Xiaodong Li

List of Publications by Year
in descending order

50	589	759233	713466
papers	citations	12	21
		h-index	g-index

55	55	55	278
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wideband Multitarget Tracking Based on Dynamic Bayesian Network Learning in an Acoustic Sensor Array Network. IEEE Internet of Things Journal, 2022, 9, 4769-4787.	8.7	5
2	Multitarget Tracking Based on Dynamic Bayesian Network With Reparameterized Approximate Variational Inference. IEEE Internet of Things Journal, 2022, 9, 11542-11559.	8.7	0
3	Glance and gaze: A collaborative learning framework for single-channel speech enhancement. Applied Acoustics, 2022, 187, 108499.	3.3	57
4	Measurement and modeling of the mechanical impedance of human mastoid and condyle. Journal of the Acoustical Society of America, 2022, 151, 1434-1448.	1.1	6
5	Noise-robust blind reverberation time estimation using noise-aware time–frequency masking. Measurement: Journal of the International Measurement Confederation, 2022, 192, 110901.	5.0	4
6	A separation and interaction framework for causal multi-channel speech enhancement. , 2022, 126, 103519.		4
7	Embedding and Beamforming: All-Neural Causal Beamformer for Multichannel Speech Enhancement. , 2022, , .		17
8	A Neural Beamspace-Domain Filter for Real-Time Multi-Channel Speech Enhancement. Symmetry, 2022, 14, 1081.	2.2	3
9	An individualization approach for head-related transfer function in arbitrary directions based on deep learning. JASA Express Letters, 2022, 2, .	1.1	3
10	Filtering and Refining: A Collaborative-Style Framework for Single-Channel Speech Enhancement. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 2156-2172.	5.8	6
11	Taylor, Can You Hear Me Now? A Taylor-Unfolding Framework for Monaural Speech Enhancement. , 2022, , .		7
12	On the importance of power compression and phase estimation in monaural speech dereverberation. JASA Express Letters, 2021, 1, .	1.1	49
13	Two Heads are Better Than One: A Two-Stage Complex Spectral Mapping Approach for Monaural Speech Enhancement. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 1829-1843.	5.8	73
14	Off-Grid DOA Estimation Based on Circularly Fully Convolutional Networks (CFCN) Using Space-Frequency Pseudo-Spectrum. Sensors, 2021, 21, 2767.	3.8	4
15	ICASSP 2021 Acoustic Echo Cancellation Challenge: Integrated Adaptive Echo Cancellation with Time Alignment and Deep Learning-Based Residual Echo Plus Noise Suppression. , 2021, , .		11
16	Investigation of an MAA Test With Virtual Sound Synthesis. Frontiers in Psychology, 2021, 12, 656052.	2.1	2
17	ICASSP 2021 Deep Noise Suppression Challenge: Decoupling Magnitude and Phase Optimization with a Two-Stage Deep Network. , 2021, , .		29
18	Distributed node-specific block-diagonal LCMV beamforming in wireless acoustic sensor networks. Signal Processing, 2021, 185, 108085.	3.7	4

