787.	8.0	11
57	M-Estimate Based Normalized Subband Adaptive Filter Algorithm: Performance Analysis and Improvements. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 225-239.	5.8	41
58	Robust nonnegative matrix factorization with local coordinate constraint for image clustering. Engineering Applications of Artificial Intelligence, 2020, 88, 103354.	8.1	15
59	Probability Density Rank-Based Quantization for Convex Universal Learning Machines. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3100-3113.	11.3	9
60	Maximum Correntropy Criterion-Based Robust Semisupervised Concept Factorization for Image Representation. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3877-3891.	11.3	14
61	Robust Matrix Completion via Maximum Correntropy Criterion and Half-Quadratic Optimization. IEEE Transactions on Signal Processing, 2020, 68, 181-195.	5.3	45
62	Robust Sparse Channel Estimation Based on Maximum Mixture Correntropy Criterion. , 2020, , .		4
63	Diffusion adaptation framework for compressive sensing reconstruction. Signal Processing, 2020, 176, 107660.	3.7	1
64	A Novel Mixture Distributions-Based Robust Kalman Filter for Cooperative Localization. IEEE Sensors Journal, 2020, 20, 14994-15006.	4.7	21
65	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
66	Sparsity Constrained Recursive Generalized Maximum Correntropy Criterion With Variable Center Algorithm. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3517-3521.	3.0	8
67	Robust orthogonal nonnegative matrix tri-factorization for data representation. Knowledge-Based Systems, 2020, 201-202, 106054.	7.1	14
68	Augmented Space Linear Models. IEEE Transactions on Signal Processing, 2020, 68, 2724-2738.	5.3	4
69	Robust Power System State Estimation With Minimum Error Entropy Unscented Kalman Filter. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 8797-8808.	4.7	59
70	Fixed-Point Minimum Error Entropy With Fiducial Points. IEEE Transactions on Signal Processing, 2020, 68, 3824-3833.	5.3	26
71	A Separable Maximum Correntropy Adaptive Algorithm. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2797-2801.	3.0	42
72	Learning Proximal Operator Methods for Nonconvex Sparse Recovery with Theoretical Guarantee. IEEE Transactions on Signal Processing, 2020, 68, 5244-5259.	5.3	12

#	ARTICLE	IF	CITATIONS
73	A New Robust Kalman Filter With Adaptive Estimate of Time-Varying Measurement Bias. IEEE Signal Processing Letters, 2020, 27, 700-704.	3.6	25
74	Adaptive filtering with quantized minimum error entropy criterion. Signal Processing, 2020, 172, 107534.	3.7	23
75	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
76	EMG-Based Gestures Classification Using a Mixed-Signal Neuromorphic Processing System. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2020, 10, 578-587.	3.6	24
77	Robust Fisher Linear Discriminant Analysis with Generalized Correntropic Loss Function. , 2020, , .		3
78	A Novel Brain Decoding Method: A Correlation Network Framework for Revealing Brain Connections. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 95-106.	3.8	11
79	Robust High-Order Manifold Constrained Sparse Principal Component Analysis for Image Representation. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 1946-1961.	8.3	10
80	Maximum Total Correntropy Diffusion Adaptation Over Networks With Noisy Links. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 307-311.	3.0	31
81	Unscented Kalman Filter With Generalized Correntropy Loss for Robust Power System Forecasting-Aided State Estimation. IEEE Transactions on Industrial Informatics, 2019, 15, 6091-6100.	11.3	57
82	Maximum Correntropy Criterion With Variable Center. IEEE Signal Processing Letters, 2019, 26, 1212-1216.	3.6	71
83	Kernel Kalman Filtering With Conditional Embedding and Maximum Correntropy Criterion. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4265-4277.	5.4	41
84	Dual Graph Regularized Sparse Nonnegative Matrix Factorization for Data Representation. , 2019, , .		1
