

# Luigi Maffei

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57  
papers

957  
citations

17  
h-index

29  
g-index

65  
ext. papers

1,162  
ext. citations

3.2  
avg. IF

4.37  
L-index

#	Paper	IF	Citations
57	Field Performance of HVAC System Under Healthy and Faulty Conditions During the Summer: Preliminary Development of a Simulation Model Based on Artificial Neural Networks. <i>Smart Innovation, Systems and Technologies</i> , <b>2022</b> , 183-196	0.5	0
56	Virtual Reality Overhead Crane Simulator. <i>Procedia Computer Science</i> , <b>2022</b> , 200, 205-215	1.6	0
55	Spaces for relaxing, spaces for recharging: How parks affect people's emotions. <i>Journal of Environmental Psychology</i> , <b>2022</b> , 81, 101809	6.7	1
54	Exploring the soundscape and the atmosphere of the Gigli di Nola cultural festival in Italy. <i>Emotion, Space and Society</i> , <b>2021</b> , 41, 100848	1.2	
53	Intercultural Differences in the Perception of HVAC Sound Quality in Car Cabins: From Conventional to Electric Vehicles. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 11431	2.6	
52	The Restorativeness of Outdoor Historical Sites in Urban Areas: Physical and Perceptual Correlations. <i>Sustainability</i> , <b>2021</b> , 13, 5603	3.6	4
51	Auditory and visual impact of split systems on the façade of historical buildings. <i>Applied Acoustics</i> , <b>2021</b> , 178, 107997	3.1	0
50	Sound Water Masking to Match a Waterfront Soundscape with the Users' Expectations: The Case Study of the Seafont in Naples, Italy. <i>Sustainability</i> , <b>2021</b> , 13, 371	3.6	2
49	Effects of Evocative Audio-Visual Installations on the Restorativeness in Urban Parks. <i>Sustainability</i> , <b>2021</b> , 13, 8328	3.6	5
48	Healthy and Faulty Experimental Performance of a Typical HVAC System under Italian Climatic Conditions: Artificial Neural Network-Based Model and Fault Impact Assessment. <i>Energies</i> , <b>2021</b> , 14, 5362	3.1	2
47	A questionnaire investigating the emotional salience of sounds. <i>Applied Acoustics</i> , <b>2021</b> , 182, 108281	3.1	2
46	Examining the Associations between Oases Soundscape Components and Walking Speed: Correlation or Causation?. <i>Sustainability</i> , <b>2020</b> , 12, 4619	3.6	6
45	The Influence of Personality Traits on the Measure of Restorativeness in an Urban Park: A Multisensory Immersive Virtual Reality Study. <i>Smart Innovation, Systems and Technologies</i> , <b>2020</b> , 347-357 <sup>0.5</sup>		4
44	Virtual Reality for Smart Urban Lighting Design: Review, Applications and Opportunities. <i>Energies</i> , <b>2020</b> , 13, 3809	3.1	17
43	Experimental Calibration and Validation of a Simulation Model for Fault Detection of HVAC Systems and Application to a Case Study. <i>Energies</i> , <b>2020</b> , 13, 3948	3.1	7
42	Electric-driven windows for historical buildings retrofit: Energy and visual sensitivity analysis for different control logics. <i>Journal of Building Engineering</i> , <b>2020</b> , 31, 101398	5.2	12
41	Historical Cloisters and Courtyards as Quiet Areas. <i>Sustainability</i> , <b>2020</b> , 12, 2887	3.6	7

40	Representation of the soundscape quality in urban areas through colours. <i>Noise Mapping</i> , <b>2019</b> , 6, 8-21	4.8	11
39	The experience of virtual reality: are individual differences in mental imagery associated with sense of presence?. <i>Cognitive Processing</i> , <b>2019</b> , 20, 291-298	1.5	28
38	A demonstrator tool of web-based virtual reality for participatory evaluation of urban sound environment. <i>Landscape and Urban Planning</i> , <b>2018</b> , 170, 276-282	7.7	18
37	How do shared-street design and traffic restriction improve urban soundscape and human experience? An online survey with virtual reality. <i>Building and Environment</i> , <b>2018</b> , 143, 318-328	6.5	24
36	Urban Soundscapes: Characterization of a Pedestrian Tourist Route in Sorrento (Italy). <i>Urban Science</i> , <b>2017</b> , 1, 4	2.2	13
35	Interactive Soundscapes: 360°-Video Based Immersive Virtual Reality in a Tool for the Participatory Acoustic Environment Evaluation of Urban Areas. <i>Acta Acustica United With Acustica</i> , <b>2017</b> , 103, 574-588	1.5	26
34	Ten questions on the soundscapes of the built environment. <i>Building and Environment</i> , <b>2016</b> , 108, 284-294	9.5	180
33	Effect of odour on multisensory environmental evaluations of road traffic. <i>Environmental Impact Assessment Review</i> , <b>2016</b> , 60, 126-133	5.3	14
32	Assessment of noise exposure for basketball sports referees. <i>Journal of Occupational and Environmental Hygiene</i> , <b>2016</b> , 13, 464-75	2.9	2
31	Acoustic, Visual and Spatial Indicators for the Description of the Soundscape of Waterfront Areas with and without Road Traffic Flow. <i>International Journal of Environmental Research and Public Health</i> , <b>2016</b> , 13,	4.6	17
30	The effect of vision on the perception of the noise produced by a chiller in a common living environment. <i>Noise Control Engineering Journal</i> , <b>2016</b> , 64, 363-378	0.6	19
29	Immersive virtual reality in community planning: Acoustic and visual congruence of simulated vs real world. <i>Sustainable Cities and Society</i> , <b>2016</b> , 27, 338-345	10.1	58
28	Modelling the soundscape quality of urban waterfronts by artificial neural networks. <i>Applied Acoustics</i> , <b>2016</b> , 111, 121-128	3.1	31
27	Virtual reconstruction of the historical acoustics of the Odeon of Pompeii. <i>Journal of Cultural Heritage</i> , <b>2016</b> , 19, 555-566	2.9	27
26	Soundscape as Part of the Cultural Heritage <b>2015</b> , 215-242		2
25	Auditory recognition of familiar and unfamiliar subjects with wind turbine noise. <i>International Journal of Environmental Research and Public Health</i> , <b>2015</b> , 12, 4306-20	4.6	6
24	Electric Vehicles and Urban Noise Control Policies. <i>Archives of Acoustics</i> , <b>2015</b> , 39, 333-341		13
23	On the Validity of Immersive Virtual Reality as Tool for Multisensory Evaluation of Urban Spaces. <i>Energy Procedia</i> , <b>2015</b> , 78, 471-476	2.3	42

