

Ning Xiang

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

649
citations

566801

15
h-index

610482

24
g-index

81
all docs

81
docs citations

81
times ranked

336
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian characterization of multiple-slope sound energy decays in coupled-volume systems. Journal of the Acoustical Society of America, 2011, 129, 741-752.	0.5	46
2	Investigation of acoustically coupled enclosures using a diffusion-equation model. Journal of the Acoustical Society of America, 2009, 126, 1187-1198.	0.5	44
3	Evaluation of decay times in coupled spaces: Bayesian parameter estimation. Journal of the Acoustical Society of America, 2001, 110, 1415-1424.	0.5	43
4	Evaluation of decay times in coupled spaces: Bayesian decay model selection. Journal of the Acoustical Society of America, 2003, 113, 2685-2697.	0.5	36
5	Reciprocal maximum-length sequence pairs for acoustical dual source measurements. Journal of the Acoustical Society of America, 2003, 113, 2754-2761.	0.5	35
6	Nested sampling applied in Bayesian room-acoustics decay analysis. Journal of the Acoustical Society of America, 2012, 132, 3251-3262.	0.5	28
7	A model-based Bayesian framework for sound source enumeration and direction of arrival estimation using a coprime microphone array. Journal of the Acoustical Society of America, 2018, 143, 3934-3945.	0.5	27
8	Laser Doppler Vibrometer-Based Acoustic Landmine Detection Using the Fast M-Sequence Transform. IEEE Geoscience and Remote Sensing Letters, 2004, 1, 292-294.	1.4	26
9	A Bayesian direction-of-arrival model for an undetermined number of sources using a two-microphone array. Journal of the Acoustical Society of America, 2014, 135, 742-753.	0.5	26
10	Evaluation of decay times in coupled spaces: Reliability analysis of Bayesian decay time estimation. Journal of the Acoustical Society of America, 2005, 117, 3707-3715.	0.5	24
11	Room acoustic modal analysis using Bayesian inference. Journal of the Acoustical Society of America, 2017, 141, 4480-4493.	0.5	24
12	Investigation on the effect of aperture sizes and receiver positions in coupled rooms. Journal of the Acoustical Society of America, 2013, 133, 3975-3985.	0.5	23
13	Broadband implementation of coprime linear microphone arrays for direction of arrival estimation. Journal of the Acoustical Society of America, 2015, 138, 447-456.	0.5	23
14	Investigations on sound energy decays and flows in a monumental mosque. Journal of the Acoustical Society of America, 2016, 140, 344-355.	0.5	19
15	Model-based Bayesian direction of arrival analysis for sound sources using a spherical microphone array. Journal of the Acoustical Society of America, 2019, 146, 4936-4946.	0.5	19
16	Model-based Bayesian analysis in acoustics—A tutorial. Journal of the Acoustical Society of America, 2020, 148, 1101-1120.	0.5	15
17	Experimental validation of a coprime linear microphone array for high-resolution direction-of-arrival measurements. Journal of the Acoustical Society of America, 2015, 137, EL261-EL266.	0.5	14
18	Bayesian acoustic analysis of multilayer porous media. Journal of the Acoustical Society of America, 2018, 144, 3582-3592.	0.5	13

