Sheng Zhang

List of Publications by Year
in descending order

48 papers	903 citations	471061 17 h-index	476904 29 g-index
48 all docs	48 docs citations	48 times ranked	382 citing authors

#	ARTICLE	IF	CITATIONS
1	Delayed Combination of Adaptive Filters in Colored Noise. IEEE Transactions on Signal Processing, 2022, 70, 1918-1931.	3.2	5
2	Combined-Sample Multiband-Structured Subband Filtering Algorithms. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 1083-1092.	4.0	3
3	Light-FireNet: an efficient lightweight network for fire detection in diverse environments. Multimedia Tools and Applications, 2022, 81, 24553-24572.	2.6	8
4	Full Mean-Square Analysis of Affine Combination of Two Complex-Valued LMS Filters for Second-Order Non-Circular Inputs. IEEE Signal Processing Letters, 2022, 29, 1157-1161.	2.1	4
5	Normalized Subband Spline Adaptive Filter: Algorithm Derivation and Analysis. Circuits, Systems, and Signal Processing, 2021, 40, 2400-2418.	1.2	11
6	Diffusion Bayesian Subband Adaptive Filters for Distributed Estimation Over Sensor Networks. IEEE Transactions on Communications, 2021, 69, 6909-6925.	4.9	7
7	Frequency-Domain Diffusion Adaptation Over Networks. IEEE Transactions on Signal Processing, 2021, 69, 5419-5430.	3.2	8
8	Diffusion RLS Algorithm for Secure Distributed Estimation Under Attacks. , 2021, , .		0
9	Performance Analysis of Compressive Diffusion Normalized LMS Algorithm with Link Noises. , 2021, , .		1
10	Pipelined nonlinear spline filter for speech prediction. Applied Acoustics, 2021, 179, 108057.	1.7	5
11	A full mean-square analysis of CNSAF algorithm for noncircular inputs. Journal of the Franklin Institute, 2021, 358, 7883-7899.	1.9	7
12	Complex-valued proportionate affine projection Versoria algorithms and their combined-step-size variants for sparse system identification under impulsive noises. , 2021, 118, 103209.		6
13	Adaptive Frequency-Domain Normalized Implementations of Widely-Linear Complex-Valued Filter. IEEE Transactions on Signal Processing, 2021, 69, 5801-5814.	3.2	12
14	Decimated m-sequences families with optimal partial Hamming correlation. Cryptography and Communications, 2020, 12, 405-413.	0.9	3
15	Robust competitive diffusion LMS algorithm. Signal, Image and Video Processing, 2020, 14, 343-349.	1.7	1
16	Diffusion Average-Estimate Bias-Compensated LMS Algorithms Over Adaptive Networks Using Noisy Measurements. IEEE Transactions on Signal Processing, 2020, 68, 4643-4655.	3.2	14
17	Complementary Mean-Square Analysis of CNLMS Algorithm Using Pseudo-Energy-Conservation Method. IEEE Signal Processing Letters, 2020, 27, 1345-1349.	2.1	6
18	Distributed Separated-Decorrelation LMS Algorithms Over Sensor Networks With Noisy Inputs. IEEE Transactions on Signal Processing, 2020, 68, 4163-4177.	3.2	13