22	Preliminary studies on the relation between the audio-visual cues' perception and the approaching speed of electric vehicles <b>2014</b> ,		2
21	On the perception of Limited Traffic Zones as urban noise mitigation action. <i>Noise Mapping</i> , <b>2014</b> , 1,	4.8	3
20	The influence of visual characteristics of barriers on railway noise perception. <i>Science of the Total Environment</i> , <b>2013</b> , 445-446, 41-7	10.2	59
19	Immersive virtual reality and environmental noise assessment: An innovative audio-visual approach. <i>Environmental Impact Assessment Review</i> , <b>2013</b> , 41, 10-20	5.3	64
18	Merging physical parameters and laboratory subjective ratings for the soundscape assessment of urban squares. <i>Journal of the Acoustical Society of America</i> , <b>2013</b> , 134, 782-90	2.2	25
17	The effects of vision-related aspects on noise perception of wind turbines in quiet areas. <i>International Journal of Environmental Research and Public Health</i> , <b>2013</b> , 10, 1681-97	4.6	58
16	Individual reactions to a multisensory immersive virtual environment: the impact of a wind farm on individuals. <i>Cognitive Processing</i> , <b>2012</b> , 13 Suppl 1, S319-23	1.5	26
15	Multisensory Assessment of Acoustic Comfort Aboard Metros: a Virtual Reality Study. <i>Applied Cognitive Psychology</i> , <b>2012</b> , 26, 757-767	2.1	38
14	The Speech Intelligibility Aboard Metros in Different Running Conditions. <i>Acta Acustica United With Acustica</i> , <b>2012</b> , 98, 577-587	1.5	3
13	Noise exposure for personal music player users in metros. <i>Noise Control Engineering Journal</i> , <b>2011</b> , 59, 559	0.6	0
12	Noise Exposure of Physical Education and Music Teachers. <i>Noise and Vibration Worldwide</i> , <b>2011</b> , 42, 9-16	0.8	3
11	Perspective of the soundscape approach as a tool for urban space design. <i>Noise Control Engineering Journal</i> , <b>2010</b> , 58, 532	0.6	24
10	Noise exposure in school gymnasias and swimming pools. <i>Noise Control Engineering Journal</i> , <b>2009</b> , 57, 603	0.6	10
9	Assessment of Large-Scale Action Plans to Reduce External Background Noise in School Buildings. <i>Building Acoustics</i> , <b>2004</b> , 11, 259-269	1	5
8	ROOM ACOUSTIC CONDITIONS OF PERFORMERS IN AN OLD OPERA HOUSE. <i>Journal of Sound and Vibration</i> , <b>2000</b> , 232, 17-26	3.9	4
7	OBJECTIVE MEASUREMENT OF THE LISTENING CONDITION IN THE OLD ITALIAN OPERA HOUSE TEATRO DI SAN CARLO <i>Journal of Sound and Vibration</i> , <b>2000</b> , 232, 239-249	3.9	10
6	Steady-state air-flow and acoustic measurement of the resistivity of loose granular materials. <i>Journal of the Acoustical Society of America</i> , <b>1999</b> , 106, 1416-1419	2.2	9
5	Calculation of the sound pressure reflection coefficient of sound-absorbing fibrous terminations for tubes based on a gradual transition of resistivity. <i>Applied Acoustics</i> , <b>1989</b> , 27, 1-11	3.1	2

4	A computer-aided procedure for selecting the optimal corrective absorption in rooms. <i>Applied Acoustics</i> , <b>1983</b> , 16, 455-461	3.1	1
3	A lumped parameter model for the iterative analysis of cylinderlike antivibration mounts. <i>Journal of the Acoustical Society of America</i> , <b>1982</b> , 72, 482-487	2.2	2
2	3D sound spatialization with game engines: the virtual acoustics performance of a game engine and a middleware for interactive audio design. <i>Virtual Reality</i> ,1	6	
1	Effects of urban noise variability on cognitive abilities in indoor spaces: Gender differences. <i>Noise and Vibration Worldwide</i> ,095745652110307	0.8	1