Tian Shuang Qiu

List of Publications by Year
in descending order

72 papers	1,037 citations	516710 16 h-index	501196 28 g-index
73 all docs	73 docs citations	73 times ranked	852 citing authors

#	Article	IF	Citations
1	A Simple Method of Radial Distortion Correction with Centre ofÂDistortion Estimation. Journal of Mathematical Imaging and Vision, 2009, 35, 165-172.	1.3	116
2	A novel correntropy based DOA estimation algorithm in impulsive noise environments. Signal Processing, 2014, 104, 346-357.	3.7	57
3	Unauthorized Broadcasting Identification: A Deep LSTM Recurrent Learning Approach. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5981-5983.	4.7	54
4	Cyclic correntropy and its spectrum in frequency estimation in the presence of impulsive noise. Signal Processing, 2016, 120, 503-508.	3.7	52
5	Automatic Modulation Classification Using Cyclic Correntropy Spectrum in Impulsive Noise. IEEE Wireless Communications Letters, 2019, 8, 440-443.	5.0	49
6	LLSURE: Local Linear SURE-Based Edge-Preserving Image Filtering. IEEE Transactions on Image Processing, 2013, 22, 80-90.	9.8	43
7	Cyclic Correntropy: Foundations and Theories. IEEE Access, 2018, 6, 34659-34669.	4.2	36
8	Time-difference-of-arrival estimation algorithms for cyclostationary signals in impulsive noise. Signal Processing, 2012, 92, 2238-2247.	3.7	33
9	Energy-Efficient Hybrid Precoding With Low Complexity for mmWave Massive MIMO Systems. IEEE Access, 2019, 7, 95021-95032.	4.2	33
10	Robust visual tracking via incremental low-rank features learning. Neurocomputing, 2014, 131, 237-247.	5.9	28
11	Automatic Modulation Classification Under Non-Gaussian Noise: A Deep Residual Learning Approach. , 2019, , .		26
12	Bounded non-linear covariance based ESPRIT method for noncircular signals in presence of impulsive noise. , 2019, 87, 104-111.		26
13	Active contour model driven by global and local intensity information for ultrasound image segmentation. Computers and Mathematics With Applications, 2018, 75, 4286-4299.	2.7	24
14	A hybrid active contour model based on global and local information for medical image segmentation. Multidimensional Systems and Signal Processing, 2019, 30, 689-703.	2.6	24
15	Denoising for Multiple Image Copies through Joint Sparse Representation. Journal of Mathematical Imaging and Vision, 2013, 45, 46-54.	1.3	23
16	Generalized covariance for non-Gaussian signal processing and GC-MUSIC under Alpha-stable distributed noise. , 2021, 110, 102923.		22
17	Fetal Heart Rate Monitoring from Phonocardiograph Signal Using Repetition Frequency of Heart Sounds. Journal of Electrical and Computer Engineering, 2016, 2016, 1-6.	0.9	18
18	Hyperbolic-tangent-function-based cyclic correlation: Definition and theory. Signal Processing, 2019, 164, 206-216.	3.7	18

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19	Cyclic Frequency Estimation by Compressed Cyclic Correntropy Spectrum in Impulsive Noise. IEEE Signal Processing Letters, 2019, 26, 888-892.	3.6	17
20	DOA Estimation for CD Sources by Complex Cyclic Correntropy in an Impulsive Noise Environment. IEEE Communications Letters, 2020, 24, 1015-1019.	4.1	17
21	A topology preserving non-rigid registration algorithm with integration shape knowledge to segment brain subcortical structures from MRI images. Pattern Recognition, 2010, 43, 2418-2427.	8.1	15
22	Parameter Estimation Based on Fractional Power Spectrum Density in Bistatic MIMO Radar System Under Impulsive Noise Environment. Circuits, Systems, and Signal Processing, 2016, 35, 3266-3283.	2.0	15
23	Robust adaptive DOA estimation method in an impulsive noise environment considering coherently distributed sources. Signal Processing, 2019, 165, 343-356.	3.7	14
24	Nonlinear regression A*OMP for compressive sensing signal reconstruction. , 2017, 69, 11-21.		13
25	A Robust Parameter Estimation of LFM Signal Based on Sigmoid Transform Under the Alpha Stable Distribution Noise. Circuits, Systems, and Signal Processing, 2019, 38, 3170-3186.	2.0	13
26	Fast Blind Equalization Using Bounded Non-Linear Function With Non-Gaussian Noise. IEEE Communications Letters, 2020, 24, 1812-1815.	4.1	13
27	BNCâ€based projection approximation subspace tracking under impulsive noise. IET Radar, Sonar and Navigation, 2017, 11, 1055-1061.	1.8	13
28	Capture Properties of the Generalized CMA in Alpha-Stable Noise Environment. Wireless Personal Communications, 2009, 49, 107-122.	2.7	12
29	A Simplified DOA Estimation Method Based on Correntropy in the Presence of Impulsive Noise. IEEE Access, 2018, 6, 67010-67025.	4.2	12
30	Cyclostationarity-based DOA estimation algorithms for coherent signals in impulsive noise environments. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	11
31	Joint Estimation of the DOA and the Number of Sources for Wideband Signals Using Cyclic Correntropy. IEEE Access, 2019, 7, 42482-42494.	4.2	11
32	An efficient real-valued sparse Bayesian learning for non-circular signal's DOA estimation in the presence of impulsive noise. , 2020, 106, 102838.		11
33	Generalized covariance-based ESPRIT-like solution to direction of arrival estimation for strictly non-circular signals under Alpha-stable distributed noise. , 2021, 118, 103214.		11
34	A Novel Method for Near-Field Source Localization in Impulsive Noise Environments. Circuits, Systems, and Signal Processing, 2016, 35, 4030-4059.	2.0	10
35	Deformable Head Atlas of Chinese Adults Incorporating Inter-Subject Anatomical Variations. IEEE Access, 2018, 6, 51392-51400.	4.2	10
36	Image classification with an RGB-channel nonsubsampled contourlet transform and a convolutional neural network. Neurocomputing, 2020, 396, 266-277.	5.9	10