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19	Simultaneous acoustic channel measurement via maximal-length-related sequences. Journal of the Acoustical Society of America, 2005, 117, 1889-1894.	0.5	11
20	Diffusion equation modeling for sound energy flow analysis in multi domain structures. Journal of the Acoustical Society of America, 2019, 145, 2703-2717.	0.5	11
21	<i>n</i> -tuple coprime sensor arrays. Journal of the Acoustical Society of America, 2017, 142, EL567-EL572.	0.5	10
22	Evaluation of decay times in coupled spaces: An efficient search algorithm within the Bayesian framework. Journal of the Acoustical Society of America, 2006, 120, 3744-3749.	0.5	9
23	Assessment of Acoustical Indicators in Multi-domed Historic Structures by Non-exponential Energy Decay Analysis. Acoustics Australia, 2018, 46, 181-192.	1.4	9
24	Bayesian Inference for Acoustic Direction of Arrival Analysis Using Spherical Harmonics. Entropy, 2019, 21, 579.	1.1	8
25	Artificial enveloping reverberation for binaural auralization using reciprocal maximum-length sequences. Journal of the Acoustical Society of America, 2019, 145, 2691-2702.	0.5	8
26	Using Nested Sampling in the Analysis of Multi-Rate Sound Energy Decay in Acoustically Coupled Rooms. AIP Conference Proceedings, 2005, , .	0.3	7
27	Design of IIR Filters With Bayesian Model Selection and Parameter Estimation. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 669-674.	3.8	7
28	A pseudo-inverse algorithm for simultaneous measurements using multiple acoustical sources. Journal of the Acoustical Society of America, 2007, 121, 1299-1302.	0.5	6
29	Room acoustic modeling and auralization at an indoor firing range. Journal of the Acoustical Society of America, 2019, 146, 3868-3872.	0.5	6
30	Metamaterial-like aerogels for broadband vibration mitigation. Soft Matter, 2021, 17, 4496-4503.	1.2	6
31	Fast M-sequence transform for quasi-backscatter sonar in fisheries and zooplankton survey applications. , 0, , .		5
32	Introduction to the Special Issue on Room Acoustic Modeling and Auralization. Journal of the Acoustical Society of America, 2019, 145, 2597-2600.	0.5	5
33	Bayesian design of broadband multilayered microperforated panel absorbers. Journal of the Acoustical Society of America, 2022, 151, 3094-3103.	0.5	5
34	Comment on "Optimum absorption and aperture parameters for realistic coupled volume spaces determined from computational analysis and subjective testing results" [J. Acoust. Soc. Am. 127, 223-232 (2010)]. Journal of the Acoustical Society of America, 2010, 128, 2539-2542.	0.5	4
35	Three-dimensional spatial analysis of concert and recital halls with a spherical microphone array. Proceedings of Meetings on Acoustics, 2013, , .	0.3	4
36	Generalization of Sabine's reverberation theory. Journal of the Acoustical Society of America, 2020, 148, R5-R6.	0.5	4

#	ARTICLE	IF	CITATIONS
37	Using multifractals to quantify diffuseness in rooms. Proceedings of Meetings on Acoustics, 2009, , .	0.3	3
38	Porous material parameter estimation: A Bayesian approach. AIP Conference Proceedings, 2012, , .	0.3	3
39	Bayesian inference approach to room-acoustic modal analysis. , 2013, , .		3
40	Using nested sampling with Galilean Monte Carlo for model comparison problems in acoustics. Proceedings of Meetings on Acoustics, 2013, , .	0.3	3
41	Diffusion Equation-Based Finite Element Modeling of a Monumental Worship Space. Journal of Computational Acoustics, 2017, 25, 1750029.	1.0	3
42	Experimental investigations on sound energy propagation in acoustically coupled volumes using a high-spatial resolution scanning system. Journal of the Acoustical Society of America, 2018, 143, EL437-EL442.	0.5	3
43	Sound diffraction prediction of a rectangular rigid plate using the physical theory of diffraction. Journal of the Acoustical Society of America, 2019, 145, 2677-2680.	0.5	3
44	Nested sampling-based design of multilayer microperforated panel sound absorbers. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
45	Specific acoustic impedance estimation; Bayesian-network-based inverse finite difference frequency domain method. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
46	Energy based Markov Chain Monte Carlo algorithms for Bayesian model selection. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
47	Experimental investigation on varied degrees of sound field diffuseness in enclosed spaces. Proceedings of Meetings on Acoustics, 2016, , .	0.3	0
48	Frequency-dependent coprime linear microphone arrays for direction of arrival estimation using model-based Bayesian inference. Proceedings of Meetings on Acoustics, 2016, , .	0.3	0
49	Dah-You Maa, friend and scholar. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
50	Maa's equation for the number of normal modes of sound waves in rectangular rooms. Journal of the Acoustical Society of America, 2021, 150, R11-R12.	0.5	0