

# Ralph T Muehleisen

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

375  
citations

933447

10  
h-index

794594

19  
g-index

47  
all docs

47  
docs citations

47  
times ranked

430  
citing authors

#	ARTICLE	IF	CITATIONS
1	Leveraging inter-firm influence in the diffusion of energy efficiency technologies: An agent-based model. <i>Applied Energy</i> , 2020, 263, 114641.	10.1	18
2	Revealing mechanism responsible for structural reversibility of single-crystal VO <sub>2</sub> nanorods upon lithiation/delithiation. <i>Nano Energy</i> , 2017, 36, 197-205.	16.0	65
3	An experimental comparison of various methods of nearfield acoustic holography. <i>Journal of Sound and Vibration</i> , 2017, 403, 21-37.	3.9	22
4	Enhanced nearfield acoustic holography for larger distances of reconstructions using fixed parameter Tikhonov regularization. <i>Journal of the Acoustical Society of America</i> , 2016, 140, 114-120.	1.1	11
5	Evaluation of calibration efficacy under different levels of uncertainty. <i>Journal of Building Performance Simulation</i> , 2015, 8, 135-144.	2.0	44
6	Scalable methodology for large scale building energy improvement: Relevance of calibration in model-based retrofit analysis. <i>Building and Environment</i> , 2015, 87, 342-350.	6.9	68
7	Effects of Hologram Distance and Regularization Techniques on Various Methods of Nearfield Acoustic Holography Applied to Building Leakage Detection/Quantification. , 2015, , .		0
8	Leakage Detection Techniques Using Nearfield Acoustic Holography. , 2014, , .		1
9	A new parametric equation for the wind pressure coefficient for low-rise buildings. <i>Energy and Buildings</i> , 2013, 57, 245-249.	6.7	53
10	Stochastic Energy Simulation for Risk Analysis of Energy Retrofits. , 2013, , .		3
11	Analysis of a pressure equalized rainscreen wall as a coupled array of helmholtz resonators. <i>Proceedings of Meetings on Acoustics</i> , 2012, , .	0.3	0
12	Why we have two ears - take two: a revised experiment on sound localization. <i>Proceedings of Meetings on Acoustics</i> , 2010, , .	0.3	0
13	Steady state acoustic radiosity for the prediction of sound pressure levels in enclosures with diffuse surfaces. <i>Noise Control Engineering Journal</i> , 2009, 57, 244.	0.3	4
14	Why we have two ears - A hands-on experiment comparing monaural and binaural hearing. <i>Proceedings of Meetings on Acoustics</i> , 2009, , .	0.3	0
15	Six Surface Steady State Acoustic Radiosity. , 2008, , .		1
16	Analysis of uncertainty in building acoustic predictions using Monte-Carlo methods. <i>Proceedings of Meetings on Acoustics</i> , 2008, , .	0.3	0
17	Sound recordings from the 2007 emergence of Brood XIII cicada. <i>Proceedings of Meetings on Acoustics</i> , 2007, , .	0.3	0
18	Steady-State Diffuse Acoustic Radiosity for Sound Level Prediction in Rooms. , 2006, , 1.		0

#	ARTICLE	IF	CITATIONS
19	Measurements and empirical model of the acoustic properties of reticulated vitreous carbon. Journal of the Acoustical Society of America, 2005, 117, 536-544.	1.1	29
20	Acoustic and Illumination Design of Conference Rooms. , 2003, , 1.		0
21	Comparison of errors in the three- and four-microphone methods used in the measurement of the acoustic properties of porous materials. Acoustics Research Letters Online: ARLO, 2002, 3, 112-117.	0.7	12
22	Effects of common indoor air pollutants on the speed of sound. Acoustics Research Letters Online: ARLO, 2002, 3, 118-123.	0.7	2
23	Modal coupling in acoustic waveguides: planar discontinuities. Applied Acoustics, 2002, 63, 1375-1392.	3.3	34
24	Fundamental azimuthal modes of a constricted annular resonator: Theory and measurement. Journal of the Acoustical Society of America, 2001, 109, 480-487.	1.1	1
25	Annular thermoacoustic engines. AIP Conference Proceedings, 2000, , .	0.4	0