

# Dick Botteldooren

## List of Publications by Year in descending order

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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	Ten questions on the soundscapes of the built environment. <i>Building and Environment</i> , 2016, 108, 284-294.	3.0	273
2	Finite-difference time-domain simulation of low-frequency room acoustic problems. <i>Journal of the Acoustical Society of America</i> , 1995, 98, 3302-3308.	0.5	266
3	Mobile monitoring for mapping spatial variation in urban air quality: Development and validation of a methodology based on an extensive dataset. <i>Atmospheric Environment</i> , 2015, 105, 148-161.	1.9	170
4	Reducing the acoustical facade load from road traffic with green roofs. <i>Building and Environment</i> , 2009, 44, 1081-1087.	3.0	165
5	Road traffic noise shielding by vegetation belts of limited depth. <i>Journal of Sound and Vibration</i> , 2012, 331, 2404-2425.	2.1	145
6	The potential of building envelope greening to achieve quietness. <i>Building and Environment</i> , 2013, 61, 34-44.	3.0	142
7	Effects of natural sounds on the perception of road traffic noise. <i>Journal of the Acoustical Society of America</i> , 2011, 129, EL148-EL153.	0.5	133
8	Assessment of the impact of speed limit reduction and traffic signal coordination on vehicle emissions using an integrated approach. <i>Transportation Research, Part D: Transport and Environment</i> , 2011, 16, 504-508.	3.2	125
9	Using Virtual Reality for assessing the role of noise in the audio-visual design of an urban public space. <i>Landscape and Urban Planning</i> , 2017, 167, 98-107.	3.4	118
10	View on outdoor vegetation reduces noise annoyance for dwellers near busy roads. <i>Landscape and Urban Planning</i> , 2016, 148, 203-215.	3.4	115
11	The temporal structure of urban soundscapes. <i>Journal of Sound and Vibration</i> , 2006, 292, 105-123.	2.1	112
12	In-situ measurements of sound propagating over extensive green roofs. <i>Building and Environment</i> , 2011, 46, 729-738.	3.0	112
13	Acoustical finite-difference time-domain simulation in a quasi-Cartesian grid. <i>Journal of the Acoustical Society of America</i> , 1994, 95, 2313-2319.	0.5	111
14	Traffic noise spectrum analysis: Dynamic modeling vs. experimental observations. <i>Applied Acoustics</i> , 2010, 71, 764-770.	1.7	101
15	The influence of traffic flow dynamics on urban soundscapes. <i>Applied Acoustics</i> , 2005, 66, 175-194.	1.7	83
16	Parameter study of sound propagation between city canyons with a coupled FDTD-PE model. <i>Applied Acoustics</i> , 2006, 67, 487-510.	1.7	83
17	Numerical evaluation of sound propagating over green roofs. <i>Journal of Sound and Vibration</i> , 2008, 317, 781-799.	2.1	82
18	The effect of street canyon design on traffic noise exposure along roads. <i>Building and Environment</i> , 2016, 97, 96-110.	3.0	80

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19	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
20	Effects of traffic signal coordination on noise and air pollutant emissions. Environmental Modelling and Software, 2012, 35, 74-83.	1.9	66
21	Dynamic noise mapping: A map-based interpolation between noise measurements with high temporal resolution. Applied Acoustics, 2016, 101, 127-140.	1.7	65
22	Annoyance, detection and recognition of wind turbine noise. Science of the Total Environment, 2013, 456-457, 333-345.	3.9	59
23	Correlation analysis of noise and ultrafine particle counts in a street canyon. Science of the Total Environment, 2011, 409, 564-572.	3.9	57
24	Measurement network for urban noise assessment: Comparison of mobile measurements and spatial interpolation approaches. Applied Acoustics, 2014, 83, 32-39.	1.7	55
25	Interactive soundscape augmentation by natural sounds in a noise polluted urban park. Landscape and Urban Planning, 2020, 194, 103705.	3.4	54
26	Opportunistic mobile air pollution monitoring: A case study with city wardens in Antwerp. Atmospheric Environment, 2016, 141, 408-421.	1.9	52
27	Classification of soundscapes of urban public open spaces. Landscape and Urban Planning, 2019, 189, 139-155.	3.4	52
28	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
29	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
30	Cardiovascular effects of environmental noise: Research in Austria. Noise and Health, 2011, 13, 234.	0.4	48
31	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
32	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
33	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
34	Effect of interaction between attention focusing capability and visual factors on road traffic noise annoyance. Applied Acoustics, 2018, 134, 16-24.	1.7	43
35	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
36	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