#	Article	IF	Citations
19	Deep learning-based stereophonic acoustic echo suppression without decorrelation. Journal of the Acoustical Society of America, 2021, 150, 816-829.	1.1	9
20	A Low-Complexity Volterra Filtered-Error LMS Algorithm with a Kronecker Product Decomposition. Applied Sciences (Switzerland), 2021, 11, 9637.	2.5	1
21	A temporal-spectral generative adversarial network based end-to-end packet loss concealment for wideband speech transmission. Journal of the Acoustical Society of America, 2021, 150, 2577-2588.	1.1	12
22	Learning to Inference with Early Exit in the Progressive Speech Enhancement. , 2021, , .		3
23	A Supervised Speech Enhancement Approach with Residual Noise Control for Voice Communication. Applied Sciences (Switzerland), 2020, 10, 2894.	2.5	7
24	Speech enhancement using progressive learning-based convolutional recurrent neural network. Applied Acoustics, 2020, 166, 107347.	3.3	48
25	Joint estimation of binaural distance and azimuth by exploiting deep neural networks. Journal of the Acoustical Society of America, 2020, 147, 2625-2635.	1.1	6
26	Multi-Source Localization Using Time of Arrival Self-Clustering Method in Wireless Sensor Networks. IEEE Access, 2019, 7, 82110-82121.	4.2	16
27	Statistical Analysis of the Multichannel Wiener Filter Using a Bivariate Normal Distribution for Sample Covariance Matrices. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 951-966.	5.8	12
28	Quantized Kalman Filter Tracking in Directional Sensor Networks. IEEE Transactions on Mobile Computing, 2018, 17, 871-883.	5.8	21
29	A multi-tone active noise control system with a simplified local on-line secondary-path modeling. Journal of the Acoustical Society of America, 2018, 144, EL515-EL521.	1.1	6
30	Estimation of low-altitude moving target trajectory using single acoustic array. Journal of the Acoustical Society of America, 2016, 139, 1848-1858.	1.1	21
31	Analysis of Additional Stable Gain by Frequency Shifting for Acoustic Feedback Suppression using Statistical Room Acoustics. IEEE Signal Processing Letters, 2016, 23, 159-163.	3.6	3
32	Bandwidth extension for speech acquired by laser Doppler vibrometer with an auxiliary microphone. , 2015, , .		4
33	Active Headrest with Robust Performance against Head Movement. Journal of Low Frequency Noise Vibration and Active Control, 2015, 34, 233-250.	2.9	19
34	Equalization of loudspeaker response using balanced model truncation. Journal of the Acoustical Society of America, 2015, 137, EL241-EL247.	1.1	6
35	An improved wavelet based shock wave detector. , 2015, , .		0
36	On Generalized Auto-Spectral Coherence Function and Its Applications to Signal Detection. IEEE Signal Processing Letters, 2014, 21, 559-563.	3.6	11

#	Article	IF	Citations
37	A Constrained MMSE LP Residual Estimator for Speech Dereverberation in Noisy Environments. IEEE Signal Processing Letters, 2014, 21, 1462-1466.	3.6	10
38	Two-stage optimisation algorithm for adaptive IIR notch filter. Electronics Letters, 2014, 50, 985-987.	1.0	2
39	A modified power-level-difference-based noise reduction for dual-microphone headsets. , 2013, , .		1
40	A Statistical Analysis of Two-Channel Post-Filter Estimators in Isotropic Noise Fields. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 336-342.	3.2	10
41	A cepstrum-based preprocessing and postprocessing for speech enhancement in adverse environments. Applied Acoustics, 2013, 74, 1458-1462.	3.3	16
42	Wideband DOA estimation based on block FOCUSS with limited samples. , 2013, , .		5
43	Subwavelength imaging through spoof surface acoustic waves on a two-dimensional structured rigid surface. Applied Physics Letters, 2013, 103, .	3.3	34
44	Robustness analysis of time-domain and frequency-domain adaptive null-forming schemes. , 2011, , .		1
45	Optimal smoothing for microphone array post-filtering under a combined deterministic-stochastic hybrid model. Journal of Electronics, 2011, 28, 524-530.	0.2	0
46	An EME blind source separation algorithm based on generalized exponential function. Journal of Electronics, 2008, 25, 262-267.	0.2	0
47	Feature Extraction Using Histogram Entropies of Euclidean Distances for Vehicle Classification. , 2006, , .		1
48	Element stage processing system for microphone array calibration. Acoustical Science and Technology, 2004, 25, 112-114.	0.5	0
49	Double talk protection of acoustic echo cancellation based on weighted-sum NLMS algorithm. , 0, , .		1
50	A Recursive Network with Dynamic Attention for Monaural Speech Enhancement. , 0, , .		19