Dick Botteldooren

List of Publications by Year
in descending order

172 papers	5,004 citations	87723 38 h-index	110170 64 g-index
191 all docs	191 docs citations	191 times ranked	3551 citing authors

#	Article	IF	Citations
1	Getting insight in the performance of noise interventions by mobile sound level measurements. Applied Acoustics, 2022, 185, 108385.	1.7	2
2	Map Matching and Lane Detection Based on Markovian Behavior, GIS, and IMU Data. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2056-2070.	4.7	8
3	Early environmental quality and life-course mental health effects: The Equal-Life project. Environmental Epidemiology, 2022, 6, e183.	1.4	13
4	A scalable, self‐supervised calibration and confounder removal model for opportunistic monitoring of road degradation. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 1703-1720.	6.3	3
5	Influence of atmospheric conditions on measured infrasound from wind turbines. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 225, 105021.	1.7	3
6	Opportunistic monitoring of pavements for noise labeling and mitigation with machine learning. Transportation Research, Part D: Transport and Environment, 2021, 90, 102636.	3.2	10
7	Neurophysiological investigation of auditory intensity dependence in patients with Parkinson's disease. Journal of Neural Transmission, 2021, 128, 345-356.	1.4	4
8	Evaluation of multi-feature auditory deviance detection in Parkinson's disease: a mismatch negativity study. Journal of Neural Transmission, 2021, 128, 645-657.	1.4	1
9	The Effect of Parkinson's Disease on Otoacoustic Emissions and Efferent Suppression of Transient Evoked Otoacoustic Emissions. Journal of Speech, Language, and Hearing Research, 2021, 64, 1354-1368.	0.7	3
10	Changes in the Soundscape of the Public Space Close to a Highway by a Noise Control Intervention. Sustainability, 2021, 13, 5284.	1.6	8
11	Rule-Embedded Network for Audio-Visual Voice Activity Detection in Live Musical Video Streams. , 2021, , .		1
12	Measuring infrasound outdoors with a focus on wind turbines: the benefits of a wind-shielding dome. Applied Acoustics, 2021, 178, 108015.	1.7	3
13	Parkinson's disease affects the neural alpha oscillations associated with speech‐in‐noise processing. European Journal of Neuroscience, 2021, 54, 7355-7376.	1.2	2
14	Analysis of probe fitting stimulus properties on transient evoked otoacoustic emissions. International Journal of Audiology, 2020, 59, 45-53.	0.9	2
15	Interactive soundscape augmentation by natural sounds in a noise polluted urban park. Landscape and Urban Planning, 2020, 194, 103705.	3.4	54
16	Detection of road pavement quality using statistical clustering methods. Journal of Intelligent Information Systems, 2020, 54, 483-499.	2.8	12
17	Noise environments in nursing homes: An overview of the literature and a case study in Flanders with quantitative and qualitative methods. Applied Acoustics, 2020, 159, 107103.	1.7	28
18	Does cycling infrastructure reduce stress biomarkers in commuting cyclists? A comparison of five European cities. Journal of Transport Geography, 2020, 88, 102830.	2.3	38

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19	A spatio-temporal land use regression model to assess street-level exposure to black carbon. Environmental Modelling and Software, 2020, 133, 104837.	1.9	11
20	Future Perspectives on the Relevance of Auditory Markers in Prodromal Parkinson's Disease. Frontiers in Neurology, 2020, 11, 689.	1.1	4
21	The future of urban sound environments: Impacting mobility trends and insights for noise assessment and mitigation. Applied Acoustics, 2020, 170, 107518.	1.7	19
22	EEG Correlates of Learning From Speech Presented in Environmental Noise. Frontiers in Psychology, 2020, 11, 1850.	1.1	6