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37	A computational model of auditory attention for use in soundscape research. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 852-861.	0.5	40
38	A fuzzy rule based framework for noise annoyance modeling. <i>Journal of the Acoustical Society of America</i> , 2003, 114, 1487-1498.	0.5	39
39	The importance of roof shape for road traffic noise shielding in the urban environment. <i>Journal of Sound and Vibration</i> , 2010, 329, 1422-1434.	2.1	39
40	Monitoring Sound Levels and Soundscape Quality in the Living Rooms of Nursing Homes: A Case Study in Flanders (Belgium). <i>Applied Sciences (Switzerland)</i> , 2017, 7, 874.	1.3	39
41	On the ability of consumer electronics microphones for environmental noise monitoring. <i>Journal of Environmental Monitoring</i> , 2011, 13, 544-552.	2.1	38
42	Does cycling infrastructure reduce stress biomarkers in commuting cyclists? A comparison of five European cities. <i>Journal of Transport Geography</i> , 2020, 88, 102830.	2.3	38
43	Structure-borne low-frequency noise from multi-span bridges: A prediction method and spatial distribution. <i>Journal of Sound and Vibration</i> , 2016, 367, 114-128.	2.1	36
44	Applicability of a noise-based model to estimate in-traffic exposure to black carbon and particle number concentrations in different cultures. <i>Environment International</i> , 2015, 74, 89-98.	4.8	32
45	Acoustic stress responses in juvenile sea bass <i>Dicentrarchus labrax</i> induced by offshore pile driving. <i>Environmental Pollution</i> , 2016, 208, 747-757.	3.7	32
46	Prediction-step staggered-in-time FDTD: An efficient numerical scheme to solve the linearised equations of fluid dynamics in outdoor sound propagation. <i>Applied Acoustics</i> , 2007, 68, 201-216.	1.7	31
47	Comparison of measurements and predictions of sound propagation in a valley-slope configuration in an inhomogeneous atmosphere. <i>Journal of the Acoustical Society of America</i> , 2007, 121, 2522-2533.	0.5	30
48	The effects of railway noise on sleep medication intake: Results from the ALPNAP-study. <i>Noise and Health</i> , 2010, 12, 110.	0.4	30
49	An instantaneous spatiotemporal model to predict a bicyclist's Black Carbon exposure based on mobile noise measurements. <i>Atmospheric Environment</i> , 2013, 79, 623-631.	1.9	30
50	The Personal Viewpoint on the Meaning of Tranquility Affects the Appraisal of the Urban Park Soundscape. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 91.	1.3	30
51	Sampling approaches to predict urban street noise levels using fixed and temporary microphones. <i>Journal of Environmental Monitoring</i> , 2011, 13, 2710.	2.1	29
52	Awareness of "sound"™ in nursing homes: A large-scale soundscape survey in Flanders (Belgium). <i>Building Acoustics</i> , 2018, 25, 43-59.	1.1	29
53	Personal Audiovisual Aptitude Influences the Interaction Between Landscape and Soundscape Appraisal. <i>Frontiers in Psychology</i> , 2018, 9, 780.	1.1	28
54	Noise environments in nursing homes: An overview of the literature and a case study in Flanders with quantitative and qualitative methods. <i>Applied Acoustics</i> , 2020, 159, 107103.	1.7	28

