Giuseppe Ciaburro

List of Publications by Year
in descending order

46 papers	824 citations	471061 17 h-index	525886 27 g-index
49 all docs	49 docs citations	49 times ranked	466 citing authors

#	ARTICLE	IF	CITATIONS
1	Fault Diagnosis for UAV Blades Using Artificial Neural Network. Robotics, 2019, 8, 59.	2.1	87
2	Modelling the soundscape quality of urban waterfronts by artificial neural networks. Applied Acoustics, 2016, 111, 121-128.	1.7	52
3	Improving Smart Cities Safety Using Sound Events Detection Based on Deep Neural Network Algorithms. Informatics, 2020, 7, 23.	2.4	48
4	Artificial neural network-based models for predicting the sound absorption coefficient of electrospun poly(vinyl pyrrolidone)/silica composite. Applied Acoustics, 2020, 169, 107472.	1.7	46
5	Modelling sound absorption properties of broom fibers using artificial neural networks. Applied Acoustics, 2020, 163, 107239.	1.7	45
6	Wind Turbine Noise Prediction Using Random Forest Regression. Machines, 2019, 7, 69.	1.2	40
7	Membrane-type acoustic metamaterial using cork sheets and attached masses based on reused materials. Applied Acoustics, 2022, 189, 108605.	1.7	35
8	Heating, Ventilation, and Air Conditioning (HVAC) Noise Detection in Open-Plan Offices Using Recursive Partitioning. Buildings, 2018, 8, 169.	1.4	31
9	Sound Event Detection in Underground Parking Garage Using Convolutional Neural Network. Big Data and Cognitive Computing, 2020, 4, 20.	2.9	29
10	Acoustic, Visual and Spatial Indicators for the Description of the Soundscape of Waterfront Areas with and without Road Traffic Flow. International Journal of Environmental Research and Public Health, 2016, 13, 934.	1.2	27
11	Modeling acoustic metamaterials based on reused buttons using data fitting with neural network. Journal of the Acoustical Society of America, 2021, 150, 51-63.	0.5	27
12	Representation of the soundscape quality in urban areas through colours. Noise Mapping, 2019, 6, 8-21.	0.7	26
13	An artificial neural network approach to modelling absorbent asphalts acoustic properties. Journal of King Saud University, Engineering Sciences, 2021, 33, 213-220.	1.2	25
14	Modelling sound absorption properties for recycled polyethylene terephthalate-based material using Gaussian regression. Building Acoustics, 2021, 28, 185-196.	1.1	24
15	A Comparison between Numerical Simulation Models for the Prediction of Acoustic Behavior of Giant Reeds Shredded. Applied Sciences (Switzerland), 2020, 10, 6881.	1.3	23
16	Acoustic Design of Ancient Buildings: The Odea of Pompeii and Posillipo. Buildings, 2020, 10, 224.	1.4	22
17	Metamaterials acoustic barrier. Applied Acoustics, 2021, 181, 108172.	1.7	22
18	Machine Learning-Based Algorithms to Knowledge Extraction from Time Series Data: A Review. Data, 2021, 6, 55.	1.2	18

#	ARTICLE	IF	CITATIONS
19	Acoustic Enhancement of a Modern Church. Buildings, 2019, 9, 83.	1.4	16
20	Research for the Presence of Unmanned Aerial Vehicle inside Closed Environments with Acoustic Measurements. Buildings, 2020, 10, 96.	1.4	15
21	Design Optimization of Three-Layered Metamaterial Acoustic Absorbers Based on PVC Reused Membrane and Metal Washers. Sustainability, 2022, 14, 4218.	1.6	15
22	Numerical Simulation for the Sound Absorption Properties of Ceramic Resonators. Fibers, 2020, 8, 77.	1.8	14
23	Acoustical unmanned aerial vehicle detection in indoor scenarios using logistic regression model. Building Acoustics, 2021, 28, 77-96.	1.1	13
24	The Acoustics of the Benevento Roman Theatre. Buildings, 2021, 11, 212.	1.4	13
25	The acoustics of ancient catacombs in Southern Italy. Building Acoustics, 2021, 28, 411-422.	1.1	11
26	Characterization and Modeling of Corn Stalk Fibers tied with Clay using Support Vector Regression Algorithms. Journal of Natural Fibers, 0, , 1-16.	1.7	11
27	USE OF CORK SHEETS FOR ROOM ACOUSTIC CORRECTION. Journal of Green Building, 2020, 15, 45-55.	0.4	10
28	The acoustic characteristics of the â€œDives in Misericordiaâ€•Church in Rome. Building Acoustics, 2021, 28, 197-206.	1.1	8
29	Acoustic Characterization of Rooms Using Reverberation Time Estimation Based on Supervised Learning Algorithm. Applied Sciences (Switzerland), 2021, 11, 1661.	1.3	8
30	Video games noise exposure in teenagers and young adults. Noise and Vibration Worldwide, 2020, 51, 3-11.	0.4	7
31	Security Systems for Smart Cities Based on Acoustic Sensors and Machine Learning Applications. Studies in Computational Intelligence, 2021, , 369-393.	0.7	6
32	Machine Learning-Based Tools for Wind Turbine Acoustic Monitoring. Applied Sciences (Switzerland), 2021, 11, 6488.	1.3	5
33	Ottoman Mosques in Albania: Building Acoustic Exploration inside Five Case Studies. Buildings, 2021, 11, 430.	1.4	5
34	Case study: Automated recognition of wind farm sound using artificial neural networks. Noise Control Engineering Journal, 2020, 68, 157-167.	0.2	5
35	Assessment of noise exposure for basketball sports referees. Journal of Occupational and Environmental Hygiene, 2016, 13, 464-475.	0.4	4
36	Acoustic design of a new shell to be placed in the Roman amphitheater located in Santa Maria Capua Vetere. Applied Acoustics, 2022, 187, 108524.	1.7	4

#	Article	IF	Citations
37	Two Albanian Mosques: the acoustics discovery inside prayer rooms. , 2021, , .		4
38	Acoustic Characterization and Modeling of Silicone-Bonded Cocoa Crop Waste Using a Model Based on the Gaussian Support Vector Machine. Fibers, 2022, 10, 25.	1.8	4
39	Recycled Materials for Sound Absorbing Applications. Materials Science Forum, 0, 1034, 169-175.	0.3	3
40	Deep Learning Methods for Audio Events Detection. Studies in Big Data, 2021, , 147-166.	0.8	2
41	An ensemble classifier approach for thyroid disease diagnosis using the AdaBoostM algorithm. , 2021, , 365-387.		2
42	Corn plants as temporary acoustic barrier to limit the effects of noise pollution. INTER-NOISE and NOISE-CON Congress and Conference Proceedings, 2021, 263, 2164-2171.	0.1	2
43	Use of masks inside the classrooms. INTER-NOISE and NOISE-CON Congress and Conference Proceedings, 2021, 263, 4020-4027.	0.1	2
44	Community Response to Noise from Hot-Spots at a Major Road in Quito (Ecuador) and Its Application for Identification and Ranking These Areas. International Journal of Environmental Research and Public Health, 2022, 19, 1115.	1.2	1
45	Blockchain Technology for Contact Tracing During COVID-19. , 2022, , 201-229.		1
46	How a quartet of theatres plays under an acoustic perspective: A comparison between horseshoe shaped plans in Campania. Building Acoustics, 0, , 1351010X2210807.	1.1	1