

Dongyuan Shi

List of Publications by Year in descending order

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times ranked

156
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Ten questions concerning active noise control in the built environment. Building and Environment, 2021, 200, 107928. | 3.0 | 60 |
| 2 | Active control of sound through full-sized open windows. Building and Environment, 2018, 141, 16-27. | 3.0 | 49 |
| 3 | Active control of broadband sound through the open aperture of a full-sized domestic window. Scientific Reports, 2020, 10, 10021. | 1.6 | 46 |
| 4 | 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 |
| 5 | 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 |
| 6 | Selective fixed-filter active noise control based on convolutional neural network. Signal Processing, 2022, 190, 108317. | 2.1 | 32 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | Alternative switching hybrid ANC. Applied Acoustics, 2021, 173, 107712. | 1.7 | 16 |
| 13 | A Hybrid SFANC-FxNLMS Algorithm for Active Noise Control Based on Deep Learning. IEEE Signal Processing Letters, 2022, 29, 1102-1106. | 2.1 | 15 |
| 14 | 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 |
| 15 | Effect of the audio amplifier's distortion on feedforward active noise control. , 2017, , . | | 12 |
| 16 | Using empirical wavelet transform to speed up selective filtered active noise control system. Journal of the Acoustical Society of America, 2020, 147, 3490-3501. | 0.5 | 11 |
| 17 | Fast Adaptive Active Noise Control Based on Modified Model-Agnostic Meta-Learning Algorithm. IEEE Signal Processing Letters, 2021, 28, 593-597. | 2.1 | 11 |
| 18 | Comb-partitioned frequency-domain constraint adaptive algorithm for active noise control. Signal Processing, 2021, 188, 108222. | 2.1 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | A systolic FxLMS structure for implementation of feedforward active noise control on FPGA. , 2016, , . | | 8 |
| 20 | Exploiting the Underdetermined System in Multichannel Active Noise Control for Open Windows. Applied Sciences (Switzerland), 2019, 9, 390. | 1.3 | 8 |
| 21 | Optimal Penalty Factor for the MOV-FxLMS Algorithm in Active Noise Control System. IEEE Signal Processing Letters, 2022, 29, 85-89. | 2.1 | 8 |
| 22 | Analysis of Multichannel Virtual Sensing Active Noise Control to Overcome Spatial Correlation and Causality Constraints. , 2019, , . | | 7 |
| 23 | Open loop active control of noise through open windows. Proceedings of Meetings on Acoustics, 2016, , . | 0.3 | 6 |
| 24 | Understanding multiple-input multiple-output active noise control from a perspective of sampling and reconstruction. , 2017, , . | | 6 |
| 25 | On algorithms and implementations of a 4-channel active noise canceling window. , 2017, , . | | 6 |
| 26 | A Wireless Reference Active Noise Control Headphone Using Coherence Based Selection Technique. , 2021, , . | | 6 |
| 27 | Is self-explanation better than explaining to a fictitious student when learning from video lectures?. British Journal of Educational Technology, 2022, 53, 2012-2028. | 3.9 | 6 |
| 28 | Multichannel Active Noise Control with Spatial Derivative Constraints to Enlarge the Quiet Zone. , 2020, , . | | 5 |
| 29 | A Multi-Channel Wireless Active Noise Control Headphone With Coherence-Based Weight Determination Algorithm. Journal of Signal Processing Systems, 2022, 94, 811-819. | 1.4 | 4 |
| 30 | An Improved Selective Active Noise Control Algorithm Based on Empirical Wavelet Transform. , 2020, , . | | 3 |