85	Weakly Convex Regularized Robust Sparse Recovery Methods With Theoretical Guarantees. IEEE Transactions on Signal Processing, 2019, 67, 5046-5061.	5.3	19
86	Blocked Maximum Correntropy Criterion Algorithm for Cluster-Sparse System Identifications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1915-1919.	3.0	84
87	Functional Source Separation for EEG-fMRI Fusion: Application to Steady-State Visual Evoked Potentials. Frontiers in Neurorobotics, 2019, 13, 24.	2.8	11
88	Exploring Brain Effective Connectivity in Visual Perception Using a Hierarchical Correlation Network. IFIP Advances in Information and Communication Technology, 2019, , 223-235.	0.7	3
89	An Enhanced Hierarchical Extreme Learning Machine with Random Sparse Matrix Based Autoencoder. , 2019, , .		8
90	RGB-D point cloud registration via infrared and color camera. Multimedia Tools and Applications, 2019, 78, 33223-33246.	3.9	8

#	Article	IF	Citations
91	Robust Normalized Least Mean Absolute Third Algorithms. IEEE Access, 2019, 7, 10318-10330.	4.2	21
92	A Novel Prognostic Approach for RUL Estimation With Evolving Joint Prediction of Continuous and Discrete States. IEEE Transactions on Industrial Informatics, 2019, 15, 5089-5098.	11.3	7
93	Surface EMG Decoding for Hand Gestures Based on Spectrogram and CNN-LSTM. , 2019, , .		25
94	Maximum correntropy adaptation approach for robust compressive sensing reconstruction. Information Sciences, 2019, 480, 381-402.	6.9	19
95	Linear Kalman Filtering Algorithm With Noisy Control Input Variable. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1282-1286.	3.0	17
96	Extreme Learning Machine With Affine Transformation Inputs in an Activation Function. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2093-2107.	11.3	47
97	Quantized Minimum Error Entropy Criterion. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1370-1380.	11.3	34
98	Granger Causality Analysis Based on Quantized Minimum Error Entropy Criterion. IEEE Signal Processing Letters, 2019, 26, 347-351.	3.6	14
99	Maximum Correntropy Criterion-Based Sparse Subspace Learning for Unsupervised Feature Selection. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 404-417.	8.3	29
100	Brain-Inspired Cognitive Model With Attention for Self-Driving Cars. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 13-25.	3.8	72
101	A Normalized Mutual Information Estimator Compensating Variance Fluctuations for Motion Detection. Proceedings in Adaptation, Learning and Optimization, 2019, , 46-57.	1.6	0
102	Biasâ€compensated normalised least mean square with variable step size algorithm for threeâ€phase power system frequency estimation. IET Science, Measurement and Technology, 2019, 13, 1040-1047.	1.6	5
103	Setâ€membership improved normalised subband adaptive filter algorithms for acoustic echo cancellation. IET Signal Processing, 2018, 12, 42-50.	1.5	4
104	Mixture correntropy for robust learning. Pattern Recognition, 2018, 79, 318-327.	8.1	120
105	Proportionate NLMS With Unbiasedness Criterion for Sparse System Identification in the Presence of Input and Output Noises. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1808-1812.	3.0	20
106	Sparse Normalized Least Mean Absolute Deviation Algorithm Based on Unbiasedness Criterion for System Identification With Noisy Input. IEEE Access, 2018, 6, 14379-14388.	4.2	7
107	Convergence analysis of nonlinear Kalman filters with novel innovation-based method. Neurocomputing, 2018, 289, 188-194.	5.9	18
108	Cross multivariate correlation coefficients as screening tool for analysis of concurrent EEGâ€fMRI recordings. Journal of Neuroscience Research, 2018, 96, 1159-1175.	2.9	6

#	Article	IF	Citations
109	Exploiting the categorical reliability difference for binary classification. Journal of the Franklin Institute, 2018, 355, 2022-2040.	3.4	2
110	Fairness constrained diffusion adaptive power control for dense small cell network. Telecommunication Systems, 2018, 68, 373-384.	2.5	1
