Pierre Aumond

List of Publications by Year
in descending order

32 papers	841 citations	687220 13 h-index	501076 28 g-index
34 all docs	34 docs citations	34 times ranked	829 citing authors

#	Article	IF	Citations
1	Overview of the Meso-NH model version 5.4 and its applications. Geoscientific Model Development, 2018, 11, 1929-1969.	1.3	194
2	An open-science crowdsourcing approach for producing community noise maps using smartphones. Building and Environment, 2019, 148, 20-33.	3.0	81
3	Estimation of road traffic noise emissions: The influence of speed and acceleration. Transportation Research, Part D: Transport and Environment, 2018, 58, 155-171.	3.2	59
4	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
5	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
6	Sound quality indicators for urban places in Paris cross-validated by Milan data. Journal of the Acoustical Society of America, 2015, 138, 2337-2348.	0.5	46
7	A Taxonomy Proposal for the Assessment of the Changes in Soundscape Resulting from the COVID-19 Lockdown. International Journal of Environmental Research and Public Health, 2020, 17, 4205.	1.2	46
8	A study of the accuracy of mobile technology for measuring urban noise pollution in large scale participatory sensing campaigns. Applied Acoustics, 2017, 117, 219-226.	1.7	40
9	Including the Drag Effects of Canopies: Real Case Large-Eddy Simulation Studies. Boundary-Layer Meteorology, 2013, 146, 65-80.	1.2	38
10	The future of urban sound environments: Impacting mobility trends and insights for noise assessment and mitigation. Applied Acoustics, 2020, 170, 107518.	1.7	19
11	Probabilistic modeling framework for multisource sound mapping. Applied Acoustics, 2018, 139, 34-43.	1.7	18
12	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
13	Global and Continuous Pleasantness Estimation of the Soundscape Perceived during Walking Trips through Urban Environments. Applied Sciences (Switzerland), 2017, 7, 144.	1.3	15
14	Open-source modeling chain for the dynamic assessment of road traffic noise exposure. Transportation Research, Part D: Transport and Environment, 2021, 94, 102793.	3.2	15
15	Multidimensional analyses of the noise impacts of COVID-19 lockdown. Journal of the Acoustical Society of America, 2022, 151, 911-923.	0.5	14
16	Statistical requirements for noise mapping based on mobile measurements using bikes. Applied Acoustics, 2019, 156, 271-278.	1.7	13
17	Global sensitivity analysis for road traffic noise modelling. Applied Acoustics, 2021, 176, 107899.	1.7	13
18	Application of the transmission line matrix method for outdoor sound propagation modelling â€“ Part 1: Model presentation and evaluation. Applied Acoustics, 2014, 76, 113-118.	1.7	12

#	Article	IF	Citations
19	Urban soundscape maps modelled with geo-referenced data. Noise Mapping, 2016, 3, .	0.7	12
20	Method for in situ acoustic calibration of smartphone-based sound measurement applications. Applied Acoustics, 2020, 166, 107337.	1.7	12
21	A Smartphone-Based Crowd-Sourced Database for Environmental Noise Assessment. International Journal of Environmental Research and Public Health, 2021, 18, 7777.	1.2	12
22	Statistical study of the relationships between mobile and fixed stations measurements in urban environment. Building and Environment, 2019, 149, 404-414.	3.0	10
23	An Efficient Audio Coding Scheme for Quantitative and Qualitative Large Scale Acoustic Monitoring Using the Sensor Grid Approach. Sensors, 2017, 17, 2758.	2.1	9
24	Estimation of the Perceived Time of Presence of Sources in Urban Acoustic Environments Using Deep Learning Techniques. Acta Acustica United With Acustica, 2019, 105, 1053-1066.	0.8	9
25	Data assimilation for urban noise mapping with a meta-model. Applied Acoustics, 2021, 178, 107938.	1.7	8
26	Meta-modeling for urban noise mapping. Journal of the Acoustical Society of America, 2020, 148, 3671-3681.	0.5	8
27	Application of the Transmission Line Matrix method for outdoor sound propagation modelling â€“ Part 2: Experimental validation using meteorological data derived from the meso-scale model Meso-NH. Applied Acoustics, 2014, 76, 107-112.	1.7	6
28	NoiseCapture smartphone application as pedagogical support for education and public awareness. Journal of the Acoustical Society of America, 2022, 151, 3255-3265.	0.5	6
29	Probabilistic Modelling of the Temporal Variability of Urban Sound Levels. Acta Acustica United With Acustica, 2018, 104, 94-105.	0.8	5
30	Variability in sound power levels: Implications for static and dynamic traffic models. Transportation Research, Part D: Transport and Environment, 2020, 84, 102339.	3.2	5
31	Cartographic Representation of Soundscape: Proposals and Assessment. Geotechnologies and the Environment, 2017, , 27-51.	0.3	1
32	Inverse modeling and joint state-parameter estimation with a noise mapping meta-model. Journal of the Acoustical Society of America, 2021, 149, 3961-3974.	0.5	0