Ignacio Pavon

List of Publications by Year
in descending order

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Version: 2024-02-01

33 papers	631 citations	687220 13 h-index	610775 24 g-index
34 all docs	34 docs citations	34 times ranked	721 citing authors

#	Article	IF	Citations
1	Automatic Resting Tremor Assessment in Parkinsonâ€™s Disease Using Smartwatches and Multitask Convolutional Neural Networks. Sensors, 2021, 21, 291.	2.1	43
2	A Digital Signal Processor Based Acoustic Sensor for Outdoor Noise Monitoring in Smart Cities. Sensors, 2020, 20, 605.	2.1	24
3	Deep Learning Approaches for Detecting Freezing of Gait in Parkinsonâ€™s Disease Patients through On-Body Acceleration Sensors. Sensors, 2020, 20, 1895.	2.1	62
4	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
5	Automatic Identification of Hand-Held Vibrating Tools Through Commercial Smartwatches and Machine Learning. Studies in Systems, Decision and Control, 2020, , 481-489.	0.8	0
6	On the Person-Place Interaction and Its Relationship with the Responses/Outcomes of Listeners of Urban Soundscape (Compared Cases of Lisbon and BogotÃ¡): Contextual and Semiotic Aspects. International Journal of Environmental Research and Public Health, 2019, 16, 551.	1.2	3
7	Spatial aspects in urban soundscapes: Binaural parameters application in the study of soundscapes from BogotÃ¡-Colombia and BrasÃlia-Brazil. Applied Acoustics, 2019, 145, 420-430.	1.7	9
8	Occupational Risk Prevention through Smartwatches: Precision and Uncertainty Effects of the Built-In Accelerometer. Sensors, 2018, 18, 3805.	2.1	16
9	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
10	Design and Validation of a Simulator Tool Useful for Designers and Policy Makers in Urban Sound Planning. Acoustics Australia, 2017, 45, 515-527.	1.4	2
11	Neural based contingent valuation of road traffic noise. Transportation Research, Part D: Transport and Environment, 2017, 50, 26-39.	3.2	18
12	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
13	Assessing soundscape: Comparison between in situ and laboratory methodologies. Noise Mapping, 2017, 4, 57-66.	0.7	15
14	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
15	Evaluation of noise environments during daily activities of university students. International Journal of Occupational Safety and Ergonomics, 2016, 22, 274-278.	1.1	5
16	Platform for on-board real-time detection of wet, icy and snowy roads, using tyre/road noise analysis. , 2015, , .		4
17	Road state estimation based on acoustic analysis. Securitas Vialis, 2015, 7, 13-19.	0.1	3
18	On-board wet road surface identification using tyre/road noise and Support Vector Machines. Applied Acoustics, 2014, 76, 407-415.	1.7	96

#	Article	IF	Citations
19	Citizensâ€™ perception of the efficacy of airport noise insulation programmes in Spain. Applied Acoustics, 2014, 84, 107-115.	1.7	16
20	A statistical pattern recognition approach for the classification of cooking stages. The boiling water case. Applied Acoustics, 2013, 74, 1022-1032.	1.7	11
21	Background noise and its influence on the brain waves related to attention. , 2013, , 91-96.		0
22	Airport Noise Insulation Programs: The Spanish Case. Noise and Vibration Worldwide, 2012, 43, 8-15.	0.4	5
23	Aircraft noise-monitoring according to ISO 20906: Evaluation of uncertainty derived from the human factors affecting event detection. Applied Acoustics, 2012, 73, 1-11.	1.7	4
24	Airport noise insulation programs: The Spanish case. Noise Notes, 2012, 11, 25-34.	0.2	0
25	Uncertainty in Noise Maps Isolines: The Effect of the Sampling Grid. Acta Acustica United With Acustica, 2011, 97, 237-242.	0.8	11
26	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
27	Self-adaptive grids for noise mapping refinement. Applied Acoustics, 2011, 72, 599-610.	1.7	9
28	Assessment of Noise Exposure During Commuting in the Madrid Subway. Journal of Occupational and Environmental Hygiene, 2011, 8, 533-539.	0.4	5
29	Reduction in Calculated Uncertainty of a Noise Map by Improving the Traffic Model Data Through Two Phases. Acta Acustica United With Acustica, 2011, 97, 761-768.	0.8	9
30	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
31	GPS-based speed collection method for road traffic noise mapping. Transportation Research, Part D: Transport and Environment, 2009, 14, 360-366.	3.2	14
32	Aircraftsâ€™ taxi noise. Sound power level and directivity frequency band results. Applied Acoustics, 2009, 70, 986-1008.	1.7	2
33	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