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Prediction of Rod-Airfoil Interaction Noise Using the Ffowcs-Williams-Hawkings Analogy

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82	Competing Broadband Noise Mechanisms in Low Speed Axial Fans. <b>2004</b> ,		10
81	Wake-Airfoil Interaction as Broadband Noise Source: A Large-Eddy Simulation Study. <i>International Journal of Aeroacoustics</i> , <b>2005</b> , 4, 93-115	2.1	46
80	A rod-airfoil experiment as a benchmark for broadband noise modeling. <i>Theoretical and Computational Fluid Dynamics</i> , <b>2005</b> , 19, 171-196	2.3	160
79	Aeroacoustic Design of Automotive Engine Cooling Fan Systems. 2005,		2
78	Flow and Noise Modification by Suction and Blowing on a Rod-Airfoil Configuration. 2005,		3
77	Prediction of Sound Generated by a Rod-Airfoil Configuration Using a Cubic EASM-DES and the Generalised Lighthill/FW-H Analogy. <b>2006</b> ,		2
76	Prediction of Incoming Turbulent Noise Using a Combined Numerical/Semi-Empirical Method and Experimental Validation. <b>2007</b> ,		7
75	Acoustic Investigation of Rod Airfoil Configuration with DES and FWH. 2007,		9
74	Prediction of sound generated by a rodlirfoil configuration using EASM DES and the generalised Lighthill/FW-H analogy. <i>Computers and Fluids</i> , <b>2008</b> , 37, 402-413	2.8	69
73	Assessment of CFD Broadband Noise Predictions on a Rod-Airfoil Benchmark Computation. 2008,		11
72	The interaction of a bluff body with a vortex wake. <i>Journal of Fluids and Structures</i> , <b>2009</b> , 25, 867-888	3.1	21
71	Flow and Noise Simulation of the NASA Tandem Cylinder Experiment Using OpenFOAM. 2009,		14
70	Aeroacoustic Analysis of a Rod-Airfoil Flow by Means of Time-Resolved PIV. 2009,		16
69	Unsteady Flow Computations and Noise Predictions on Rod-Airfoil Using Lattice Boltzmann Method. <b>2009</b> ,		2
68	Computational bluff body aerodynamic noise prediction using a statistical approach. <i>Applied Acoustics</i> , <b>2010</b> , 71, 1194-1203	3.1	12
67	Noise radiated by a rod-airfoil configuration using DES and the Ffowcs-Williams & Hawkings' analogy. <b>2010</b> ,		11
66	Numerical Insight into Sound Sources of a Rod-Airfoil Flow Configuration Using Direct Noise Calculation. <b>2010</b> ,		15

## (2015-2010)

65	Characterization of the Noise Sources in a Rod-Airfoil Configuration by Means of Time-Resolved Tomographic PIV. <b>2010</b> ,		1	
64	Numerical Simulation of Broadband Noise from Airfoil-Wake Interaction. <b>2011</b> ,		14	
63	Two techniques for PIV-based aeroacoustic prediction and their application to a rod-airfoil experiment. <i>Experiments in Fluids</i> , <b>2011</b> , 50, 877-885	2.5	21	
62	Active control of fluctuating pressure induced by blade-vortex interaction. <i>Science China Technological Sciences</i> , <b>2011</b> , 54, 862-868	3.5	8	
61	A parametric study of the noise radiated by the flow around multiple bodies: direct noise computation of the influence of the separating distance in rod-airfoil flow configurations. <b>2011</b> ,		6	
60	Prediction of the sound generated by a rod-airfoil configuration using a compressible unstructured LES solver and a FW-H analogy. <b>2012</b> ,		12	
59	On the use of time-resolved particle image velocimetry for the investigation of rodBirfoil aeroacoustics. <i>Journal of Sound and Vibration</i> , <b>2012</b> , 331, 5012-5027	3.9	14	
58	Flow and noise predictions for the tandem cylinder aeroacoustic benchmarka). <i>Physics of Fluids</i> , <b>2012</b> , 24, 036101	4.4	47	
57	CFD/CAA Analysis of the LAGOON Landing Gear Configuration. 2013,		11	
56	Broadband Scattering of the Turbulence-Interaction Noise of a Stationary Airfoil: Experimental Validation of a Semi-Analytical Model. <i>International Journal of Aeroacoustics</i> , <b>2013</b> , 12, 83-102	2.1	8	
55	Experimental and numerical study on noise reduction mechanisms of the airfoil with serrated trailing edge. <b>2014</b> ,		3	
54	Lattice <b>B</b> oltzmann Aeroacoustic Analysis of the LAGOON Landing-Gear Configuration. <i>AIAA Journal</i> , <b>2014</b> , 52, 1232-1248	2.1	52	
53	Experimental study of vortexEtructure interaction noise radiated from rodEirfoil configurations. <i>Journal of Fluids and Structures</i> , <b>2014</b> , 51, 313-325	3.1	11	
52	Aerodynamic Noise Prediction for a Rod-Airfoil Configuration using Large Eddy Simulations. <b>2014</b> ,		10	
51	Numerical investigation on body-wake flow interaction over rodlirfoil configuration. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 779, 1-35	3.7	40	
50	A sponge-layer damping technique for aeroacoustic Time-Reversal. <i>Journal of Sound and Vibration</i> , <b>2015</b> , 342, 124-151	3.9	16	
49	Noise Source Analysis of a RodAirfoil Configuration Using Unstructured Large-Eddy Simulation. <i>AIAA Journal</i> , <b>2015</b> , 53, 1062-1077	2.1	39	
48	Rod-Airfoil Interaction Noise Reduction Using Leading Edge Serrations. 2015,		7	