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37	Robust Sparse Representation for DOA Estimation With Unknown Mutual Coupling Under Impulsive Noise. IEEE Communications Letters, 2020, 24, 1455-1458.	4.1	10
38	Energy-Efficient Multi-Antenna Hybrid Block Diagonalization Precoding and Combining for MmWave Massive Multi-User MIMO Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 10461-10476.	6.3	10
39	The Fractional Lower Order Moments Based ESPRIT Algorithm for Noncircular Signals in Impulsive Noise Environments. Wireless Personal Communications, 2017, 96, 1673-1690.	2.7	9
40	Robust time delay estimation with unknown cyclic frequency in co-channel interference and impulsive noise. , 2021, 117, 103166.		7
41	Denoise MRI images using sparse 3D transformation domain collaborative filtering. , 2011, , .		6
42	Variable step-size modified blind equalization algorithm based on fractional lower order statistics under impulsive noise. , 2017, , .		6
43	A Novel DOA Estimation for Distributed Sources in an Impulsive Noise Environment. IEEE Access, 2020, 8, 61405-61420.	4.2	6
44	Phased Fractional Lower-Order Cyclic Moment Processed in Compressive Signal Processing. IEEE Access, 2019, 7, 98811-98819.	4.2	5
45	Effective Method for Mixed-Field Localization in the Presence of Impulsive Noise. IEEE Communications Letters, 2019, 23, 1977-1980.	4.1	5
46	Beamspace U-ESPRIT DOA Estimation Algorithm of Coherently Distributed Sources in Massive MIMO Systems. , 2020, , .		5
47	Robust Fractional Lower Order Correntropy Algorithm for DOA Estimation in Impulsive Noise Environments. IEICE Transactions on Communications, 2021, E104.B, 35-48.	0.7	5
48	The SCOT weighted adaptive time delay estimation algorithm based on minimum dispersion criterion. , 2010, , .		4
49	Transportation of dynamic biochemical signals in non-reversing oscillatory flows in blood vessels. Science China: Physics, Mechanics and Astronomy, 2013, 56, 322-327.	5.1	4
50	Quasi-periodic fluctuation in Donchin's speller signals and its potential use for asynchronous control. Biomedizinische Technik, 2018, 63, 105-112.	0.8	4
51	A novel direction finding algorithm for distributed sources under impulsive noise environments. AEU - International Journal of Electronics and Communications, 2020, 117, 153109.	2.9	4
52	Hyperbolic tangent cyclic correlation and its application to the joint estimation of time delay and doppler shift. Signal Processing, 2021, 180, 107863.	3.7	4
53	Automated brain structures segmentation from PET/CT images based on landmark-constrained dual-modality atlas registration. Physics in Medicine and Biology, 2021, 66, 095003.	3.0	4
54	A novel phase parameter estimation method of quadratic FM signal based on Sigmoid fractional ambiguity function in impulsive noise environment. AEU - International Journal of Electronics and Communications, 2018, 93, 268-276.	2.9	3

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55	Asynchronous Blind Modulation Classification in the Presence of Non-Gaussian Noise. , 2019, , .		3
56	A Cyclostationarity Based Esprit Algorithm for DOA Estimation of Uniform Circular Array. , 2021, , .		3
57	Cardiac cycle detection for heart sound signal based on instantaneous cycle frequency. , 2011, , .		2
58	A new correntropy based TDE method under Î±-stable distribution noise environment. Journal of Electronics, 2011, 28, 284-288.	0.2	2
59	A novel cyclic correntropy MUSIC algorithm of cyclostationary signal based on UCA in impulsive noise. , 2017, , .		2
60	Inter-Subject Shape Correspondence Computation From Medical Images Without Organ Segmentation. IEEE Access, 2019, 7, 130772-130781.	4.2	2
61	Deblurring traffic sign images based on exemplars. PLoS ONE, 2018, 13, e0191367.	2.5	2
62	A Low Complexity DOA Estimation Method of CD Sources in Impulsive Noise. IEEE Access, 2021, 9, 142857-142868.	4.2	2
63	Automatic dependent surveillanceâ€broadcast time delay estimation based on extended recursive maximum correntropy algorithm. IET Radar, Sonar and Navigation, 2016, 10, 1500-1507.	1.8	2
64	Cyclic correntropy: Properties and the application in symbol rate estimation under alpha-stable distributed noise. , 2022, 126, 103484.		2
65	A robust signal selective TDOA estimation algorithm for cyclostationary signals. , 2012, , .		1
66	Spatioâ€temporal mean curvature based image sequence restoration. IET Image Processing, 2016, 10, 359-370.	2.5	1
67	Adaptive filtering based on extended kernel recursive maximum correntropy. , 2017, , .		1
68	A Novel Merged Strategy with Deformation Field Reconstruction for Constructing Statistical Shape Models. , 2019, , .		1
69	Robust EP latency change estimation algorithm under time-variant impulsive noise environments. , 2010, , .		0
70	A novel agorithm for improved time delay estimation for cyclostationary signals. , 2012, , .		0
71	Stochastic CramÃ©r-Rao bound for noncircular sources' DOA estimation in alpha-stable noise. , 2017, , .		0
72	Parameter estimation for coherently distributed noncircular sources under impulsive noise environments. Signal, Image and Video Processing, 2020, 14, 1497-1505.	2.7	0