23	The Soundscape Hackathon as a Methodology to Accelerate Co-Creation of the Urban Public Space. Applied Sciences (Switzerland), 2020, 10, 1932.	1.3	7
24	Central auditory processing in parkinsonian disorders: A systematic review. Neuroscience and Biobehavioral Reviews, 2020, 113, 111-132.	2.9	12
25	Application of a Prediction Model for Ambient Noise Levels and Acoustical Capacity for Living Rooms in Nursing Homes Hosting Older People with Dementia. Applied Sciences (Switzerland), 2020, 10, 4205.	1.3	6
26	Multi-stage sound planning methodology for urban redevelopment. Sustainable Cities and Society, 2020, 62, 102362.	5.1	12
27	Sound absorption by tree bark. Applied Acoustics, 2020, 165, 107328.	1.7	15
28	Modifying and co-creating the urban soundscape through digital technologies. SÃ©rie Cultura E TerritÃ³rio, 2020, , 185-200.	0.1	3
29	Classification of soundscapes of urban public open spaces. Landscape and Urban Planning, 2019, 189, 139-155.	3.4	52
30	Mobile phones: A trade-off between speech intelligibility and exposure to noise levels and to radio-frequency electromagnetic fields. Environmental Research, 2019, 175, 1-10.	3.7	6
31	Designing Supportive Soundscapes for Nursing Home Residents with Dementia. International Journal of Environmental Research and Public Health, 2019, 16, 4904.	1.2	18
32	Computational modeling of a single-element transcranial focused ultrasound transducer for subthalamic nucleus stimulation. Journal of Neural Engineering, 2019, 16, 026015.	1.8	23
33	Auditory sensory saliency as a better predictor of change than sound amplitude in pleasantness assessment of reproduced urban soundscapes. Building and Environment, 2019, 148, 730-741.	3.0	18
34	Systematic Audiological Assessment of Auditory Functioning in Patients With Parkinson's Disease. Journal of Speech, Language, and Hearing Research, 2019, 62, 4564-4577.	0.7	10
35	Awareness of â€˜soundâ€™ in nursing homes: A large-scale soundscape survey in Flanders (Belgium). Building Acoustics, 2018, 25, 43-59.	1.1	29
36	The influence of vegetation and surrounding traffic noise parameters on the sound environment of urban parks. Applied Geography, 2018, 94, 199-212.	1.7	24

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37	Presenting and processing information in background noise: A combined speaker–listener perspective. Journal of the Acoustical Society of America, 2018, 143, 210-218.	0.5	1
38	Effect of interaction between attention focusing capability and visual factors on road traffic noise annoyance. Applied Acoustics, 2018, 134, 16-24.	1.7	43
39	Development and evaluation of land use regression models for black carbon based on bicycle and pedestrian measurements in the urban environment. Environmental Modelling and Software, 2018, 99, 58-69.	1.9	42
40	On the array configuration and accuracy of remote in-ear level sensing for in-vehicle noise control applications. Applied Acoustics, 2018, 129, 229-238.	1.7	5
41	Probabilistic Modelling of the Temporal Variability of Urban Sound Levels. Acta Acustica United With Acustica, 2018, 104, 94-105.	0.8	5
42	Machine Listening for Park Soundscape Quality Assessment. Acta Acustica United With Acustica, 2018, 104, 121-130.	0.8	6
43	The Influence of Noise, Vibration, Cycle Paths, and Period of Day on Stress Experienced by Cyclists. Sustainability, 2018, 10, 2379.	1.6	23
44	Kriging-based spatial interpolation from measurements for sound level mapping in urban areas. Journal of the Acoustical Society of America, 2018, 143, 2847-2857.	0.5	48
45	Personal Audiovisual Aptitude Influences the Interaction Between Landscape and Soundscape Appraisal. Frontiers in Psychology, 2018, 9, 780.	1.1	28
46	Influence of Personal Factors on Sound Perception and Overall Experience in Urban Green Areas. A Case Study of a Cycling Path Highly Exposed to Road Traffic Noise. International Journal of Environmental Research and Public Health, 2018, 15, 1118.	1.2	41
