Jie Chen

List of Publications by Year
in descending order

55 papers	813 citations	567281 15 h-index	552781 26 g-index
55 all docs	55 docs citations	55 times ranked	544 citing authors

#	Article	IF	Citations
1	Hyperspectral Unmixing via Nonnegative Matrix Factorization With Handcrafted and Learned Priors. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
2	A Plug-and-Play Priors Framework for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	7
3	Hyperspectral Image Super-Resolution via Deep Prior Regularization With Parameter Estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1708-1723.	8.3	34
4	Hyperspectral Unmixing for Additive Nonlinear Models With a 3-D-CNN Autoencoder Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	23
5	Multiscale-Superpixel-Based SparseCEM for Hyperspectral Target Detection. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	5
6	Probabilistic Generative Model for Hyperspectral Unmixing Accounting for Endmember Variability. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	7
7	Transient Performance Analysis of the $ell _1$-RLS. IEEE Signal Processing Letters, 2022, 29, 90-94.	3.6	3
8	A 3-D-CNN Framework for Hyperspectral Unmixing With Spectral Variability. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	11
9	Sparse Linear Spectral Unmixing of Hyperspectral Images Using Expectation-Propagation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	4
10	Perceptual Loss-Constrained Adversarial Autoencoder Networks for Hyperspectral Unmixing. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	3
11	Blind Modulation Classification Under Uncertain Noise Conditions: A Multitask Learning Approach. IEEE Communications Letters, 2022, 26, 1027-1031.	4.1	5
12	Deep Generative Model for Spatialâ€“Spectral Unmixing With Multiple Endmember Priors. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	7
13	A Deep Joint Network for Multispectral Demosaicking Based on Pseudo-Panchromatic Images. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 622-635.	10.8	6
14	Hyperspectral Shadow Removal via Nonlinear Unmixing. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 881-885.	3.1	11
15	Steady-State Mean-Square Error Performance Analysis of the Tensor LMS Algorithm. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1043-1047.	3.0	6
16	Transient Theoretical Analysis of Diffusion RLS Algorithm for Cyclostationary Colored Inputs. IEEE Signal Processing Letters, 2021, 28, 1160-1164.	3.6	7
17	Zeroth-Order Diffusion Adaptive Filter Over Networks. IEEE Transactions on Signal Processing, 2021, 69, 589-602.	5.3	8
18	Multichannel Iterative Noise Reduction Filters in the Short-Time-Fourier-Transform Domain Based on Kronecker Product Decomposition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 2725-2740.	5.8	1

#	Article	IF	Citations
19	Object Detection in Hyperspectral Images. IEEE Signal Processing Letters, 2021, 28, 508-512.	3.6	28
20	Projection-Based QLP Algorithm for Efficiently Computing Low-Rank Approximation of Matrices. IEEE Transactions on Signal Processing, 2021, 69, 2218-2232.	5.3	8
21	LSTM-DNN Based Autoencoder Network for Nonlinear Hyperspectral Image Unmixing. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 295-309.	10.8	34
22	A family of normalized dual sign algorithms. , 2021, 110, 102954.		4
23	Wave-domain active noise control over distributed networks of multi-channel nodes. Signal Processing, 2021, 184, 108050.	3.7	8
24	Hyperspectral image shadow compensation via cycle-consistent adversarial networks. Neurocomputing, 2021, 450, 61-69.	5.9	7
25	A model-based variable step-size strategy for proximal multitask diffusion LMS algorithm. , 2021, 117, 103199.		6
26	Online Generalized Eigenvectors Extraction Via a Fixed-Point Approach. IEEE Transactions on Signal Processing, 2021, 69, 2435-2451.	5.3	3
27	Online Construction of Variable Span Linear Filters Using a Fixed-Point Approach. IEEE Signal Processing Letters, 2021, 28, 404-408.	3.6	1
28	Bias-Compensated Sign Algorithm for Noisy Inputs and Its Step-Size Optimization. IEEE Transactions on Signal Processing, 2021, 69, 2330-2342.	5.3	24
29	Stochastic Analysis of Diffusion Dual Sign Algorithm for Cyclostationary White Gaussian Inputs and Nonstationary System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1354-1358.	3.0	4
30	Tensor Denoising Using Low-Rank Tensor Train Decomposition. IEEE Signal Processing Letters, 2020, 27, 1685-1689.	3.6	14
31	Online Proximal Learning Over Jointly Sparse Multitask Networks With $ell _{infty, 1}$ Regularization. IEEE Transactions on Signal Processing, 2020, 68, 6319-6335.	5.3	5
32	Distributed Wave-Domain Active Noise Control Based on the Diffusion Adaptation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 2374-2385.	5.8	7
33	Tracking Analysis of Gaussian Kernel Signed Error Algorithm for Time-Variant Nonlinear Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2289-2293.	3.0	6
34	Multitask Learning Over Graphs: An Approach for Distributed, Streaming Machine Learning. IEEE Signal Processing Magazine, 2020, 37, 14-25.	5.6	57
35	Transient Analysis of Signed LMS Algorithms With Cyclostationary Colored Gaussian Inputs. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3562-3566.	3.0	3
36	Reconstruction of Hyperspectral Data From RGB Images With Prior Category Information. IEEE Transactions on Computational Imaging, 2020, 6, 1070-1081.	4.4	30

