

Arnab Samanta

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3518973/publications.pdf>

Version: 2024-02-01

24
papers

113
citations

1684188

5
h-index

1372567

10
g-index

24
all docs

24
docs citations

24
times ranked

78
citing authors

#	ARTICLE	IF	CITATIONS
1	Inviscid and viscous global stability of vortex rings. <i>Journal of Fluid Mechanics</i> , 2020, 902, .	3.4	2
2	Sources of Sound and its Radiation from Twin Turbulent Jets. , 2020, , .		1
3	Global thermoacoustic oscillations in a thermally driven pulse tube. <i>Theoretical and Computational Fluid Dynamics</i> , 2019, 33, 433-461.	2.2	0
4	Sources of Sound and their Radiation in Twin Turbulent Jets. , 2019, , .		0
5	The Role of Global Thermoacoustic Modes in Energy Exchange of a Finite-length Thermally-driven Duct. , 2019, , .		1
6	Transient energy growth of a swirling jet with vortex breakdown. <i>Journal of Fluid Mechanics</i> , 2018, 856, 288-322.	3.4	3
7	The stability of compressible swirling pipe flows with density stratification. <i>Journal of Fluid Mechanics</i> , 2017, 823, 689-715.	3.4	11
8	Publisher's Note: Linear models for sound from supersonic reacting mixing layers [<i>Phys. Rev. Fluids</i> 1 , 083801 (2016)]. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	0
9	On the axisymmetric stability of heated supersonic round jets. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20150817.	2.1	2
10	Effect of Heating and Compressibility on the Instability of Supersonic Jets. , 2016, , .		0
11	Linear models for sound from supersonic reacting mixing layers. <i>Physical Review Fluids</i> , 2016, 1, .	2.5	1
12	A model supersonic buried-nozzle jet: instability and acoustic wave scattering and the far-field sound. <i>Journal of Fluid Mechanics</i> , 2015, 778, 189-215.	3.4	4
13	Upstream Radiation from Supersonic Buried-nozzle Jets via Scattering at the Shroud Edge. , 2015, , .		0
14	Modeling and Simulation of Hydrodynamic Interaction of DNA in a Micro-Fluidic Channel. , 2013, , .		0
15	Reply by the Authors to G. E. Dorrington. <i>AIAA Journal</i> , 2011, 49, 877-878.	2.6	1
16	Parabolized stability equation models for predicting large-scale mixing noise of turbulent round jets. , 2011, , .		7
17	Numerical and Experimental Modeling of Natural Convection for a Cryogenic Prototype of a Titan Montgolfiere. , 2011, , .		1
18	Parabolized stability equation models of large-scale jet mixing noise. <i>Procedia Engineering</i> , 2010, 6, 64-73.	1.2	13

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19	Reprint of: Parabolized stability equation models of large-scale jet mixing noise. Procedia IUTAM, 2010, 1, 64-73.	1.2	0
20	Computational Modeling and Experiments of Natural Convection for a Titan Montgolfiere. AIAA Journal, 2010, 48, 1007-1016.	2.6	13
21	Acoustic reflection of vorticity waves at a shrouded-jet exit in "howling" resonances. , 2008, , .		0
22	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
23	Robustness of Acoustic Analogies for Predicting Mixing-Layer Noise. AIAA Journal, 2006, 44, 2780-2786.	2.6	29
24	The Robustness of Acoustic Analogies. , 2005, , .		7