47	Landscaping for road traffic noise abatement: Model validation. Environmental Modelling and Software, 2018, 109, 17-31.	1.9	10
48	Variability due to short-distance favorable sound propagation and its consequences for immission assessment. Journal of the Acoustical Society of America, 2018, 143, 3406-3417.	0.5	9
49	Urban Sound Planning. Advances in Civil and Industrial Engineering Book Series, 2018, , 1-22.	0.2	4
50	Using Virtual Reality for assessing the role of noise in the audio-visual design of an urban public space. Landscape and Urban Planning, 2017, 167, 98-107.	3.4	118
51	Field Monitoring of Otoacoustic Emissions During Noise Exposure: Pilot Study in Controlled Environment. American Journal of Audiology, 2017, 26, 352-368.	0.5	4
52	Design of a microphone array for near-field conferencing applications. Proceedings of Meetings on Acoustics, 2017, , .	0.3	1
53	The Personal Viewpoint on the Meaning of Tranquility Affects the Appraisal of the Urban Park Soundscape. Applied Sciences (Switzerland), 2017, 7, 91.	1.3	30
54	Extending Participatory Sensing to Personal Exposure Using Microscopic Land Use Regression Models. International Journal of Environmental Research and Public Health, 2017, 14, 586.	1.2	3

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55	Community Response to Multiple Sound Sources: Integrating Acoustic and Contextual Approaches in the Analysis. International Journal of Environmental Research and Public Health, 2017, 14, 663.	1.2	25
56	Modeling Soundscape Pleasantness Using perceptual Assessments and Acoustic Measurements Along Paths in Urban Context. Acta Acustica United With Acustica, 2017, 103, 430-443.	0.8	47
57	Global and Continuous Pleasantness Estimation of the Soundscape Perceived during Walking Trips through Urban Environments. Applied Sciences (Switzerland), 2017, 7, 144.	1.3	15
58	Monitoring Sound Levels and Soundscape Quality in the Living Rooms of Nursing Homes: A Case Study in Flanders (Belgium). Applied Sciences (Switzerland), 2017, 7, 874.	1.3	39
59	Design Considerations for Robust Noise Rejection in Otoacoustic Emissions Measured In-Field Using Adaptive Filtering. Acta Acustica United With Acustica, 2017, 103, 299-310.	0.8	4
60	Ten questions on the soundscapes of the built environment. Building and Environment, 2016, 108, 284-294.	3.0	273
61	Measurement-based auralization methodology for the assessment of noise mitigation measures. Journal of Sound and Vibration, 2016, 379, 232-244.	2.1	10
62	The Relationship Between Speech Production and Speech Perception Deficits in Parkinson's Disease. Journal of Speech, Language, and Hearing Research, 2016, 59, 915-931.	0.7	27
63	Development, validation and application of a generator for distortion product otoacoustic emissions. Applied Acoustics, 2016, 110, 137-144.	1.7	0
64	Opportunistic mobile air pollution monitoring: A case study with city wardens in Antwerp. Atmospheric Environment, 2016, 141, 408-421.	1.9	52
65	Acoustic stress responses in juvenile sea bass Dicentrarchus labrax induced by offshore pile driving. Environmental Pollution, 2016, 208, 747-757.	3.7	32
66	Structure-borne low-frequency noise from multi-span bridges: A prediction method and spatial distribution. Journal of Sound and Vibration, 2016, 367, 114-128.	2.1	36
67	View on outdoor vegetation reduces noise annoyance for dwellers near busy roads. Landscape and Urban Planning, 2016, 148, 203-215.	3.4	115
68	Effects of Offshore Wind Farms on the Early Life Stages of Dicentrarchus labrax. Advances in Experimental Medicine and Biology, 2016, 875, 197-204.	0.8	0
69	The effect of street canyon design on traffic noise exposure along roads. Building and Environment, 2016, 97, 96-110.	3.0	80
