

Bikash Mahato

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

117
citations

1478505

6
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

35
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of sound generation by flow past a circular cylinder performing rotary oscillations using direct simulation approach. <i>Physics of Fluids</i> , 2019, 31, .	4.0	31
2	Direct simulation of sound generation by a two-dimensional flow past a wedge. <i>Physics of Fluids</i> , 2018, 30, .	4.0	18
3	Joint Optimization of the Spatial and the Temporal Discretization Scheme for Accurate Computation of Acoustic Problems. <i>Communications in Computational Physics</i> , 2018, 24, .	1.7	13
4	Mitigation of aerodynamic sound for a laminar flow past a square cylinder using a pair of cowl plates. <i>Physics of Fluids</i> , 2020, 32, 076108.	4.0	11
5	Construction, Analysis and Application of Coupled Compact Difference Scheme in Computational Acoustics and Fluid Flow Problems. <i>Communications in Computational Physics</i> , 2015, 18, 957-984.	1.7	10
6	New time-marching methods for compressible Navier-Stokes equations with applications to aeroacoustics problems. <i>Applied Mathematics and Computation</i> , 2022, 419, 126863.	2.2	8
7	Prediction of the aerodynamic sound generated due to flow over a cylinder performing combined steady rotation and rotary oscillations. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 325-336.	1.1	7
8	Modulation of sound waves for flow past a rotary oscillating cylinder in a non-synchronous region. <i>Physics of Fluids</i> , 2019, 31, .	4.0	5
9	Computation of Aeroacoustics and Fluid Flow Problems Using a Novel Dispersion Relation Preserving Scheme. <i>Journal of Theoretical and Computational Acoustics</i> , 2020, 28, 1850063.	1.1	5
10	Effective control of aeolian tone using a pair of splitter plates. <i>Journal of Sound and Vibration</i> , 2021, 494, 115906.	3.9	5
11	New optimized implicit-explicit Runge-Kutta methods with applications to the hyperbolic conservation laws. <i>Journal of Computational Physics</i> , 2021, 446, 110650.	3.8	4
12	A higher-order numerical analysis to study the flow physics and to optimize the design of a short-dwell blade coaters for higher efficiency. <i>Journal of Physics: Conference Series</i> , 2021, 2090, 012053.	0.4	0