

Arnab Samanta

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

113
citations

1684188

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h-index

1372567

10
g-index

24
all docs

24
docs citations

24
times ranked

78
citing authors

#	ARTICLE	IF	CITATIONS
1	Robustness of Acoustic Analogies for Predicting Mixing-Layer Noise. AIAA Journal, 2006, 44, 2780-2786.	2.6	29
2	Finite-wavelength scattering of incident vorticity and acoustic waves at a shrouded-jet exit. Journal of Fluid Mechanics, 2008, 612, 407-438.	3.4	17
3	Parabolized stability equation models of large-scale jet mixing noise. Procedia Engineering, 2010, 6, 64-73.	1.2	13
4	Computational Modeling and Experiments of Natural Convection for a Titan Montgolfiere. AIAA Journal, 2010, 48, 1007-1016.	2.6	13
5	The stability of compressible swirling pipe flows with density stratification. Journal of Fluid Mechanics, 2017, 823, 689-715.	3.4	11
6	The Robustness of Acoustic Analogies. , 2005, , .		7
7	Parabolized stability equation models for predicting large-scale mixing noise of turbulent round jets. , 2011, , .		7
8	A model supersonic buried-nozzle jet: instability and acoustic wave scattering and the far-field sound. Journal of Fluid Mechanics, 2015, 778, 189-215.	3.4	4
9	Transient energy growth of a swirling jet with vortex breakdown. Journal of Fluid Mechanics, 2018, 856, 288-322.	3.4	3
10	On the axisymmetric stability of heated supersonic round jets. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20150817.	2.1	2
11	Inviscid and viscous global stability of vortex rings. Journal of Fluid Mechanics, 2020, 902, .	3.4	2
12	Reply by the Authors to G. E. Dorrington. AIAA Journal, 2011, 49, 877-878.	2.6	1
13	Numerical and Experimental Modeling of Natural Convection for a Cryogenic Prototype of a Titan Montgolfiere. , 2011, , .		1
14	The Role of Global Thermoacoustic Modes in Energy Exchange of a Finite-length Thermally-driven Duct. , 2019, , .		1
15	Sources of Sound and its Radiation from Twin Turbulent Jets. , 2020, , .		1
16	Linear models for sound from supersonic reacting mixing layers. Physical Review Fluids, 2016, 1, .	2.5	1
17	Acoustic reflection of vorticity waves at a shrouded-jet exit in "howling" resonances. , 2008, , .		0
18	Reprint of: Parabolized stability equation models of large-scale jet mixing noise. Procedia IUTAM, 2010, 1, 64-73.	1.2	0

#	ARTICLE	IF	CITATIONS
19	Modeling and Simulation of Hydrodynamic Interaction of DNA in a Micro-Fluidic Channel. , 2013, , .		0
20	Upstream Radiation from Supersonic Buried-nozzle Jets via Scattering at the Shroud Edge. , 2015, , .		0
21	Effect of Heating and Compressibility on the Instability of Supersonic Jets. , 2016, , .		0
22	Global thermoacoustic oscillations in a thermally driven pulse tube. Theoretical and Computational Fluid Dynamics, 2019, 33, 433-461.	2.2	0
23	Sources of Sound and their Radiation in Twin Turbulent Jets. , 2019, , .		0
24	Publisher's Note: Linear models for sound from supersonic reacting mixing layers [Phys. Rev. Fluids 1 , 083801 (2016)]. Physical Review Fluids, 2017, 2, .	2.5	0