Chao Pan

List of Publications by Year
in descending order

13 papers	327 citations	1040056 9 h-index	1199594 12 g-index
13 all docs	13 docs citations	13 times ranked	121 citing authors

#	ARTICLE	IF	CITATIONS
1	On the design and implementation of linear differential microphone arrays. Journal of the Acoustical Society of America, 2014, 136, 3097-3113.	1.1	86
2	Performance Study of the MVDR Beamformer as a Function of the Source Incidence Angle. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 67-79.	5.8	66
3	Theoretical Analysis of Differential Microphone Array Beamforming and an Improved Solution. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 2093-2105.	5.8	50
4	Fundamentals of Differential Beamforming. Springer Briefs in Electrical and Computer Engineering, 2016, , .	0.5	44
5	Design of robust differential microphone arrays with orthogonal polynomials. Journal of the Acoustical Society of America, 2015, 138, 1079-1089.	1.1	22
6	Reduced-Order Robust Superdirective Beamforming With Uniform Linear Microphone Arrays. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 1548-1559.	5.8	15
7	Design of Directivity Patterns with a Unique Null of Maximum Multiplicity. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 226-235.	5.8	12
8	On the Design of Target Beampatterns for Differential Microphone Arrays. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 1295-1307.	5.8	12
9	A multistage minimum variance distortionless response beamformer for noise reduction. Journal of the Acoustical Society of America, 2015, 137, 1377-1388.	1.1	9
10	On microphone array beamforming and insights into the underlying signal models in the short-time-Fourier-transform domain. Journal of the Acoustical Society of America, 2021, 149, 660-672.	1.1	4
11	Microphone Array Beamforming With High Flexible Interference Attenuation and Noise Reduction. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 1865-1876.	5.8	4
12	A Simplified Wiener Beamformer Based on Covariance Matrix Modelling. , 2021, , .		2
13	On Estimation of Time-Varying Variances of Source and Noise for Sensor Array Processing. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 2865-2879.	5.8	1