Noise control by a rotating rod in a rod-airfoil configuration. 2015, 2 47 46 Acoustic effects of a rotationally oscillating rod in a rod-airfoil configuration. 2015, Mechanisms of sound amplification and sound reduction in the flapping flight of side-by-side 45 3.9 7 airfoils. Journal of Sound and Vibration, 2015, 346, 216-228 On the acoustic signature of tandem airfoils: The sound of an elastic airfoil in the wake of a vortex 44 4.4 generator. *Physics of Fluids*, **2016**, 28, 071905 Numerical assessment of the tonal noise of Counter-Rotating Open Rotors at approach. 43 2.1 5 International Journal of Aeroacoustics, 2016, 15, 23-40 Numerical analysis of aerodynamic noise mitigation via leading edge serrations for a rodlirfoil 42 2.1 24 configuration. International Journal of Aeroacoustics, 2016, 15, 734-756 A flow control technique for noise reduction of a rod-airfoil configuration. Journal of Fluids and 41 3.1 12 Structures, 2017, 69, 293-307 Analysis of flow induced noise sources in a horizontal Francis turbine. 2017, 40 Broadband noise prediction using large eddy simulation and a frequency domain method. Applied 39 3.1 9 Acoustics, 2017, 117, 94-105 A comparison of time-reversal and cross-spectral beamforming for localizing experimental 38 8 7.8 rod-airfoil interaction noise sources. Mechanical Systems and Signal Processing, 2018, 111, 456-491 Aeroacoustic analysis of an airfoil with Gurney flap based on time-resolved particle image 37 3.9 2 velocimetry measurements. Journal of Sound and Vibration, 2018, 422, 490-505 Prediction of the Acoustics Field Characteristics Generated by a Rod-Airfoil Configuration. 2018, 36 Improvement of the Near Wall Treatment in Large Eddy Simulation for Aeroacoustic Applications. 35 3 2018. Numerical Analysis of a Linear Cascade Model for Rotor-Stator Interaction Aeroacoustics. 2018, 34 Numerical Investigation of Wavy Leading Edges on Rodairfoil Interaction Noise. AIAA Journal, 2.1 19 33 2018, 56, 2553-2567 32 Flow Characteristics of a Wing in a Cylinder Wake. **2019**, Prediction of Noise Mitigation by Porous Media based on a Direct-Hybrid CFD/CAA Method. 2019, 31 2 A rod-linear cascade model for emulating rotor-stator interaction noise in turbofans: A numerical 30 4.9 11 study. Aerospace Science and Technology, 2019, 90, 275-288