111	Kernel Online Learning Algorithm With Scale Adaptation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1788-1792.	3.0	7
112	Sparse Recursive Least Mean p-Power Extreme Learning Machine for Regression. IEEE Access, 2018, 6, 16022-16034.	4.2	6
113	Online Recorded Data-Based Composite Neural Control of Strict-Feedback Systems With Application to Hypersonic Flight Dynamics. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3839-3849.	11.3	89
114	Robust Constrained Adaptive Filtering Under Minimum Error Entropy Criterion. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1119-1123.	3.0	38
115	Insights Into the Robustness of Minimum Error Entropy Estimation. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 731-737.	11.3	51
116	Kernel recursive generalized mixed norm algorithm. Journal of the Franklin Institute, 2018, 355, 1596-1613.	3.4	19
117	An intelligent propagation distance estimation algorithm based on fundamental frequency energy distribution for periodic vibration localization. Journal of the Franklin Institute, 2018, 355, 1539-1558.	3.4	12
118	Correntropy-Based Evolving Fuzzy Neural System. IEEE Transactions on Fuzzy Systems, 2018, 26, 1324-1338.	9.8	51
119	Robust Adaptive Algorithm for Smart Antenna System With <inline-formula> <tex-math notation="LaTeX">$alpha$ </tex-math> </inline-formula>-Stable Noise. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1783-1787.	3.0	9
120	Sparse Support Matrix Machine. Pattern Recognition, 2018, 76, 715-726.	8.1	59
121	Bias compensated zero attracting normalized least mean square adaptive filter and its performance analysis. Signal Processing, 2018, 143, 94-105.	3.7	23
122	Reconstruction of Visual Image From Functional Magnetic Resonance Imaging Using Spiking Neuron Model. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 624-636.	3.8	4
123	Robust proportionate adaptive filter based on maximum correntropy criterion for sparse system identification in impulsive noise environments. Signal, Image and Video Processing, 2018, 12, 117-124.	2.7	28
124	Chebyshev Functional Link Artificial Neural Network Based on Correntropy Induced Metric. Neural Processing Letters, 2018, 47, 233-252.	3.2	9
125	CAUSALITY ANALYSIS BASED ON MATRIX TRANSFER ENTROPY. , 2018, , .		1
126	An Incremental Self-Learning Algorithm with Robustness against Impulsive Noise. , 2018, , .		1

#	Article	IF	Citations
127	Precise Point Set Registration with Color Assisted and Correntropy for 3D Reconstruction. , 2018, , .		2
128	Building Correspondence Based on Matching Triangles for Partial Registration. , 2018, , .		0
129	Random Fourier Features Based Extended Kernel Recursive Least Squares with Application to fMRI Decoding. , 2018, , .		1
130	Robust sparse nonnegative matrix factorization based on maximum correntropy criterion. , 2018, , .		6
131	Correntropy Based Divided Difference Filtering for the Positioning of Ships. Sensors, 2018, 18, 4080.	3.8	2
132	Generalized Maximum Correntropy-Based Echo State Network for Robust Nonlinear System Identification. , 2018, , .		4
133	A Unified Framework of Random Feature KLMS Algorithms and Convergence Analysis. , 2018, , .		3
134	Kernel Adaptive Hammerstein Filter. , 2018, , .		3
135	Deep Weighted Extreme Learning Machine. Cognitive Computation, 2018, 10, 890-907.	5.2	31
136	Robust Locality Preserving Projection Based on Kernel Risk-Sensitive Loss. , 2018, , .		3
137	Augmented Space Linear Model. , 2018, , .		1
138	Incremental Adaptive EEG Classification of Motor Imagery-based BCI. , 2018, , .		5
139	Proportionate adaptive filtering algorithms based on mixed square/fourth error criterion with unbiasedness criterion for sparse system identification. International Journal of Adaptive Control and Signal Processing, 2018, 32, 1644-1654.	4.1	7
140	Robust Matching Pursuit Extreme Learning Machines. Scientific Programming, 2018, 2018, 1-10.	0.7	2
