Carsten Spehr

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3709559/publications.pdf

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30	414	1478505 6	1281871 11
papers	citations	h-index	g-index

31	31	31	208
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Beamforming for measurements under disturbed propagation conditions using numerically calculated Greenâ€™s functions. Journal of Sound and Vibration, 2022, 520, 116638.	3.9	3
2	Expert decision support system for aeroacoustic source type identification using clustering. Journal of the Acoustical Society of America, 2022, 151, 1259-1276.	1.1	2
3	Weighted data spaces for correlation-based array imaging in experimental aeroacoustics. Journal of Sound and Vibration, 2021, 494, 115878.	3.9	4
4	Road to Acquisition: Preparing a MEMS Microphone Array for Measurement of Fuselage Surface Pressure Fluctuations. Micromachines, 2021, 12, 961.	2.9	10
5	Automatic source localization and spectra generation from sparse beamforming maps. Journal of the Acoustical Society of America, 2021, 150, 1866-1882.	1.1	8
6	Wavenumber Characterization of Surface Pressure Fluctuations on the Fuselage During Cruise Flight. , 2021, , 157-180.		0
7	Uniqueness of an inverse source problem in experimental aeroacoustics. Inverse Problems, 2020, 36, 075012.	2.0	5
8	Expert Decision Support System for Aeroacoustic Classification from Deconvolved Beamforming Maps. , 2020, , .		0
9	A review of acoustic imaging methods using phased microphone arrays. CEAS Aeronautical Journal, 2019, 10, 197-230.	1.7	206
10	Comparison of microphone array measurements in the closed test section of LSWT and ETW. CEAS Aeronautical Journal, 2019, 10, 267-285.	1.7	9
11	Up in the Air: In-Flight Wavenumber Characterization of Surface Pressure Fluctuations at Transonic Conditions. , 2018, , .		4
12	Comparison of model predictions for coherence length to in-flight measurements at cruise conditions. Journal of Sound and Vibration, 2017, 390, 86-117.	3.9	19
13	Obtaining phase velocity of turbulent boundary layer pressure fluctuations at high subsonic Mach number from wind tunnel data affected by strong background noise. Journal of Sound and Vibration, 2017, 402, 85-103.	3.9	13
14	Determining Flow Propagation Direction from In-Flight Array Surface Pressure Fluctuation Data. , 2017, , .		2
15	A Comparison of Microphone Phased Array Methods Applied to the Study of Airframe Noise in Wind Tunnel Testing. , 2017, , .		27
16	Microphone localization with self calibrating acoustic GPS. , 2017, , .		1
17	Experimental Investigation of Flow-Induced Panel Vibrations at Cruise Mach Number. , 2015, , .		2
18	Decorrelation of Acoustic Wave Propagation through the Shear Layer in Open Jet Wind Tunnel. , 2015, , .		19

#	Article	IF	Citations
19	Listening to Turbulence: Measuring Coherence Decay at Different Positions on an Aircraft in Cruise Flight. , 2014, , .		4
20	Improving the performance of aeroacoustic measurements beneath a turbulent boundary layer in a wake flow. , 2014, , .		2
21	Spectral Broadening by Shear Layers of Open Jet Wind Tunnels. , 2014, , .		14
22	Investigation of laminar detachment by means of simultaneous microphone and surface hot wire measurements. , 2013, , .		0
23	Contributions of Different Aeroacoustic Sources to Aircraft Cabin Noise. , 2013, , .		17
24	Examination of the Influence of Flight Altitude and Speed on the Efimtsov Model Parameters. , 2013, , .		7
25	In-flight Sound Measurements: A first Overview. , 2012, , .		14
26	Aeroacoustic Investigations of a Leading Edge Slat by Means of the Causality Correlation Method. , 2012, , .		1
27	Two-Dimensional Evaluation of Turbulent Boundary Layer Pressure Fluctuations at Cruise Flight Conditions. , 2012, , .		19
28	Broadband Simulation of Flow-Induced Noise Generation on Orifice Plates in Air Conditioning Ducts. , 2009, , .		0
29	Simulation Of Flow-Induced Noise Generation On Orifice Plates In Air-conditioning Ducts. , 2008, , .		1
30	Determining Flow Propagation Direction from In-Flight Array Surface Pressure Fluctuation Data. AIAA Journal, 0, , 1-12.	2.6	0