Bhan Lam

List of Publications by Year
in descending order

34	834	430754	501076
papers	citations	18	28
		h-index	g-index

37	37	37	323
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spatial Audio for Soundscape Design: Recording and Reproduction. Applied Sciences (Switzerland), 2017, 7, 627.	1.3	70
2	Quality assessment of acoustic environment reproduction methods for cinematic virtual reality in soundscape applications. Building and Environment, 2019, 149, 1-14.	3.0	62
3	Effects of adding natural sounds to urban noises on the perceived loudness of noise and soundscape quality. Science of the Total Environment, 2020, 711, 134571.	3.9	61
4	Ten questions concerning active noise control in the built environment. Building and Environment, 2021, 200, 107928.	3.0	60
5	Active control of sound through full-sized open windows. Building and Environment, 2018, 141, 16-27.	3.0	49
6	Active control of broadband sound through the open aperture of a full-sized domestic window. Scientific Reports, 2020, 10, 10021.	1.6	46
7	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
8	Physical limits on the performance of active noise control through open windows. Applied Acoustics, 2018, 137, 9-17.	1.7	36
9	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
10	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
11	Selective fixed-filter active noise control based on convolutional neural network. Signal Processing, 2022, 190, 108317.	2.1	32
12	Block coordinate descent based algorithm for computational complexity reduction in multichannel active noise control system. Mechanical Systems and Signal Processing, 2021, 151, 107346.	4.4	29
13	Feedforward Selective Fixed-filter Active Noise Control: Algorithm and Implementation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, , 1-1.	4.0	27
14	A mixed-reality approach to soundscape assessment of outdoor urban environments augmented with natural sounds. Building and Environment, 2021, 194, 107688.	3.0	24
15	Active Acoustic Windows: Towards a Quieter Home. IEEE Potentials, 2016, 35, 11-18.	0.2	23
16	The effects of spatial separations between water sound and traffic noise sources on soundscape assessment. Building and Environment, 2020, 167, 106423.	3.0	23
17	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
18	Effects of contexts in urban residential areas on the pleasantness and appropriateness of natural sounds. Sustainable Cities and Society, 2020, 63, 102475.	5.1	21

#	Article	IF	Citations
19	Optimal Output-Constrained Active Noise Control Based on Inverse Adaptive Modeling Leak Factor Estimate. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 1256-1269.	4.0	20
20	Active Control of Low-Frequency Noise through a Single Top-Hung Window in a Full-Sized Room. Applied Sciences (Switzerland), 2020, 10, 6817.	1.3	16
21	A Novel Selective Active Noise Control Algorithm to Overcome Practical Implementation Issue. , 2018, , .		14
22	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
23	Fast Adaptive Active Noise Control Based on Modified Model-Agnostic Meta-Learning Algorithm. IEEE Signal Processing Letters, 2021, 28, 593-597.	2.1	11
24	Comb-partitioned frequency-domain constraint adaptive algorithm for active noise control. Signal Processing, 2021, 188, 108222.	2.1	11
25	Exploiting the Underdetermined System in Multichannel Active Noise Control for Open Windows. Applied Sciences (Switzerland), 2019, 9, 390.	1.3	8
26	Optimal Penalty Factor for the MOV-FxLMS Algorithm in Active Noise Control System. IEEE Signal Processing Letters, 2022, 29, 85-89.	2.1	8
27	Analysis of Multichannel Virtual Sensing Active Noise Control to Overcome Spatial Correlation and Causality Constraints. , 2019, , .		7
28	Open loop active control of noise through open windows. Proceedings of Meetings on Acoustics, 2016, , .	0.3	6
29	Understanding multiple-input multiple-output active noise control from a perspective of sampling and reconstruction. , 2017, , .		6
30	Automation of binaural headphone audio calibration on an artificial head. MethodsX, 2021, 8, 101288.	0.7	6
31	Multichannel Active Noise Control with Spatial Derivative Constraints to Enlarge the Quiet Zone. , 2020, , .		5
32	A multidimensional assessment of construction machinery noises based on perceptual attributes and psychoacoustic parameters. Automation in Construction, 2022, 140, 104295.	4.8	5
33	Probably Pleasant? A Neural-Probabilistic Approach to Automatic Masker Selection for Urban Soundscape Augmentation. , 2022, , .		3
34	Singapore Soundscape Site Selection Survey (S5): Identification of Characteristic Soundscapes of Singapore via Weighted k-Means Clustering. Sustainability, 2022, 14, 7485.	1.6	1