141	Random Fourier Filters Under Maximum Correntropy Criterion. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 3390-3403.	5.4	48
142	Correntropy based graph regularized concept factorization for clustering. Neurocomputing, 2018, 316, 34-48.	5.9	27
143	Bias-compensated normalized maximum correntropy criterion algorithm for system identification with noisy input. Signal Processing, 2018, 152, 160-164.	3.7	27
144	Maximum Correntropy Criterionâ€"Based Kernel Adaptive Filters. , 2018, , 105-126.		4

#	Article	IF	Citations
145	Frequent Itemsets Mining With Differential Privacy Over Large-Scale Data. IEEE Access, 2018, 6, 28877-28889.	4.2	12
146	Robust Learning With Kernel Mean <inline-formula> <tex-math notation="LaTeX">p </tex-math> </inline-formula>-Power Error Loss. IEEE Transactions on Cybernetics, 2018, 48, 2101-2113.	9.5	51
147	Density-Dependent Quantized Least Squares Support Vector Machine for Large Data Sets. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 94-106.	11.3	45
148	Disturbance Observer Based Composite Learning Fuzzy Control of Nonlinear Systems with Unknown Dead Zone. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1854-1862.	9.3	150
149	Maximum correntropy Kalman filter. Automatica, 2017, 76, 70-77.	5.0	533
150	Robust kernel adaptive filters based on mean p-power error for noisy chaotic time series prediction. Engineering Applications of Artificial Intelligence, 2017, 58, 101-110.	8.1	53
151	General Mixed-Norm-Based Diffusion Adaptive Filtering Algorithm for Distributed Estimation Over Network. IEEE Access, 2017, 5, 1090-1102.	4.2	23
152	Kernel Risk-Sensitive Loss: Definition, Properties and Application to Robust Adaptive Filtering. IEEE Transactions on Signal Processing, 2017, 65, 2888-2901.	5.3	130
153	Improved affine projection subband adaptive filter for high background noise environments. Signal Processing, 2017, 137, 356-362.	3.7	9
154	Exemplar-Guided Similarity Learning on Polynomial Kernel Feature Map for Person Re-identification. International Journal of Computer Vision, 2017, 123, 392-414.	15.6	13
155	Recursive least mean<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si85.gif" display="inline" overflow="scroll"><mml:mi>p</mml:mi></mml:math>-power Extreme Learning Machine. Neural Networks, 2017, 91, 22-33.	5.9	11
156	Robust Adaptive Volterra Filter Under Maximum Correntropy Criteria in Impulsive Environments. Circuits, Systems, and Signal Processing, 2017, 36, 4097-4117.	2.0	13
157	Constrained maximum correntropy adaptive filtering. Signal Processing, 2017, 140, 116-126.	3.7	62
158	Kernel least mean square based on conjugate gradient. , 2017, , .		4
159	Robust echo state networks based on correntropy induced loss function. Neurocomputing, 2017, 267, 295-303.	5.9	25
160	Maximum total correntropy adaptive filtering against heavy-tailed noises. Signal Processing, 2017, 141, 84-95.	3.7	52
161	A correntropy inspired variable step-size sign algorithm against impulsive noises. Signal Processing, 2017, 141, 168-175.	3.7	20
162	Convergence performance analysis of an adaptive kernel width MCC algorithm. AEU - International Journal of Electronics and Communications, 2017, 76, 71-76.	2.9	27

#	Article	IF	Citations
163	Maximum correntropy unscented filter. International Journal of Systems Science, 2017, 48, 1607-1615.	5.5	96
164	State space least p -power filter. , 2017, 63, 1-9.		4
165	Recursive Generalized Maximum Correntropy Criterion Algorithm with Sparse Penalty Constraints for System Identification. Asian Journal of Control, 2017, 19, 1164-1172.	3.0	18
166	Time series prediction using kernel adaptive filter with least mean absolute third loss function. Nonlinear Dynamics, 2017, 90, 999-1013.	5.2	32
167	Correntropy Maximization via ADMM: Application to Robust Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4944-4955.	6.3	22
168	State space maximum correntropy filter. Signal Processing, 2017, 130, 152-158.	3.7	29