#	Article	IF	Citations
19	Diffusion ACNSAF Algorithm for Secure Distributed Estimation Under Complex-Valued Attacks. IEEE Access, 2020, 8, 203168-203182.	2.6	4
20	Low-Complexity Decorrelation NLMS Algorithms: Performance Analysis and AEC Application. IEEE Transactions on Signal Processing, 2020, 68, 6621-6632.	3.2	7
21	Combined-step-size Proportionate Decorrelation NLMS Algorithm for Adaptive Echo Cancellation. , 2020, , .		4
22	Subband Adaptive Filtering Algorithm Over Functional Link Neural Network. , 2019, , .		5
23	Widely Linear Complex-Valued Estimated-Input LMS Algorithm for Bias-Compensated Adaptive Filtering With Noisy Measurements. IEEE Transactions on Signal Processing, 2019, 67, 3592-3605.	3.2	41
24	Mean-square-deviation analysis of probabilistic LMS algorithm. , 2019, 92, 26-35.		13
25	Robust Weight-Constraint Decorrelation Normalized Maximum Versoria Algorithm. , 2019, , .		2
26	Mean-Square Analysis of Multi-Sampled Multiband-Structured Subband Filtering Algorithm. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 1051-1062.	3.5	38
27	Augmented complex-valued normalized subband adaptive filter: Algorithm derivation and analysis. Journal of the Franklin Institute, 2019, 356, 1604-1622.	1.9	24
28	Combined-Step-Size Normalized Subband Adaptive Filter With a Variable-Parametric Step-Size Scaler Against Impulsive Interferences. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1803-1807.	2.2	21
29	Recursive Adaptive Sparse Exponential Functional Link Neural Network for Nonlinear AEC in Impulsive Noise Environment. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4314-4323.	7.2	39
30	A Family of Adaptive Decorrelation NLMS Algorithms and Its Diffusion Version Over Adaptive Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 638-649.	3.5	27
31	A Multi-Sampled Multiband-Structured Subband Filtering Algorithm. , 2018, , .		0
32	Affine Projection Versoria Algorithm for Robust Adaptive Echo Cancellation in Hands-Free Voice Communications. IEEE Transactions on Vehicular Technology, 2018, 67, 11924-11935.	3.9	43
33	Joint adaptive step-size and zero-attractor parameters for l0-NLMS algorithm. , 2018, , .		0
34	Normalized Least Mean-Square Algorithm with Variable Step Size Based on Diffusion Strategy. , 2018, , .		9
35	Robust Shrinkage Normalized Sign Algorithm in an Impulsive Noise Environment. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 91-95.	2.2	44
36	NLMS Algorithm Based on a Variable Parameter Cost Function Robust Against Impulsive Interferences. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 600-604.	2.2	26

#	ARTICLE	IF	CITATIONS
37	Adaptive Filtering Under a Variable Kernel Width Maximum Correntropy Criterion. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 1247-1251.	2.2	65
38	Maximum Versoria Criterion-Based Robust Adaptive Filtering Algorithm. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 1252-1256.	2.2	82
39	Non‐parametric variable step‐size diffusion LMS algorithm over adaptive networks. Electronics Letters, 2017, 53, 768-770.	0.5	3
40	A new combined-step-size normalized least mean square algorithm for cyclostationary inputs. Signal Processing, 2017, 141, 261-272.	2.1	49
41	A Family of Robust M-Shaped Error Weighted Least Mean Square Algorithms: Performance Analysis and Echo Cancellation Application. IEEE Access, 2017, 5, 14716-14727.	2.6	32
42	A comparison of NLMS and LMS algorithms for cyclostationary input signals. , 2017, , .		4
43	A novel subband adaptive filter algorithm against impulsive noise and it's performance analysis. Signal Processing, 2016, 127, 282-287.	2.1	31
44	Robust Variable Step-Size Decorrelation Normalized Least-Mean-Square Algorithm and its Application to Acoustic Echo Cancellation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 2368-2376.	4.0	32
45	Pipelined set-membership approach to adaptive Volterra filtering. Signal Processing, 2016, 129, 195-203.	2.1	18
46	Combined-Step-Size Affine Projection Sign Algorithm for Robust Adaptive Filtering in Impulsive Interference Environments. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 493-497.	2.2	62
47	New Steady-State Analysis Results of Variable Step-Size LMS Algorithm With Different Noise Distributions. IEEE Signal Processing Letters, 2014, 21, 653-657.	2.1	48
48	Enhancing the tracking capability of recursive least p-norm algorithm via adaptive gain factor. , 2014, 30, 67-73.		16