Bikash Mahato

List of Publications by Year
in descending order

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