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55	Influence of bandâ€gap shrinkage on the carrierâ€induced refractive index change in InGaAsP. Applied Physics Letters, 1989, 54, 1989-1991.	1.5	27
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	The Influence of Noise, Vibration, Cycle Paths, and Period of Day on Stress Experienced by Cyclists. Sustainability, 2018, 10, 2379.	1.6	23
64	Computational modeling of a single-element transcranial focused ultrasound transducer for subthalamic nucleus stimulation. Journal of Neural Engineering, 2019, 16, 026015.	1.8	23
65	Using city-wide mobile noise assessments to estimate bicycle trip annual exposure to Black Carbon. Environment International, 2015, 83, 192-201.	4.8	20
66	Musician earplugs: Appreciation and protection. Noise and Health, 2015, 17, 198.	0.4	20
67	Hearing protection in industry: Companies' policy and workers' perception. International Journal of Industrial Ergonomics, 2013, 43, 512-517.	1.5	19
68	The future of urban sound environments: Impacting mobility trends and insights for noise assessment and mitigation. Applied Acoustics, 2020, 170, 107518.	1.7	19
69	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
70	Designing Supportive Soundscapes for Nursing Home Residents with Dementia. International Journal of Environmental Research and Public Health, 2019, 16, 4904.	1.2	18
71	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
72	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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73	Reverberation-based urban street sound level prediction. <i>Journal of the Acoustical Society of America</i> , 2013, 133, 3929-3939.	0.5	17
74	Reduction of Wind Turbine Noise Annoyance: An Operational Approach. <i>Acta Acustica United With Acustica</i> , 2012, 98, 392-401.	0.8	16
75	The acoustic summary as a tool for representing urban sound environments. <i>Landscape and Urban Planning</i> , 2015, 144, 34-48.	3.4	16
76	Urban Background Noise Mapping: The General Model. <i>Acta Acustica United With Acustica</i> , 2014, 100, 1098-1111.	0.8	15
77	Influence of rainfall on the noise shielding by a green roof. <i>Building and Environment</i> , 2014, 82, 1-8.	3.0	15
78	From Sonic Environment to Soundscape. , 2015, , 17-41.		15
79	Global and Continuous Pleasantness Estimation of the Soundscape Perceived during Walking Trips through Urban Environments. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 144.	1.3	15
80	Sound absorption by tree bark. <i>Applied Acoustics</i> , 2020, 165, 107328.	1.7	15
81	Vorticity and entropy boundary conditions for acoustical finite-difference time-domain simulations. <i>Journal of the Acoustical Society of America</i> , 1997, 102, 170-178.	0.5	14
82	Implementation and Evaluation of a Course Concept Based on Reusable Learning Objects. <i>Journal of Educational Computing Research</i> , 2003, 28, 355-372.	3.6	14
83	Early environmental quality and life-course mental health effects: The Equal-Life project. <i>Environmental Epidemiology</i> , 2022, 6, e183.	1.4	13
84	Numerical evaluation of tree canopy shape near noise barriers to improve downwind shielding. <i>Journal of the Acoustical Society of America</i> , 2008, 123, 648-657.	0.5	12
85	Speech recognition in noise with active and passive hearing protectors: A comparative study. <i>Journal of the Acoustical Society of America</i> , 2011, 129, 3702-3715.	0.5	12
86	In Situ Mortality Experiments with Juvenile Sea Bass ( <i>Dicentrarchus labrax</i> ) in Relation to Impulsive Sound Levels Caused by Pile Driving of Windmill Foundations. <i>PLoS ONE</i> , 2014, 9, e109280.	1.1	12
87	Detection of road pavement quality using statistical clustering methods. <i>Journal of Intelligent Information Systems</i> , 2020, 54, 483-499.	2.8	12
88	Central auditory processing in parkinsonian disorders: A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 113, 111-132.	2.9	12
89	Multi-stage sound planning methodology for urban redevelopment. <i>Sustainable Cities and Society</i> , 2020, 62, 102362.	5.1	12
90	Numerical model for moderately nonlinear sound propagation in three-dimensional structures. <i>Journal of the Acoustical Society of America</i> , 1996, 100, 1357-1367.	0.5	11

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91	Context-dependent environmental sound monitoring using SOM coupled with LEGION. , 2010, , .		11
92	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
93	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
94	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
95	Multiagent-Based Data Fusion in Environmental Monitoring Networks. International Journal of Distributed Sensor Networks, 2012, 8, 324935.	1.3	10
96	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
97	Measurement-based auralization methodology for the assessment of noise mitigation measures. Journal of Sound and Vibration, 2016, 379, 232-244.	2.1	10
98	Landscaping for road traffic noise abatement: Model validation. Environmental Modelling and Software, 2018, 109, 17-31.	1.9	10
99	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
100	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
101	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
102	Evolution of building façade road traffic noise levels in Flanders. Journal of Environmental Monitoring, 2012, 14, 677.	2.1	9
103	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
104	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
105	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
106	Perceived Soundscapes and Health-Related Quality of Life, Context, Restoration, and Personal Characteristics: Case Studies. , 2015, , 89-131.		8
107	Changes in the Soundscape of the Public Space Close to a Highway by a Noise Control Intervention. Sustainability, 2021, 13, 5284.	1.6	8
108	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