169	Maximum Correntropy Kalman Filter With State Constraints. IEEE Access, 2017, 5, 25846-25853.	4.2	52
170	Combination of bias-compensated normalized LMS algorithm for system identification with noisy input. , 2017, , .		0
171	Robust 2D point set matching with Kernel mean P-power error loss. , 2017, , .		4
172	Correntropy induced metric based common spatial patterns. , 2017, , .		6
173	Building Up a Robust Risk Mathematical Platform to Predict Colorectal Cancer. Complexity, 2017, 2017, 1-14.	1.6	26
174	Steady-state mean square performance of a sparsified kernel least mean square algorithm. , 2017, , .		1
175	Random fourier feature kernel recursive least squares. , 2017, , .		17
176	Visual working memory affects the perception of ambiguous SFM (structure-from-motion) by enhance internally directed attention. Journal of Vision, 2017, 17, 1217.	0.3	0
177	Correntropy induced joint power and admission control algorithm for dense small cell network. IET Communications, 2016, 10, 2154-2161.	2.2	12
178	Insights into Entropy as a Measure of Multivariate Variability. Entropy, 2016, 18, 196.	2.2	26
179	Constrained least mean p-power error algorithm. , 2016, , .		4
180	Self-organizing kernel adaptive filtering. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.7	14

#	Article	IF	Citations
181	Kernel adaptive filtering under generalized Maximum Correntropy Criterion. , 2016, , .		29
182	Adaptive convex combination filter under minimum error entropy criterion. , 2016, , .		2
183	Developing a robust colorectal cancer (CRC) risk predictive model with the big genetic and environment related CRC data. , 2016, , .		0
184	Multiple adaptive kernel size KLMS for Beijing PM2.5 prediction. , 2016, , .		6
185	ADMM for maximum correntropy criterion. , 2016, , .		0
186	Kernel adaptive filtering subject to equality function constraints. , 2016, , .		0
187	A New Normalized Subband Adaptive Filter Algorithm with Individual Variable Step Sizes. Circuits, Systems, and Signal Processing, 2016, 35, 1407-1418.	2.0	44
188	Collaborative adaptive Volterra filters for nonlinear system identification in α-stable noise environments. Journal of the Franklin Institute, 2016, 353, 4500-4525.	3.4	24
189	Sparse normalized subband adaptive filter algorithm with l0-norm constraint. Journal of the Franklin Institute, 2016, 353, 5121-5136.	3.4	27
190	Robust digital non-linear self-interference cancellation in full duplex radios with maximum correntropy criterion. China Communications, 2016, 13, 53-59.	3.2	15
191	A parameter-free Cauchy-Schwartz information measure for independent component analysis. , 2016, , .		1
192	Diffusion maximum correntropy criterion algorithms for robust distributed estimation. , 2016, 58, 10-19.		100
193	Robust diffusion recursive adaptive filtering algorithm based on l$_p$-norm. , 2016, , .		2
194	Extended Kalman filter under maximum correntropy criterion. , 2016, , .		48
195	Density-dependent quantized kernel least mean square. , 2016, , .		2
196	A dictionary based survival error compensation for robust adaptive filtering. , 2016, , .		0
197	Least mean p-power extreme learning machine for obstacle avoidance of a mobile robot. , 2016, , .		1
198	A reconfigurable parallel FPGA accelerator for the adapt-then-combine diffusion LMS algorithm. , 2016, , .		0

#	Article	IF	Citations
199	A Novel Normalized Sign Algorithm for System Identification Under Impulsive Noise Interference. Circuits, Systems, and Signal Processing, 2016, 35, 3244-3265.	2.0	25
200	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
201	Convex regularized recursive maximum correntropy algorithm. Signal Processing, 2016, 129, 12-16.	3.7	24
202	Robust MIMO radar target localization via nonconvex optimization. Signal Processing, 2016, 122, 33-38.	3.7	61
203	Kernel least mean square with adaptive kernel size. Neurocomputing, 2016, 191, 95-106.	5.9	83
