

Bhan Lam

List of Publications by Year in descending order

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papers

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37
docs citations

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times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective fixed-filter active noise control based on convolutional neural network. <i>Signal Processing</i> , 2022, 190, 108317.	2.1	32
2	Optimal Penalty Factor for the MOV-FxLMS Algorithm in Active Noise Control System. <i>IEEE Signal Processing Letters</i> , 2022, 29, 85-89.	2.1	8
3	Probably Pleasant? A Neural-Probabilistic Approach to Automatic Masker Selection for Urban Soundscape Augmentation. , 2022, , .		3
4	A multidimensional assessment of construction machinery noises based on perceptual attributes and psychoacoustic parameters. <i>Automation in Construction</i> , 2022, 140, 104295.	4.8	5
5	Singapore Soundscape Site Selection Survey (S5): Identification of Characteristic Soundscapes of Singapore via Weighted k-Means Clustering. <i>Sustainability</i> , 2022, 14, 7485.	1.6	1
6	Block coordinate descent based algorithm for computational complexity reduction in multichannel active noise control system. <i>Mechanical Systems and Signal Processing</i> , 2021, 151, 107346.	4.4	29
7	Automation of binaural headphone audio calibration on an artificial head. <i>MethodsX</i> , 2021, 8, 101288.	0.7	6
8	Fast Adaptive Active Noise Control Based on Modified Model-Agnostic Meta-Learning Algorithm. <i>IEEE Signal Processing Letters</i> , 2021, 28, 593-597.	2.1	11
9	A mixed-reality approach to soundscape assessment of outdoor urban environments augmented with natural sounds. <i>Building and Environment</i> , 2021, 194, 107688.	3.0	24
10	Ten questions concerning active noise control in the built environment. <i>Building and Environment</i> , 2021, 200, 107928.	3.0	60
11	Comb-partitioned frequency-domain constraint adaptive algorithm for active noise control. <i>Signal Processing</i> , 2021, 188, 108222.	2.1	11
12	Optimal Output-Constrained Active Noise Control Based on Inverse Adaptive Modeling Leak Factor Estimate. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2021, 29, 1256-1269.	4.0	20
13	The effects of spatial separations between water sound and traffic noise sources on soundscape assessment. <i>Building and Environment</i> , 2020, 167, 106423.	3.0	23
14	Effects of adding natural sounds to urban noises on the perceived loudness of noise and soundscape quality. <i>Science of the Total Environment</i> , 2020, 711, 134571.	3.9	61
15	Effects of contexts in urban residential areas on the pleasantness and appropriateness of natural sounds. <i>Sustainable Cities and Society</i> , 2020, 63, 102475.	5.1	21
16	Active Control of Low-Frequency Noise through a Single Top-Hung Window in a Full-Sized Room. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6817.	1.3	16
17	Feedforward Selective Fixed-filter Active Noise Control: Algorithm and Implementation. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2020, , 1-1.	4.0	27
18	Active control of broadband sound through the open aperture of a full-sized domestic window. <i>Scientific Reports</i> , 2020, 10, 10021.	1.6	46

#	ARTICLE	IF	CITATIONS
19	Practical Implementation of Multichannel Filtered-x Least Mean Square Algorithm Based on the Multiple-Parallel-Branch With Folding Architecture for Large-Scale Active Noise Control. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2020, 28, 940-953.	2.1	36
20	Feedforward multichannel virtual-sensing active control of noise through an aperture: Analysis on causality and sensor-actuator constraints. Journal of the Acoustical Society of America, 2020, 147, 32-48.	0.5	22
21	Multichannel Active Noise Control with Spatial Derivative Constraints to Enlarge the Quiet Zone. , 2020, , .		5
22	Two-gradient direction FXLMS: An adaptive active noise control algorithm with output constraint. Mechanical Systems and Signal Processing, 2019, 116, 651-667.	4.4	38
23	Analysis of Multichannel Virtual Sensing Active Noise Control to Overcome Spatial Correlation and Causality Constraints. , 2019, , .		7
24	Exploiting the Underdetermined System in Multichannel Active Noise Control for Open Windows. Applied Sciences (Switzerland), 2019, 9, 390.	1.3	8
25	Optimal Leak Factor Selection for the Output-Constrained Leaky Filtered-Input Least Mean Square Algorithm. IEEE Signal Processing Letters, 2019, 26, 670-674.	2.1	14
26	Quality assessment of acoustic environment reproduction methods for cinematic virtual reality in soundscape applications. Building and Environment, 2019, 149, 1-14.	3.0	62
27	Physical limits on the performance of active noise control through open windows. Applied Acoustics, 2018, 137, 9-17.	1.7	36
28	A wavenumber approach to analysing the active control of plane waves with arrays of secondary sources. Journal of Sound and Vibration, 2018, 419, 405-419.	2.1	33
29	A Novel Selective Active Noise Control Algorithm to Overcome Practical Implementation Issue. , 2018, , .		14
30	Active control of sound through full-sized open windows. Building and Environment, 2018, 141, 16-27.	3.0	49
31	Understanding multiple-input multiple-output active noise control from a perspective of sampling and reconstruction. , 2017, , .		6
32	Spatial Audio for Soundscape Design: Recording and Reproduction. Applied Sciences (Switzerland), 2017, 7, 627.	1.3	70
33	Open loop active control of noise through open windows. Proceedings of Meetings on Acoustics, 2016, , .	0.3	6
34	Active Acoustic Windows: Towards a Quieter Home. IEEE Potentials, 2016, 35, 11-18.	0.2	23