

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

22
g-index

29
all docs

29
docs citations

29
times ranked

342
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of acoustic imaging methods using phased microphone arrays. CEAS Aeronautical Journal, 2019, 10, 197-230.	1.7	206
2	Experimental characterization of the turbulent boundary layer over a porous trailing edge for noise abatement. Journal of Sound and Vibration, 2019, 443, 537-558.	3.9	98
3	Functional Beamforming Applied to Imaging of Flyover Noise on Landing Aircraft. Journal of Aircraft, 2016, 53, 1830-1843.	2.4	59
4	High-resolution CLEAN-SC: Theory and experimental validation. International Journal of Aeroacoustics, 2017, 16, 274-298.	1.3	59
5	Effect of trailing edge serration-flow misalignment on airfoil noise emissions. Journal of Sound and Vibration, 2017, 405, 19-33.	3.9	55
6	Boundary layer characterization and acoustic measurements of flow-aligned trailing edge serrations. Experiments in Fluids, 2016, 57, 1.	2.4	46
7	Aeroacoustic design and characterization of the 3D-printed, open-jet, anechoic wind tunnel of Delft University of Technology. Applied Acoustics, 2020, 170, 107504.	3.3	46
8	Integration methods for distributed sound sources. International Journal of Aeroacoustics, 2019, 18, 444-469.	1.3	40
9	Enhanced HR-CLEAN-SC for resolving multiple closely spaced sound sources. International Journal of Aeroacoustics, 2019, 18, 392-413.	1.3	37
10	Assessment of Noise Variability of Landing Aircraft Using Phased Microphone Array. Journal of Aircraft, 2017, 54, 2173-2183.	2.4	31
11	Alleviation of Propeller-Slipstream-Induced Unsteady Pylon Loading by a Flow-Permeable Leading Edge. Journal of Aircraft, 2019, 56, 1214-1230.	2.4	25
12	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
13	Improving Aircraft Noise Predictions Considering Fan Rotational Speed. Journal of Aircraft, 2019, 56, 284-294.	2.4	22
14	Multi-Approach Study of Nose Landing Gear Noise. Journal of Aircraft, 2020, 57, 517-533.	2.4	21
15	Analysis of landing gear noise during approach. , 2016, , .		18
16	Acoustic Emissions of Semi-Permeable Trailing Edge Serrations. Acoustics Australia, 2018, 46, 111-117.	2.4	18
17	Assessment of the accuracy of microphone array methods for aeroacoustic measurements. Journal of Sound and Vibration, 2020, 470, 115176.	3.9	18
18	Holistic approach to wind turbine noise: From blade trailing-edge modifications to annoyance estimation. Renewable and Sustainable Energy Reviews, 2021, 148, 111285.	16.4	16

#	ARTICLE	IF	CITATIONS
19	Analysis of shielding of propeller noise using beamforming and predictions. Journal of the Acoustical Society of America, 2019, 146, 1085-1098.	1.1	11
20	Evaluation of the effect of microphone cavity geometries on acoustic imaging in wind tunnels. Applied Acoustics, 2021, 181, 108154.	3.3	11
21	Analysis of nose landing gear noise comparing numerical computations, prediction models and flyover and wind-tunnel measurements. , 2018, , .		8
22	Implementation of tonal cavity noise estimations in landing gear noise prediction models. , 2020, , .		7
23	Experimental study of realistic lowâ€noise technologies applied to a fullâ€scale nose landing gear. Aerospace Science and Technology, 2021, 113, 106705.	4.8	7
24	Combining asynchronous microphone array measurements for enhanced acoustic imaging and volumetric source mapping. Applied Acoustics, 2021, 182, 108247.	3.3	6
25	Comparison between analog and digital phased microphone arrays for aeroacoustic measurements. , 2018, , .		5
26	Variability of Sound Quality Metrics for Different Aircraft Types During Landing and Take-Off. , 2019, , .		5
27	Using global optimization methods for three-dimensional localization and quantification of incoherent acoustic sources. JASA Express Letters, 2022, 2, .	1.1	5
28	Sound quality metrics applied to aircraft components under operational conditions using a microphone array. , 2019, , .		3
29	Evaluation of advanced acoustic imaging methods for microphone-array measurements in closed-section wind tunnels. , 2022, , .		1