70	Dynamic noise mapping: A map-based interpolation between noise measurements with high temporal resolution. Applied Acoustics, 2016, 101, 127-140.	1.7	65
71	From Sonic Environment to Soundscape. , 2015, , 17-41.		15
72	Perceived Soundscapes and Health-Related Quality of Life, Context, Restoration, and Personal Characteristics: Case Studies. , 2015, , 89-131.		8

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73	Mapping of Soundscape. , 2015, , 161-195.		2
74	Simplified analytical model for sound level prediction at shielded urban locations involving multiple diffraction and reflections. Journal of the Acoustical Society of America, 2015, 138, 2744-2758.	0.5	1
75	Mobile monitoring for mapping spatial variation in urban air quality: Development and validation of a methodology based on an extensive dataset. Atmospheric Environment, 2015, 105, 148-161.	1.9	170
76	Using city-wide mobile noise assessments to estimate bicycle trip annual exposure to Black Carbon. Environment International, 2015, 83, 192-201.	4.8	20
77	The acoustic summary as a tool for representing urban sound environments. Landscape and Urban Planning, 2015, 144, 34-48.	3.4	16
78	Applicability of a noise-based model to estimate in-traffic exposure to black carbon and particle number concentrations in different cultures. Environment International, 2015, 74, 89-98.	4.8	32
79	Individual monitoring of hearing status: Development and validation of advanced techniques to measure otoacoustic emissions in suboptimal test conditions. Applied Acoustics, 2015, 89, 78-87.	1.7	10
80	Musician earplugs: Appreciation and protection. Noise and Health, 2015, 17, 198.	0.4	20
81	In Situ Mortality Experiments with Juvenile Sea Bass (Dicentrarchus labrax) in Relation to Impulsive Sound Levels Caused by Pile Driving of Windmill Foundations. PLoS ONE, 2014, 9, e109280.	1.1	12
82	Urban Background Noise Mapping: The General Model. Acta Acustica United With Acustica, 2014, 100, 1098-1111.	0.8	15
83	Long-term learning behavior in a recurrent neural network for sound recognition. , 2014, , .		3
84	Measurement network for urban noise assessment: Comparison of mobile measurements and spatial interpolation approaches. Applied Acoustics, 2014, 83, 32-39.	1.7	55
85	Multi-criteria anomaly detection in urban noise sensor networks. Environmental Sciences: Processes and Impacts, 2014, 16, 2249-2258.	1.7	7
86	Influence of rainfall on the noise shielding by a green roof. Building and Environment, 2014, 82, 1-8.	3.0	15
87	Airborne sound propagation over sea during offshore wind farm piling. Journal of the Acoustical Society of America, 2014, 135, 599-609.	0.5	5
88	A Model of Sound Scattering by Atmospheric Turbulence for Use in Noise Mapping Calculations. Acta Acustica United With Acustica, 2014, 100, 810-815.	0.8	5
89	Urban Background Noise Mapping: The Multiple-Reflection Correction Term. Acta Acustica United With Acustica, 2014, 100, 293-305.	0.8	4
90	Towards an Environmental Measurement Cloud: Delivering Pollution Awareness to the Public. International Journal of Distributed Sensor Networks, 2014, 10, 541360.	1.3	18

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91	Acoustical characteristics of trees, shrubs, and hedges. , 2014, , 79-90.		0
92	An instantaneous spatiotemporal model to predict a bicyclist's Black Carbon exposure based on mobile noise measurements. Atmospheric Environment, 2013, 79, 623-631.	1.9	30
93	Annoyance, detection and recognition of wind turbine noise. Science of the Total Environment, 2013, 456-457, 333-345.	3.9	59
94	A biologically inspired recurrent neural network for sound source recognition incorporating auditory attention. , 2013, , .		5
95	Hearing protection in industry: Companies' policy and workers' perception. International Journal of Industrial Ergonomics, 2013, 43, 512-517.	1.5	19