204	Generalized Correntropy for Robust<?Pub _newline ?>Adaptive Filtering. IEEE Transactions on Signal Processing, 2016, 64, 3376-3387.	5.3	515
205	Improved-Variable-Forgetting-Factor Recursive Algorithm Based on the Logarithmic Cost for Volterra System Identification. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 588-592.	3.0	50
206	Improved functional link artificial neural network via convex combination for nonlinear active noise control. Applied Soft Computing Journal, 2016, 42, 351-359.	7.2	48
207	Low Complexity Distributed Max-Throughput Algorithm for User Association in Heterogeneous Network. Wireless Personal Communications, 2016, 87, 1147-1156.	2.7	8
208	Sparse Least Logarithmic Absolute Difference Algorithm with Correntropy-Induced Metric Penalty. Circuits, Systems, and Signal Processing, 2016, 35, 1077-1089.	2.0	15
209	Steady-state mean-square-deviation analysis of the sign subband adaptive filter algorithm. Signal Processing, 2016, 120, 36-42.	3.7	45
210	A robust band-dependent variable step size NSAF algorithm against impulsive noises. Signal Processing, 2016, 119, 203-208.	3.7	26
211	Efficient and robust deep learning with Correntropy-induced loss function. Neural Computing and Applications, 2016, 27, 1019-1031.	5.6	67
212	Sparse least mean p-power algorithms for channel estimation in the presence of impulsive noise. Signal, Image and Video Processing, 2016, 10, 503-510.	2.7	61
213	Robust Adaptive Inverse Control Based on Maximum Correntropy Criterion. IFAC-PapersOnLine, 2015, 48, 285-290.	0.9	5
214	Proportionate Minimum Error Entropy Algorithm for Sparse System Identification. Entropy, 2015, 17, 5995-6006.	2.2	24
215	Convergence of a Fixed-Point Minimum Error Entropy Algorithm. Entropy, 2015, 17, 5549-5560.	2.2	29
216	Robust Hammerstein Adaptive Filtering under Maximum Correntropy Criterion. Entropy, 2015, 17, 7149-7166.	2.2	70

#	Article	IF	Citations
217	Kernel recursive maximum correntropy. Signal Processing, 2015, 117, 11-16.	3.7	130
218	A dictionary updating scheme incorporating words elimination into Quantized Kernel Least-Mean-Squares for changing environments. , 2015, , .		1
219	Illumination Robust Color Naming via Label Propagation. , 2015, , .		9
220	A switch kernel width method of correntropy for channel estimation. , 2015, , .		20
221	A reconfigurable parallel FPGA accelerator for the kernel affine projection algorithm. , 2015, , .		1
222	Exponential C-Loss for data fitting. , 2015, , .		0
223	Nonlinear spline adaptive filtering under maximum correntropy criterion. , 2015, , .		4
224	Sequential extreme learning machine incorporating survival error potential. Neurocomputing, 2015, 155, 194-204.	5.9	7
225	Smoothed least mean p-power error criterion for adaptive filtering. , 2015, 40, 154-163.		27
226	Theoretical Methods in Machine Learning. , 2015, , 523-543.		2
227	Convergence of a Fixed-Point Algorithm under Maximum Correntropy Criterion. IEEE Signal Processing Letters, 2015, 22, 1723-1727.	3.6	249
228	Minimum Error Entropy Algorithms with Sparsity Penalty Constraints. Entropy, 2015, 17, 3419-3437.	2.2	20
229	A 128-way FPGA platform for the acceleration of KLMS algorithm. , 2015, , .		0
230	Universal Approximation with Convex Optimization: Gimmick or Reality? [Discussion Forum]. IEEE Computational Intelligence Magazine, 2015, 10, 68-77.	3.2	48
231	Maximum correntropy criterion based sparse adaptive filtering algorithms for robust channel estimation under non-Gaussian environments. Journal of the Franklin Institute, 2015, 352, 2708-2727.	3.4	188
232	Sparseness-Controlled Proportionate Affine Projection Sign Algorithms for Acoustic Echo Cancellation. Circuits, Systems, and Signal Processing, 2015, 34, 3933-3948.	2.0	23
233	Sparsity aware normalized least mean p-power algorithms with correntropy induced metric penalty. , 2015, , .		6
234	Robust adaptive sparse channel estimation in the presence of impulsive noises. , 2015, , .		10