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109	The Rhythm of the Urban Soundscape. <i>Noise and Vibration Worldwide</i> , 2007, 38, 11-17.	0.4	7
110	Multi-criteria anomaly detection in urban noise sensor networks. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 2249-2258.	1.7	7
111	The Soundscape Hackathon as a Methodology to Accelerate Co-Creation of the Urban Public Space. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1932.	1.3	7
112	An iterative fuzzy model for cognitive processes involved in environment quality judgement. , 0, , .		6
113	Clustering outdoor soundscapes using fuzzy ants. , 2008, , .		6
114	Verifying the attenuation of earplugs in situ: Method validation on human subjects including individualized numerical simulations. <i>Journal of the Acoustical Society of America</i> , 2009, 125, 1479-1489.	0.5	6
115	The internet of sound observatories. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	6
116	Machine Listening for Park Soundscape Quality Assessment. <i>Acta Acustica United With Acustica</i> , 2018, 104, 121-130.	0.8	6
117	Mobile phones: A trade-off between speech intelligibility and exposure to noise levels and to radio-frequency electromagnetic fields. <i>Environmental Research</i> , 2019, 175, 1-10.	3.7	6
118	EEG Correlates of Learning From Speech Presented in Environmental Noise. <i>Frontiers in Psychology</i> , 2020, 11, 1850.	1.1	6
119	Application of a Prediction Model for Ambient Noise Levels and Acoustical Capacity for Living Rooms in Nursing Homes Hosting Older People with Dementia. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4205.	1.3	6
120	A model for long-term environmental sound detection. , 2008, , .		5
121	Towards Traffic Situation Noise Emission Models. <i>Acta Acustica United With Acustica</i> , 2011, 97, 900-903.	0.8	5
122	Genetic learning of fuzzy integrals accumulating human-reported environmental stress. <i>Applied Soft Computing Journal</i> , 2011, 11, 305-314.	4.1	5
123	Interference of Speech and Interior Noise of Chinese High-Speed Trains with Task Performance. <i>Acta Acustica United With Acustica</i> , 2012, 98, 790-799.	0.8	5
124	Attention-driven auditory stream segregation using a SOM coupled with an excitatory-inhibitory ANN. , 2012, , .		5
125	A biologically inspired recurrent neural network for sound source recognition incorporating auditory attention. , 2013, , .		5
126	Airborne sound propagation over sea during offshore wind farm piling. <i>Journal of the Acoustical Society of America</i> , 2014, 135, 599-609.	0.5	5

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127	A Model of Sound Scattering by Atmospheric Turbulence for Use in Noise Mapping Calculations. <i>Acta Acustica United With Acustica</i> , 2014, 100, 810-815.	0.8	5
128	On the array configuration and accuracy of remote in-ear level sensing for in-vehicle noise control applications. <i>Applied Acoustics</i> , 2018, 129, 229-238.	1.7	5
129	Probabilistic Modelling of the Temporal Variability of Urban Sound Levels. <i>Acta Acustica United With Acustica</i> , 2018, 104, 94-105.	0.8	5
130	Acoustical finite-difference time-domain simulations of subwavelength geometries. <i>Journal of the Acoustical Society of America</i> , 1998, 104, 1171-1177.	0.5	4
131	Urban Background Noise Mapping: The Multiple-Reflection Correction Term. <i>Acta Acustica United With Acustica</i> , 2014, 100, 293-305.	0.8	4
132	Field Monitoring of Otoacoustic Emissions During Noise Exposure: Pilot Study in Controlled Environment. <i>American Journal of Audiology</i> , 2017, 26, 352-368.	0.5	4
133	Future Perspectives on the Relevance of Auditory Markers in Prodromal Parkinson's Disease. <i>Frontiers in Neurology</i> , 2020, 11, 689.	1.1	4
134	Neurophysiological investigation of auditory intensity dependence in patients with Parkinson's disease. <i>Journal of Neural Transmission</i> , 2021, 128, 345-356.	1.4	4
135	Design Considerations for Robust Noise Rejection in Otoacoustic Emissions Measured In-Field Using Adaptive Filtering. <i>Acta Acustica United With Acustica</i> , 2017, 103, 299-310.	0.8	4
136	Urban Sound Planning. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2018, , 1-22.	0.2	4
137	Time-domain simulation of the influence of close barriers on sound propagation to the environment. <i>Journal of the Acoustical Society of America</i> , 1997, 101, 1278-1285.	0.5	3
138	Fuzzy modeling of traffic noise annoyance. , 0, , .		3
139	Long-term learning behavior in a recurrent neural network for sound recognition. , 2014, , .		3
140	Extending Participatory Sensing to Personal Exposure Using Microscopic Land Use Regression Models. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 586.	1.2	3
141	The Effect of Parkinson's Disease on Otoacoustic Emissions and Efferent Suppression of Transient Evoked Otoacoustic Emissions. <i>Journal of Speech, Language, and Hearing Research</i> , 2021, 64, 1354-1368.	0.7	3
142	Measuring infrasound outdoors with a focus on wind turbines: the benefits of a wind-shielding dome. <i>Applied Acoustics</i> , 2021, 178, 108015.	1.7	3
143	Uncertainty in Noise Mapping: Comparing a Probabilistic and a Fuzzy Set Approach. <i>Lecture Notes in Computer Science</i> , 2003, , 229-236.	1.0	3
144	Modifying and co-creating the urban soundscape through digital technologies. <i>SÃ©rie Cultura E TerritÃ³rio</i> , 2020, , 185-200.	0.1	3