## (2021-2019)

29	Grid Convergence Study for Detached-Eddy Simulation of Flow over Rod-Airfoil Configuration Using OpenFOAM. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 491, 012023	0.4	О
28	Hybrid Aeroacoustic Computations: State of Art and New Achievements. <i>Journal of Theoretical and Computational Acoustics</i> , <b>2019</b> , 27, 1950020	0.8	14
27	Numerical Study on Noise Reduction of the Turbomachinery Blade Self-noise with Serrated Trailing Edge. <b>2019</b> ,		
26	Numerical investigation of noise generation by rod-airfoil configuration using DES (SU2) and the FW-H analogy. <b>2019</b> ,		1
25	Implementation of a FWH approach in a high-order LES tool for aeroacoustic noise predictions. <b>2020</b> ,		2
24	Accurate finite-volume high-order compact interpolation with non-orthogonal and non-uniform grids for computational aeroacoustics. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1509, 012005	0.3	1
23	Investigation of turbulence-induced quadrupole source acoustic characteristics of a three-dimensional hydrofoil. <i>Modern Physics Letters B</i> , <b>2020</b> , 34, 2050145	1.6	2
22	Flow/noise control of a rodlirfoil configuration using flatural rod-base blowing[INumerical experiments. <i>European Journal of Mechanics, B/Fluids</i> , <b>2020</b> , 83, 99-113	2.4	8
21	Investigation on rod-airfoil noise with high-order cell-centered finite difference method and acoustic analogy. <i>Aerospace Science and Technology</i> , <b>2020</b> , 102, 105851	4.9	6
20	Reducing Aerodynamic Noise in a Rod-Airfoil Using Suction and Blowing Control Method. <i>International Journal of Applied Mechanics</i> , <b>2020</b> , 12, 2050036	2.4	7
19	A comparison between off and on-body control surfaces for the FW-H equation: Application to a non-compact landing gear wheel. <i>Journal of Sound and Vibration</i> , <b>2021</b> , 490, 115730	3.9	О
18	Noise characteristic analysis and sound sources identification for rodlirfoil interaction using different subgrid-scale models. <i>E3S Web of Conferences</i> , <b>2021</b> , 233, 04036	0.5	3
17	NUMERICAL INVESTIGATION OF ROD-AIRFOIL CONFIGURATION AEROACOUSTIC CHARACTERISTICS USING FFOWCS-WILLIAMS-HAWKINGS EQUATIONS. <i>Journal of Thermal Engineering</i> , 58-70	1.1	
16	Effect of Upstream Side Flow of Wind Turbine on Aerodynamic Noise: Simulation Using Open-Loop Vibration in the Rod in Rod-Airfoil Configuration. <i>Energies</i> , <b>2021</b> , 14, 1170	3.1	4
15	Effect of geometric parameters on the noise generated by rod-airfoil configuration. <i>Applied Acoustics</i> , <b>2021</b> , 177, 107908	3.1	2
14	Numerical Investigation of Riblets on Rod-Airfoil Interaction Noise. <i>Lecture Notes in Electrical Engineering</i> , <b>2022</b> , 62-68	0.2	
13	Wake-Body Interaction Noise Simulated by the Coupling Method Using CFD and BEM.		
12	Effects of the Circular Trailing Edge on the Aerodynamic Noise of the Micro Axial Flow Fan. <i>Modeling and Simulation</i> , <b>2021</b> , 10, 1032-1042	Ο	

11	RodAirfoil Interaction Noise at Different Rod Cross Sections and Airfoil Angles. <i>AIAA Journal</i> , 1-16	2.1	1
10	RodAirfoil Interaction Noise Reduction Using Gradient Distributed Porous Leading Edges. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 4941	2.6	
9	Utilization of Whale-inspired Leading-edge Tubercles for Airfoil Noise Reduction. <i>Journal of Bionic Engineering</i> ,	2.7	
8	Numerical Investigation of Airfoil Self-noise Control by Trailing-edge Blowing. 2022,		
7	Flow and Noise Characteristics of Blunt-Trailing-Edge Flat Plate with an Upstream Cylinder. 1-15		О
6	Reduction of noise generated by cylinder-airfoil interaction using grooved structures on the upstream cylinder. 1475472X2211368		1
5	Validating Confined Flame Noise Simulation Using External Sensor. <b>2022</b> , 22, 8039		О
4	A DNS investigation by LBM: Acoustic characteristics of a flow around rod-hydrofoil configuration at different angles of attack. <b>2022</b> , 266, 112779		O
3	Aeroacoustics noise prediction for the airfoil-rod benchmark using high-order large eddy simulation on unstructured grids and the acoustic analogy approach in frequency-domain. 2023,		О
2	Study on flow-induced noise propagation mechanism of cylinderlirfoil interference model by using large eddy simulation combined with vortexlicoustic equation. <b>2023</b> , 13, 035305		О
1	Active control of airfoil turbulent boundary layer noise with trailing-edge blowing. <b>2023</b> , 153, 2115-2130		0