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37	Multitask diffusion affine projection sign algorithm and its sparse variant for distributed estimation. Signal Processing, 2020, 172, 107561.	3.7	14
38	Efficient Low-Rank Approximation of Matrices Based on Randomized Pivoted Decomposition. IEEE Transactions on Signal Processing, 2020, 68, 3575-3589.	5.3	8
39	Affine Combination of Diffusion Strategies Over Networks. IEEE Transactions on Signal Processing, 2020, 68, 2087-2104.	5.3	24
40	Generalized combined nonlinear adaptive filters: From the perspective of diffusion adaptation over networks. Signal Processing, 2020, 172, 107507.	3.7	5
41	A Low-Rank Tensor Dictionary Learning Method for Hyperspectral Image Denoising. IEEE Transactions on Signal Processing, 2020, 68, 1168-1180.	5.3	49
42	Convex Combination of Diffusion Strategies Over Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 714-731.	2.8	8
43	Sparse-SpatialCEM for Hyperspectral Target Detection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 2184-2195.	4.9	18
44	A Laboratory-Created Dataset With Ground Truth for Hyperspectral Unmixing Evaluation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 2170-2183.	4.9	15
45	A Graph Regularized Multilinear Mixing Model for
Nonlinear Hyperspectral Unmixing. Remote Sensing, 2019, 11, 2188.	4.0	12
46	Randomized Truncated Pivoted QLP Factorization for Low-Rank Matrix Recovery. IEEE Signal Processing Letters, 2019, 26, 1075-1079.	3.6	11
47	Kernel-Based Nonlinear Spectral Unmixing with Dictionary Pruning. Remote Sensing, 2019, 11, 529.	4.0	8
48	Nonlinear Unmixing of Hyperspectral Data via Deep Autoencoder Networks. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1467-1471.	3.1	80
49	Recursive Variable Span Linear Filter for Noise Reduction. IEEE Signal Processing Letters, 2019, 26, 1902-1906.	3.6	2
50	Learning Combination of Graph Filters for Graph Signal Modeling. IEEE Signal Processing Letters, 2019, 26, 1912-1916.	3.6	7
51	Steady-state and stability analyses of diffusion sign-error LMS algorithm. Signal Processing, 2018, 149, 62-67.	3.7	14
52	Model-driven online parameter adjustment for zero-attracting LMS. Signal Processing, 2018, 152, 373-383.	3.7	30
53	Abnormal global and local event detection in compressive sensing domain. AIP Advances, 2018, 8, 055224.	1.3	1
54	Reweighted nonnegative least-mean-square algorithm. Signal Processing, 2016, 128, 131-141.	3.7	18

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55	Diffusion sign-error LMS algorithm: Formulation and stochastic behavior analysis. Signal Processing, 2016, 128, 142-149.	3.7	85