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145	A scalable, self-supervised calibration and confounder removal model for opportunistic monitoring of road degradation. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2022, 37, 1703-1720.	6.3	3
146	Influence of atmospheric conditions on measured infrasound from wind turbines. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2022, 225, 105021.	1.7	3
147	Fuzzy Integrals as a Tool for Obtaining an Indicator for Quality of Life. , 2006, , .		2
148	Improved hearing conservation in industry: More efficient implementation of distortion product otoacoustic emissions for accurate hearing status monitoring. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	2
149	Mapping of Soundscape. , 2015, , 161-195.		2
150	Analysis of probe fitting stimulus properties on transient evoked otoacoustic emissions. <i>International Journal of Audiology</i> , 2020, 59, 45-53.	0.9	2
151	Getting insight in the performance of noise interventions by mobile sound level measurements. <i>Applied Acoustics</i> , 2022, 185, 108385.	1.7	2
152	Parkinson's disease affects the neural alpha oscillations associated with speech-in-noise processing. <i>European Journal of Neuroscience</i> , 2021, 54, 7355-7376.	1.2	2
153	ANNOYANCE PREDICTION WITH FUZZY RULE BASES. , 2002, , .		1
154	Digital Filters for Accurately Verifying the Performance of Hearing Protectors in Use. <i>Acta Acustica United With Acustica</i> , 2010, 96, 168-178.	0.8	1
155	Characterizing the soundscape of tranquil urban spaces. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	1
156	Designing canopies to improve downwind shielding at various barrier configurations at short and long distance. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	1
157	Use of passive hearing protectors and adaptive noise reduction for field recording of otoacoustic emissions in industrial noise. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	1
158	Simplified analytical model for sound level prediction at shielded urban locations involving multiple diffraction and reflections. <i>Journal of the Acoustical Society of America</i> , 2015, 138, 2744-2758.	0.5	1
159	Design of a microphone array for near-field conferencing applications. <i>Proceedings of Meetings on Acoustics</i> , 2017, , .	0.3	1
160	Presenting and processing information in background noise: A combined speaker-listener perspective. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 210-218.	0.5	1
161	Evaluation of multi-feature auditory deviance detection in Parkinson's disease: a mismatch negativity study. <i>Journal of Neural Transmission</i> , 2021, 128, 645-657.	1.4	1
162	Rule-Embedded Network for Audio-Visual Voice Activity Detection in Live Musical Video Streams. , 2021, , .		1

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163	With No Attention Specifically Directed to It, Rhythmic Sound Does Not Automatically Facilitate Visual Task Performance. <i>Frontiers in Psychology</i> , 0, 13, .	1.1	1
164	Feasibility Study of Active Control of Noise Perceived by Operators of Large Agricultural Machines. <i>Noise Control Engineering Journal</i> , 1993, 40, 221.	0.2	0
165	A new acoustical mass meter: Simulation results agauD. Botteldooren. <i>Applied Acoustics</i> , 1994, 42, 1-11.	1.7	0
166	Towards language independent models based on survey data. , 0, , .		0
167	Noise limits: A fuzzy set theoretical approach. <i>Noise Control Engineering Journal</i> , 2003, 51, 306.	0.2	0
168	Development, validation and application of a generator for distortion product otoacoustic emissions. <i>Applied Acoustics</i> , 2016, 110, 137-144.	1.7	0
169	Effects of Offshore Wind Farms on the Early Life Stages of <i>Dicentrarchus labrax</i> . <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 197-204.	0.8	0
170	Noise Annoyance Mapping. , 2004, , 369-392.		0
171	Mobile noise measurements as a proxy for BC exposure: spatiotemporal and spatial analysis. <i>ISEE Conference Abstracts</i> , 2013, 2013, 4363.	0.0	0
172	Acoustical characteristics of trees, shrubs, and hedges. , 2014, , 79-90.		0