96	The potential of building envelope greening to achieve quietness. Building and Environment, 2013, 61, 34-44.	3.0	142
97	Characterizing the soundscape of tranquil urban spaces. Proceedings of Meetings on Acoustics, 2013, , .	0.3	1
98	Quantifying scattered sound energy from a single tree by means of reverberation time. Journal of the Acoustical Society of America, 2013, 134, 264-274.	0.5	18
99	Reverberation-based urban street sound level prediction. Journal of the Acoustical Society of America, 2013, 133, 3929-3939.	0.5	17
100	Sound absorption of porous substrates covered by foliage: Experimental results and numerical predictions. Journal of the Acoustical Society of America, 2013, 134, 4599-4609.	0.5	24
101	A computational model of auditory attention for use in soundscape research. Journal of the Acoustical Society of America, 2013, 134, 852-861.	0.5	40
102	Activity Interference Caused by Traffic Noise: Experimental Determination and Modeling of the Number of Noticed Sound Events. Acta Acustica United With Acustica, 2013, 99, 389-398.	0.8	8
103	Designing canopies to improve downwind shielding at various barrier configurations at short and long distance. Proceedings of Meetings on Acoustics, 2013, , .	0.3	1
104	Use of passive hearing protectors and adaptive noise reduction for field recording of otoacoustic emissions in industrial noise. Proceedings of Meetings on Acoustics, 2013, , .	0.3	1
105	Improved hearing conservation in industry: More efficient implementation of distortion product otoacoustic emissions for accurate hearing status monitoring. Proceedings of Meetings on Acoustics, 2013, , .	0.3	2
106	The internet of sound observatories. Proceedings of Meetings on Acoustics, 2013, , .	0.3	6
107	Mobile noise measurements as a proxy for BC exposure: spatiotemporal and spatial analysis. ISEE Conference Abstracts, 2013, 2013, 4363.	0.0	0
108	Multiagent-Based Data Fusion in Environmental Monitoring Networks. International Journal of Distributed Sensor Networks, 2012, 8, 324935.	1.3	10

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109	Focused Study on the Quiet Side Effect in Dwellings Highly Exposed to Road Traffic Noise. International Journal of Environmental Research and Public Health, 2012, 9, 4292-4310.	1.2	50
110	Reduction of Wind Turbine Noise Annoyance: An Operational Approach. Acta Acustica United With Acustica, 2012, 98, 392-401.	0.8	16
111	Interference of Speech and Interior Noise of Chinese High-Speed Trains with Task Performance. Acta Acustica United With Acustica, 2012, 98, 790-799.	0.8	5
112	Evolution of building faÃ§ade road traffic noise levels in Flanders. Journal of Environmental Monitoring, 2012, 14, 677.	2.1	9
113	On the choice between walls and berms for road traffic noise shielding including wind effects. Landscape and Urban Planning, 2012, 105, 199-210.	3.4	23
114	Attention-driven auditory stream segregation using a SOM coupled with an excitatory-inhibitory ANN. , 2012, , .		5
115	Effects of traffic signal coordination on noise and air pollutant emissions. Environmental Modelling and Software, 2012, 35, 74-83.	1.9	66
116	Road traffic noise shielding by vegetation belts of limited depth. Journal of Sound and Vibration, 2012, 331, 2404-2425.	2.1	145
117	On the ability of consumer electronics microphones for environmental noise monitoring. Journal of Environmental Monitoring, 2011, 13, 544-552.	2.1	38
118	Sampling approaches to predict urban street noise levels using fixed and temporary microphones. Journal of Environmental Monitoring, 2011, 13, 2710.	2.1	29
119	The Influence of Traffic Noise on Appreciation of the Living Quality of a Neighborhood. International Journal of Environmental Research and Public Health, 2011, 8, 777-798.	1.2	47
