Yiu W Lam

List of Publications by Year
in descending order

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38	622	567281	610901
papers	citations	15	24
		h-index	g-index

38	38	38	367
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	From a profiled diffuser to an optimized absorber. Journal of the Acoustical Society of America, 2000, 108, 643-650.	1.1	56
2	Performance of profiled single noise barriers covered with quadratic residue diffusers. Applied Acoustics, 2005, 66, 709-730.	3.3	56
3	Prediction and evaluation of the scattering from quadratic residue diffusers. Journal of the Acoustical Society of America, 1994, 95, 297-305.	1.1	35
4	Surface diffusion coefficients for room acoustics: Free-field measures. Journal of the Acoustical Society of America, 2000, 108, 1710-1720.	1.1	35
5	The adaptive beam-tracing algorithm. Journal of the Acoustical Society of America, 2000, 107, 1405-1412.	1.1	34
6	A profiled structure with improved low frequency absorption. Journal of the Acoustical Society of America, 2001, 110, 3064-3070.	1.1	31
7	The effect of sound level on perception of reproduced soundscapes. Applied Acoustics, 2016, 110, 53-60.	3.3	29
8	Using Maekawa's chart to calculate finite length barrier insertion loss. Applied Acoustics, 1994, 42, 29-40.	3.3	28
9	Issues for computer modelling of room acoustics in non-concert hall settings. Acoustical Science and Technology, 2005, 26, 145-155.	0.5	27
10	Performance of T-shape barriers with top surface covered with absorptive quadratic residue diffusers. Applied Acoustics, 2008, 69, 93-109.	3.3	27
11	Experimental Validation of the Active Noise Control Methodology Based on Difference Potentials. AIAA Journal, 2009, 47, 874-884.	2.6	26
12	Measuring auditorium seat absorption. Journal of the Acoustical Society of America, 1994, 96, 879-888.	1.1	22
13	A boundary integral formulation for the prediction of acoustic scattering from periodic structures. Journal of the Acoustical Society of America, 1999, 105, 762-769.	1.1	22
14	Evaluation of methods for predicting the scattering from simple rigid panels. Applied Acoustics, 1993, 40, 123-140.	3.3	20
15	A framework for auralization of boundary element method simulations including source and receiver directivity. Journal of the Acoustical Society of America, 2019, 145, 2625-2637.	1.1	19
16	A boundary element method for the calculation of noise barrier insertion loss in the presence of atmospheric turbulence. Applied Acoustics, 2004, 65, 583-603.	3.3	14
17	Sound fields near building facades â€“ comparison of finite and semi-infinite reflectors on a rigid ground plane. Applied Acoustics, 2009, 70, 300-308.	3.3	14
18	Multi-domain active sound control and noise shielding. Journal of the Acoustical Society of America, 2011, 129, 717-725.	1.1	14

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19	Source implementation to eliminate low-frequency artifacts in finite difference time domain room acoustic simulation. Journal of the Acoustical Society of America, 2012, 131, 258-268.	1.1	13
20	The Validation of Acoustic Environment Simulator to Determine the Relationship between Sound Objects and Soundscape. Acta Acustica United With Acustica, 2017, 103, 657-667.	0.8	13
21	An Energy Interpretation of the Kirchhoff-Helmholtz Boundary Integral Equation and its Application to Sound Field Synthesis. Acta Acustica United With Acustica, 2014, 100, 912-920.	0.8	12
22	Potential-based methodology for active sound control in three dimensional settings. Journal of the Acoustical Society of America, 2014, 136, 1101-1111.	1.1	11
23	New attributes of seat dip attenuation. Applied Acoustics, 1994, 41, 1-23.	3.3	10
24	Comment on â€˜â€˜Predicting theater chair absorption from reverberation chamber measurementsâ€™â€™ [J. Acoust. Soc. Am. 91, 1514â€“1524 (1992)]. Journal of the Acoustical Society of America, 1993, 93, 2238-2240.	1.1	8
25	On the modeling of sound propagation over multi-impedance discontinuities using a semiempirical diffraction formulation. Journal of the Acoustical Society of America, 2006, 120, 686-698.	1.1	7
26	The Influence of Headphones on the Localization of External Loudspeaker Sources. AES: Journal of the Audio Engineering Society, 2015, 63, 799-810.	1.0	6
27	Noise Transmission Through Profiled Metal Cladding Part I: Single Skin Measurements. Building Acoustics, 1995, 2, 341-356.	1.9	5
28	THE PREFERRED INITIAL TIME DELAY GAP AND INTER-AURAL CROSS CORRELATION FOR A JAVANESE GAMELAN PERFORMANCE HALL. Journal of Sound and Vibration, 2002, 258, 451-461.	3.9	5
29	Noise Transmission Through Profiled Metal Cladding Part III: Double-Skin SRI Prediction. Building Acoustics, 1995, 2, 403-417.	1.9	4
30	The Wave-Matching Boundary Integral Equation â€” An energy approach to Galerkin BEM for acoustic wave propagation problems. Wave Motion, 2019, 87, 4-36.	2.0	4
31	The performance of realisable quadratic residue diffusers (QRDs). Applied Acoustics, 1994, 41, 237-246.	3.3	3
32	On the modelling of the effect of ground terrain profile in environmental noise calculations. Applied Acoustics, 1994, 42, 99-123.	3.3	3
33	Noise Transmission Through Profiled Metal Cladding Part II: Single Skin SRI Prediction. Building Acoustics, 1995, 2, 357-375.	1.9	3
34	An analytical model for turbulence scattered rays in the shadow zone for outdoor sound propagation calculation. Journal of the Acoustical Society of America, 2009, 125, 1340-1350.	1.1	3
35	Noise Attenuation Provided by Road and Rail Barriers, Earth Berms, Buildings, and Vegetation. , 0, , 1446-1457.		2
36	A transformation approach for efficient evaluation of oscillatory surface integrals arising in threeâ€dimensional boundary element methods. International Journal for Numerical Methods in Engineering, 2016, 108, 93-115.	2.8	1

#	Article	IF	Citations
37	Standard Calculation of Outdoor Noise Propagation â€“ Errors Due to Propagation Effect. Building Acoustics, 1996, 3, 251-264.	1.9	0
38	Fundamentals of active shielding based on implicit control. Journal of Sound and Vibration, 2017, 408, 1-19.	3.9	0