

# Roberto Merino-Martinez

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

906  
citations

516710

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677142

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docs citations

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times ranked

342  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using global optimization methods for three-dimensional localization and quantification of incoherent acoustic sources. <i>JASA Express Letters</i> , 2022, 2, .	1.1	5
2	Evaluation of advanced acoustic imaging methods for microphone-array measurements in closed-section wind tunnels. , 2022, , .		1
3	Experimental study of realistic low-noise technologies applied to a full-scale nose landing gear. <i>Aerospace Science and Technology</i> , 2021, 113, 106705.	4.8	7
4	Holistic approach to wind turbine noise: From blade trailing-edge modifications to annoyance estimation. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 148, 111285.	16.4	16
5	Evaluation of the effect of microphone cavity geometries on acoustic imaging in wind tunnels. <i>Applied Acoustics</i> , 2021, 181, 108154.	3.3	11
6	Combining asynchronous microphone array measurements for enhanced acoustic imaging and volumetric source mapping. <i>Applied Acoustics</i> , 2021, 182, 108247.	3.3	6
7	Assessment of the accuracy of microphone array methods for aeroacoustic measurements. <i>Journal of Sound and Vibration</i> , 2020, 470, 115176.	3.9	18
8	Aeroacoustic design and characterization of the 3D-printed, open-jet, anechoic wind tunnel of Delft University of Technology. <i>Applied Acoustics</i> , 2020, 170, 107504.	3.3	46
9	Implementation of tonal cavity noise estimations in landing gear noise prediction models. , 2020, , .		7
10	Multi-Approach Study of Nose Landing Gear Noise. <i>Journal of Aircraft</i> , 2020, 57, 517-533.	2.4	21
11	Analysis of shielding of propeller noise using beamforming and predictions. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 1085-1098.	1.1	11
12	Enhanced HR-CLEAN-SC for resolving multiple closely spaced sound sources. <i>International Journal of Aeroacoustics</i> , 2019, 18, 392-413.	1.3	37
13	Integration methods for distributed sound sources. <i>International Journal of Aeroacoustics</i> , 2019, 18, 444-469.	1.3	40
14	Alleviation of Propeller-Slipstream-Induced Unsteady Pylon Loading by a Flow-Permeable Leading Edge. <i>Journal of Aircraft</i> , 2019, 56, 1214-1230.	2.4	25
15	A review of acoustic imaging methods using phased microphone arrays. <i>CEAS Aeronautical Journal</i> , 2019, 10, 197-230.	1.7	206
16	Sound quality metrics applied to aircraft components under operational conditions using a microphone array. , 2019, , .		3
17	Experimental characterization of the turbulent boundary layer over a porous trailing edge for noise abatement. <i>Journal of Sound and Vibration</i> , 2019, 443, 537-558.	3.9	98
18	Improving Aircraft Noise Predictions Considering Fan Rotational Speed. <i>Journal of Aircraft</i> , 2019, 56, 284-294.	2.4	22

#	ARTICLE	IF	CITATIONS
19	Variability of Sound Quality Metrics for Different Aircraft Types During Landing and Take-Off. , 2019, , .		5
20	Acoustic Emissions of Semi-Permeable Trailing Edge Serrations. Acoustics Australia, 2018, 46, 111-117.	2.4	18
21	Analysis of nose landing gear noise comparing numerical computations, prediction models and flyover and wind-tunnel measurements. , 2018, , .		8
22	Comparison between analog and digital phased microphone arrays for aeroacoustic measurements. , 2018, , .		5
23	On the use of global optimization methods for acoustic source mapping. Journal of the Acoustical Society of America, 2017, 141, 453-465.	1.1	22
24	Assessment of Noise Variability of Landing Aircraft Using Phased Microphone Array. Journal of Aircraft, 2017, 54, 2173-2183.	2.4	31
25	Effect of trailing edge serration-flow misalignment on airfoil noise emissions. Journal of Sound and Vibration, 2017, 405, 19-33.	3.9	55
26	High-resolution CLEAN-SC: Theory and experimental validation. International Journal of Aeroacoustics, 2017, 16, 274-298.	1.3	59
27	Boundary layer characterization and acoustic measurements of flow-aligned trailing edge serrations. Experiments in Fluids, 2016, 57, 1.	2.4	46
28	Functional Beamforming Applied to Imaging of Flyover Noise on Landing Aircraft. Journal of Aircraft, 2016, 53, 1830-1843.	2.4	59
29	Analysis of landing gear noise during approach. , 2016, , .		18