120	Estimating the Effect of Semi-Transparent Low-Height Road Traffic Noise Barriers with Ultra Weak Variational Formulation. Acta Acustica United With Acustica, 2011, 97, 391-402.	0.8	11
121	Towards Traffic Situation Noise Emission Models. Acta Acustica United With Acustica, 2011, 97, 900-903.	0.8	5
122	Relationship between road and railway noise annoyance and overall indoor sound exposure. Transportation Research, Part D: Transport and Environment, 2011, 16, 15-22.	3.2	25
123	Assessment of the impact of speed limit reduction and traffic signal coordination on vehicle emissions using an integrated approach. Transportation Research, Part D: Transport and Environment, 2011, 16, 504-508.	3.2	125
124	Correlation analysis of noise and ultrafine particle counts in a street canyon. Science of the Total Environment, 2011, 409, 564-572.	3.9	57
125	Using room acoustical parameters for evaluating the quality of urban squares for open-air rock concerts. Applied Acoustics, 2011, 72, 210-220.	1.7	11
126	In-situ measurements of sound propagating over extensive green roofs. Building and Environment, 2011, 46, 729-738.	3.0	112

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127	Genetic learning of fuzzy integrals accumulating human-reported environmental stress. Applied Soft Computing Journal, 2011, 11, 305-314.	4.1	5
128	Effects of natural sounds on the perception of road traffic noise. Journal of the Acoustical Society of America, 2011, 129, EL148-EL153.	0.5	133
129	Speech recognition in noise with active and passive hearing protectors: A comparative study. Journal of the Acoustical Society of America, 2011, 129, 3702-3715.	0.5	12
130	Cardiovascular effects of environmental noise: Research in Austria. Noise and Health, 2011, 13, 234.	0.4	48
131	Digital Filters for Accurately Verifying the Performance of Hearing Protectors in Use. Acta Acustica United With Acustica, 2010, 96, 168-178.	0.8	1
132	Traffic noise spectrum analysis: Dynamic modeling vs. experimental observations. Applied Acoustics, 2010, 71, 764-770.	1.7	101
133	The importance of roof shape for road traffic noise shielding in the urban environment. Journal of Sound and Vibration, 2010, 329, 1422-1434.	2.1	39
134	The effects of railway noise on sleep medication intake: Results from the ALPNAP-study. Noise and Health, 2010, 12, 110.	0.4	30
135	Context-dependent environmental sound monitoring using SOM coupled with LEGION. , 2010, , .		11
136	Meteorological influence on sound propagation between adjacent city canyons: A real-life experiment. Journal of the Acoustical Society of America, 2010, 127, 3335-3346.	0.5	9
137	Verifying the attenuation of earplugsin situ: Method validation on human subjects including individualized numerical simulations. Journal of the Acoustical Society of America, 2009, 125, 1479-1489.	0.5	6
138	Reducing the acoustical façade load from road traffic with green roofs. Building and Environment, 2009, 44, 1081-1087.	3.0	165
139	A model for the perception of environmental sound based on notice-events. Journal of the Acoustical Society of America, 2009, 126, 656-665.	0.5	76
140	Numerical evaluation of sound propagating over green roofs. Journal of Sound and Vibration, 2008, 317, 781-799.	2.1	82
141	Verifying the attenuation of earplugs in situ: Method validation using artificial head and numerical simulations. Journal of the Acoustical Society of America, 2008, 124, 973-981.	0.5	8
142	Clustering outdoor soundscapes using fuzzy ants. , 2008, , .		6
143	Numerical evaluation of tree canopy shape near noise barriers to improve downwind shielding. Journal of the Acoustical Society of America, 2008, 123, 648-657.	0.5	12
144	A model for long-term environmental sound detection. , 2008, , .		5