#	ARTICLE	IF	CITATIONS
235	Quantised kernel least mean square with desired signal smoothing. Electronics Letters, 2015, 51, 1457-1459.	1.0	14
236	Sparsity aware minimum error entropy algorithms. , 2015, , .		3
237	On initial convergence behavior of the kernel least mean square algorithm. , 2015, , .		0
238	Cooperative spectrum sensing in cognitive radio networks with Kernel Least Mean Square. , 2015, , .		7
239	Adaptive recursive algorithm with logarithmic transformation for nonlinear system identification in α-stable noise. , 2015, 46, 120-132.		15
240	An adaptive kernel width update method of correntropy for channel estimation. , 2015, , .		22
241	Risk-sensitive loss in kernel space for robust adaptive filtering. , 2015, , .		3
242	A variable step-size adaptive algorithm under maximum correntropy criterion. , 2015, , .		10
243	A reconfigurable parallel acceleration platform for evaluation of permutation entropy. , 2014, 2014, 5735-8.		1
244	An Extended Result on the Optimal Estimation Under the Minimum Error Entropy Criterion. Entropy, 2014, 16, 2223-2233.	2.2	1
245	A Note on the W-S Lower Bound of the MEE Estimation. Entropy, 2014, 16, 814-824.	2.2	0
246	Empirical survival error potential weighted least squares for binary pattern classification. , 2014, , .		1
247	Kernel robust mixed-norm adaptive filtering. , 2014, , .		11
248	Sparse kernel recursive least squares using L<inf>1</inf> regularization and a fixed-point sub-iteration. , 2014, , .		6
249	Hybrid affine projection algorithm. , 2014, , .		1
250	Learning Nonlinear Generative Models of Time Series With a Kalman Filter in RKHS. IEEE Transactions on Signal Processing, 2014, 62, 141-155.	5.3	36
251	Information Based Learning. Academic Press Library in Signal Processing, 2014, , 1379-1414.	0.8	0
252	Steady-State Mean-Square Error Analysis for Adaptive Filtering under the Maximum Correntropy Criterion. IEEE Signal Processing Letters, 2014, 21, 880-884.	3.6	354

#	Article	IF	Citations
253	Trimmed affine projection algorithms. , 2014, , .		5
254	Hardware implementation of KLMS algorithm using FPGA. , 2014, , .		9
255	Feature selection based on survival Cauchy-Schwartz mutual information. , 2014, , .		4
256	Vector quantization using survival Cauchy-Schwartz divergence. , 2014, , .		0
257	Nonlinear Adaptive Filtering in Kernel Spaces. , 2014, , 715-734.		2
258	Quantized Kernel Recursive Least Squares Algorithm. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1484-1491.	11.3	170
259	Fixed budget quantized kernel least-mean-square algorithm. Signal Processing, 2013, 93, 2759-2770.	3.7	67
260	Adaptive Inverse Control of Neural Spatiotemporal Spike Patterns With a Reproducing Kernel Hilbert Space (RKHS) Framework. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2013, 21, 532-543.	4.9	23
261	Kernel minimum error entropy algorithm. Neurocomputing, 2013, 121, 160-169.	5.9	99
262	Kernel adaptive filtering with confidence intervals. , 2013, , .		1
263	Survival kernel with application to kernel adaptive filtering. , 2013, , .		7
264	System Identification Under Information Divergence Criteria. , 2013, , 167-204.		8
265	System Identification Based on Mutual Information Criteria. , 2013, , 205-238.		3
266	Weighted-permutation entropy: A complexity measure for time series incorporating amplitude information. Physical Review E, 2013, 87, 022911.	2.1	331
267	On the Smoothed Minimum Error Entropy Criterion. Entropy, 2012, 14, 2311-2323.	2.2	19
268	STOCHASTIC INFORMATION GRADIENT ALGORITHM WITH GENERALIZED GAUSSIAN DISTRIBUTION MODEL. Journal of Circuits, Systems and Computers, 2012, 21, 1250006.	1.5	15
269	Some Further Results on the Minimum Error Entropy Estimation. Entropy, 2012, 14, 966-977.	2.2	20
270	Survival Information Potential: A New Criterion for Adaptive System Training. IEEE Transactions on Signal Processing, 2012, 60, 1184-1194.	5.3	69

