

Ignacio Pavon

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

631
citations

686830

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h-index

610482

24
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34
all docs

34
docs citations

34
times ranked

721
citing authors

#	ARTICLE	IF	CITATIONS
1	On-board wet road surface identification using tyre/road noise and Support Vector Machines. Applied Acoustics, 2014, 76, 407-415.	1.7	96
2	Changes in noise levels in the city of Madrid during COVID-19 lockdown in 2020. Journal of the Acoustical Society of America, 2020, 148, 1748-1755.	0.5	79
3	Deep Learning Approaches for Detecting Freezing of Gait in Parkinson's Disease Patients through On-Body Acceleration Sensors. Sensors, 2020, 20, 1895.	2.1	62
4	Study of Precision, Deviations and Uncertainty in the Design of the Strategic Noise Map of the Macrocenter of the City of Buenos Aires, Argentina. Environmental Modeling and Assessment, 2010, 15, 125-135.	1.2	46
5	European Blackbirds Exposed to Aircraft Noise Advance Their Chorus, Modify Their Song and Spend More Time Singing. Frontiers in Ecology and Evolution, 2017, 5, .	1.1	46
6	Automatic Resting Tremor Assessment in Parkinson's Disease Using Smartwatches and Multitask Convolutional Neural Networks. Sensors, 2021, 21, 291.	2.1	43
7	Great tits, Parus major, increase vigilance time and reduce feeding effort during peaks of aircraft noise. Animal Behaviour, 2016, 115, 29-34.	0.8	40
8	A Digital Signal Processor Based Acoustic Sensor for Outdoor Noise Monitoring in Smart Cities. Sensors, 2020, 20, 605.	2.1	24
9	Neural based contingent valuation of road traffic noise. Transportation Research, Part D: Transport and Environment, 2017, 50, 26-39.	3.2	18
10	Citizens' perception of the efficacy of airport noise insulation programmes in Spain. Applied Acoustics, 2014, 84, 107-115.	1.7	16
11	Occupational Risk Prevention through Smartwatches: Precision and Uncertainty Effects of the Built-In Accelerometer. Sensors, 2018, 18, 3805.	2.1	16
12	Assessing soundscape: Comparison between in situ and laboratory methodologies. Noise Mapping, 2017, 4, 57-66.	0.7	15
13	Estimation of directivity and sound power levels emitted by aircrafts during taxiing, for outdoor noise prediction purpose. Applied Acoustics, 2007, 68, 1263-1279.	1.7	14
14	GPS-based speed collection method for road traffic noise mapping. Transportation Research, Part D: Transport and Environment, 2009, 14, 360-366.	3.2	14
15	Uncertainty in Noise Maps Isolines: The Effect of the Sampling Grid. Acta Acustica United With Acustica, 2011, 97, 237-242.	0.8	11
16	A statistical pattern recognition approach for the classification of cooking stages. The boiling water case. Applied Acoustics, 2013, 74, 1022-1032.	1.7	11
17	Contingent valuation of road traffic noise: A case study in the urban area of Quito, Ecuador. Case Studies on Transport Policy, 2017, 5, 722-730.	1.1	11
18	Design of a Noise Action Plan based on a Road Traffic Noise Map. Acta Acustica United With Acustica, 2011, 97, 492-502.	0.8	9

#	ARTICLE	IF	CITATIONS
19	Self-adaptive grids for noise mapping refinement. <i>Applied Acoustics</i> , 2011, 72, 599-610.	1.7	9
20	Reduction in Calculated Uncertainty of a Noise Map by Improving the Traffic Model Data Through Two Phases. <i>Acta Acustica United With Acustica</i> , 2011, 97, 761-768.	0.8	9
21	Spatial aspects in urban soundscapes: Binaural parameters application in the study of soundscapes from Bogotá-Colombia and Brasília-Brazil. <i>Applied Acoustics</i> , 2019, 145, 420-430.	1.7	9
22	Assessment of Noise Exposure During Commuting in the Madrid Subway. <i>Journal of Occupational and Environmental Hygiene</i> , 2011, 8, 533-539.	0.4	5
23	Airport Noise Insulation Programs: The Spanish Case. <i>Noise and Vibration Worldwide</i> , 2012, 43, 8-15.	0.4	5
24	Evaluation of noise environments during daily activities of university students. <i>International Journal of Occupational Safety and Ergonomics</i> , 2016, 22, 274-278.	1.1	5
25	Aircraft noise-monitoring according to ISO 20906: Evaluation of uncertainty derived from the human factors affecting event detection. <i>Applied Acoustics</i> , 2012, 73, 1-11.	1.7	4
26	Platform for on-board real-time detection of wet, icy and snowy roads, using tyre/road noise analysis. , 2015, , .		4
27	Road state estimation based on acoustic analysis. <i>Securitas Vialis</i> , 2015, 7, 13-19.	0.1	3
28	On the Person-Place Interaction and Its Relationship with the Responses/Outcomes of Listeners of Urban Soundscape (Compared Cases of Lisbon and Bogotá): Contextual and Semiotic Aspects. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 551.	1.2	3
29	Aircrafts'™ taxi noise. Sound power level and directivity frequency band results. <i>Applied Acoustics</i> , 2009, 70, 986-1008.	1.7	2
30	Design and Validation of a Simulator Tool Useful for Designers and Policy Makers in Urban Sound Planning. <i>Acoustics Australia</i> , 2017, 45, 515-527.	1.4	2
31	Airport noise insulation programs: The Spanish case. <i>Noise Notes</i> , 2012, 11, 25-34.	0.2	0
32	Background noise and its influence on the brain waves related to attention. , 2013, , 91-96.		0
33	Automatic Identification of Hand-Held Vibrating Tools Through Commercial Smartwatches and Machine Learning. <i>Studies in Systems, Decision and Control</i> , 2020, , 481-489.	0.8	0