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145	Comparison of measurements and predictions of sound propagation in a valley-slope configuration in an inhomogeneous atmosphere. Journal of the Acoustical Society of America, 2007, 121, 2522-2533.	0.5	30
146	The Rhythm of the Urban Soundscape. Noise and Vibration Worldwide, 2007, 38, 11-17.	0.4	7
147	Prediction-step staggered-in-time FDTD: An efficient numerical scheme to solve the linearised equations of fluid dynamics in outdoor sound propagation. Applied Acoustics, 2007, 68, 201-216.	1.7	31
148	Parameter study of sound propagation between city canyons with a coupled FDTD-PE model. Applied Acoustics, 2006, 67, 487-510.	1.7	83
149	The temporal structure of urban soundscapes. Journal of Sound and Vibration, 2006, 292, 105-123.	2.1	112
150	Fuzzy Integrals as a Tool for Obtaining an Indicator for Quality of Life. , 2006, , .		2
151	The influence of traffic flow dynamics on urban soundscapes. Applied Acoustics, 2005, 66, 175-194.	1.7	83
152	Soft-computing base analyses of the relationship between annoyance and coping with noise and odor. Journal of the Acoustical Society of America, 2004, 115, 2974-2985.	0.5	25
153	Noise Annoyance Mapping. , 2004, , 369-392.		0
154	A fuzzy rule based framework for noise annoyance modeling. Journal of the Acoustical Society of America, 2003, 114, 1487-1498.	0.5	39
155	Implementation and Evaluation of a Course Concept Based on Reusable Learning Objects. Journal of Educational Computing Research, 2003, 28, 355-372.	3.6	14
156	Noise limits: A fuzzy set theoretical approach. Noise Control Engineering Journal, 2003, 51, 306.	0.2	0
157	Uncertainty in Noise Mapping: Comparing a Probabilistic and a Fuzzy Set Approach. Lecture Notes in Computer Science, 2003, , 229-236.	1.0	3
158	Fuzzy models for accumulation of reported community noise annoyance from combined sources. Journal of the Acoustical Society of America, 2002, 112, 1496-1508.	0.5	43
159	ANNOYANCE PREDICTION WITH FUZZY RULE BASES. , 2002, , .		1
160	Acoustical finite-difference time-domain simulations of subwavelength geometries. Journal of the Acoustical Society of America, 1998, 104, 1171-1177.	0.5	4
161	Vorticity and entropy boundary conditions for acoustical finite-difference time-domain simulations. Journal of the Acoustical Society of America, 1997, 102, 170-178.	0.5	14
162	Time-domain simulation of the influence of close barriers on sound propagation to the environment. Journal of the Acoustical Society of America, 1997, 101, 1278-1285.	0.5	3

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163	Numerical model for moderately nonlinear sound propagation in three‐dimensional structures. Journal of the Acoustical Society of America, 1996, 100, 1357-1367.	0.5	11
164	Finite‐difference time‐domain simulation of low‐frequency room acoustic problems. Journal of the Acoustical Society of America, 1995, 98, 3302-3308.	0.5	266
165	Acoustical finite‐difference time‐domain simulation in a quasi‐Cartesian grid. Journal of the Acoustical Society of America, 1994, 95, 2313-2319.	0.5	111
166	A new acoustical mass meter: Simulation results agauD. Botteldooren. Applied Acoustics, 1994, 42, 1-11.	1.7	0
167	Feasibility Study of Active Control of Noise Perceived by Operators of Large Agricultural Machines. Noise Control Engineering Journal, 1993, 40, 221.	0.2	0
168	Influence of band‐gap shrinkage on the carrier‐induced refractive index change in InGaAsP. Applied Physics Letters, 1989, 54, 1989-1991.	1.5	27
169	Fuzzy modeling of traffic noise annoyance. , 0, , .		3
170	Towards language independent models based on survey data. , 0, , .		0
171	An iterative fuzzy model for cognitive processes involved in environment quality judgement. , 0, , .		6
172	With No Attention Specifically Directed to It, Rhythmic Sound Does Not Automatically Facilitate Visual Task Performance. Frontiers in Psychology, 0, 13, .	1.1	1