

Sandra Velarde-Suarez

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

341
citations

933447

10
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

184
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental determination of the tonal noise sources in a centrifugal fan. <i>Journal of Sound and Vibration</i> , 2006, 295, 781-796.	3.9	64
2	Reduction of the aerodynamic tonal noise of a forward-curved centrifugal fan by modification of the volute tongue geometry. <i>Applied Acoustics</i> , 2008, 69, 225-232.	3.3	57
3	Numerical Calculation of Pressure Fluctuations in the Volute of a Centrifugal Fan. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2006, 128, 359-369.	1.5	46
4	Parametrical evaluation of the aerodynamic performance of vertical axis wind turbines for the proposal of optimized designs. <i>Energy</i> , 2018, 147, 504-517.	8.8	37
5	Noise Prediction of a Centrifugal Fan: Numerical Results and Experimental Validation. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2008, 130, .	1.5	30
6	Relationship between volute pressure fluctuation pattern and tonal noise generation in a squirrel-cage fan. <i>Applied Acoustics</i> , 2009, 70, 1384-1392.	3.3	28
7	Application of Richardson extrapolation method to the CFD simulation of vertical-axis wind turbines and analysis of the flow field. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019, 13, 359-376.	3.1	18
8	A predictive maintenance procedure using pressure and acceleration signals from a centrifugal fan. <i>Applied Acoustics</i> , 2006, 67, 49-61.	3.3	15
9	Turbulence-Model Comparison for Aerodynamic-Performance Prediction of a Typical Vertical-Axis Wind-Turbine Airfoil. <i>Energies</i> , 2019, 12, 488.	3.1	14
10	Symmetrized dot pattern analysis for the unsteady vibration state in a Sirocco fan unit. <i>Applied Acoustics</i> , 2019, 152, 1-12.	3.3	11
11	Wall-Resolved LES Modeling of a Wind Turbine Airfoil at Different Angles of Attack. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 212.	2.6	6
12	Novel methodology for performance characterization of vertical axis wind turbines (VAWT) prototypes through active driving mode. <i>Energy Conversion and Management</i> , 2022, 258, 115530.	9.2	5
13	Experimental study of the unsteady vibration signature for a Sirocco fan unit. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2020, 39, 129-148.	2.9	3
14	Simplified Assessment on the Wind Farm Noise Impact of the E2O Experimental Offshore Station in the Asturian Coast. <i>Energies</i> , 2020, 13, 5788.	3.1	3
15	Purified orbit diagram and numerical study for a failure analysis of a Sirocco fan. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401773343.	1.6	2
16	Aerodynamic Design of a Small-Scale Model of a Vertical Axis Wind Turbine. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	2
17	Noise Prediction in HVAC Squirrel-Cage Fans by Unsteady Reynolds Navier-Stokes Computation. , 2012, , .		0
18	Fault Diagnosis Technique for a Squirrel Cage Fan Using Vibration Analysis Signals. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
19	Proposal of an Optimized Airfoil Geometry for Vertical-Axis Wind Turbine Applications. Proceedings (mdpi), 2018, 2, .	0.2	0