#	ARTICLE	IF	CITATIONS
271	Maximum Correntropy Estimation Is a Smoothed MAP Estimation. IEEE Signal Processing Letters, 2012, 19, 491-494.	3.6	256
272	An adaptive kernel width update for correntropy. , 2012, , .		19
273	Mean square convergence analysis for kernel least mean square algorithm. Signal Processing, 2012, 92, 2624-2632.	3.7	41
274	A novel extended kernel recursive least squares algorithm. Neural Networks, 2012, 32, 349-357.	5.9	23
275	Online efficient learning with quantized KLMS and L<inf>1</inf> regularization. , 2012, , .		12
276	Quantized Kernel Least Mean Square Algorithm. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 22-32.	11.3	356
277	Kernel adaptive filtering with maximum correntropy criterion. , 2011, , .		135
278	Optimization of Voice Coil Motor to Enhance Dynamic Response Based on an Improved Magnetic Equivalent Circuit Model. IEEE Transactions on Magnetics, 2011, 47, 2247-2251.	2.1	50
279	A variable step-size SIG algorithm for realizing the optimal adaptive FIR filter. International Journal of Control, Automation and Systems, 2011, 9, 1049-1055.	2.7	7
280	Î"-Entropy: Definition, properties and applications in system identification with quantized data. Information Sciences, 2011, 181, 1384-1402.	6.9	14
281	Extended Kalman filter using a kernel recursive least squares observer. , 2011, , .		12
282	On optimal estimations with minimum error entropy criterion. Journal of the Franklin Institute, 2010, 347, 545-558.	3.4	14
283	Analysis and Optimization of a New 2-D Magnet Array for Planar Motor. IEEE Transactions on Magnetics, 2010, 46, 1167-1171.	2.1	49
284	A new interpretation on the MMSE as a robust MEE criterion. Signal Processing, 2010, 90, 3313-3316.	3.7	7
285	Mean-Square Convergence Analysis of ADALINE Training With Minimum Error Entropy Criterion. IEEE Transactions on Neural Networks, 2010, 21, 1168-1179.	4.2	71
286	Parameter identifiability with Kullbackâ€"Leibler information divergence criterion. International Journal of Adaptive Control and Signal Processing, 2009, 23, 940-960.	4.1	4
287	Adaptive filtering under minimum information divergence criterion. International Journal of Control, Automation and Systems, 2009, 7, 157-164.	2.7	8
288	Measuring observability by generalized information theoretic quantities. Journal of Control Theory and Applications, 2008, 6, 233-238.	0.8	1

#	ARTICLE	IF	CITATIONS
289	Intelligent scheduling controller design for networked control systems based on estimation of distribution algorithm. Tsinghua Science and Technology, 2008, 13, 71-77.	6.1	7
290	Adaptive filtering under maximum mutual information criterion. Neurocomputing, 2008, 71, 3680-3684.	5.9	8
291	Adaptive filtering for desired error distribution under minimum information divergence criterion. , 2008, , .		0
292	Information evolutions in the linear stochastic control systems. , 2008, , .		3
293	Information Theoretical Approach to Identification of Hybrid Systems. Lecture Notes in Computer Science, 2008, , 650-653.	1.3	1
294	Stabilization of Networked Control Systems with Time Delay and Packet Dropout Â¿ Part II. , 2007, , .		11
295	Stabilization of Networked Control Systems with Time Delay and Packet Dropout Â¿ Part I. , 2007, , .		9
296	Measure observability by the generalized informational correlation. , 2007, , .		3
297	Stochastic Gradient Algorithm Under (h,Ï†)-Entropy Criterion. Circuits, Systems, and Signal Processing, 2007, 26, 941-960.	2.0	45
298	The Application of Minimum Entropy H Mixed Sensitivity to Flight Control. , 2006, , .		1
299	A Joint Stochastic Gradient Algorithm and Its Application to System Identification with RBF Networks. , 2006, , .		5
300	System Identification of UAV Based on EWC-LMS. , 2006, , .		1
301	Measuring the Couplings of MIMO Dynamic Systems: An Information-Theoretic Approach. , 2006, , .		0
302	Adaptive Inverse Control under (h,ø)-Entropy Criterion. , 2006, , .		0
303	Modeling and Control of Networked Control Systems. , 2006, , .		8