

Jyotirmoy Dey

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

130
citations

1684188

5
h-index

1199594

12
g-index

19
all docs

19
docs citations

19
times ranked

89
citing authors

#	ARTICLE	IF	CITATIONS
1	A study on boundary-layer transition induced by free-stream turbulence. Journal of Fluid Mechanics, 2010, 660, 114-146.	3.4	59
2	An experimental study of boundary layer transition induced by a cylinder wake. Journal of Fluid Mechanics, 2011, 684, 60-84.	3.4	27
3	Transitional intermittency distribution in a three-dimensional constant pressure diverging flow. Experiments in Fluids, 1996, 21, 259-263.	2.4	8
4	Particle image velocimetry studies of an incipient spot in the Blasius boundary layer. Experiments in Fluids, 2006, 40, 928-941.	2.4	5
5	Evolution of isolated streamwise vortices in the late stages of boundary layer transition. Experiments in Fluids, 2010, 48, 431-440.	2.4	5
6	Effect of a mesh on boundary layer transitions induced by free-stream turbulence and an isolated roughness element. Journal of Fluid Mechanics, 2015, 772, 445-477.	3.4	5
7	A note on the linear instability of the Blasius flow. Acta Mechanica, 1998, 128, 253-258.	2.1	4
8	On the Momentum Balance in Linear-Combination Models for the Transition Zone. Journal of Turbomachinery, 2000, 122, 587-588.	1.7	4
9	Transformation of a laterally diverging boundary layer flow to a two-dimensional boundary layer flow. Zeitschrift Fur Angewandte Mathematik Und Physik, 1997, 48, 694-698.	1.4	3
10	Linear instability of flow over a semi-infinite plate in a stream with uniform shear. Acta Mechanica, 2005, 180, 245-250.	2.1	2
11	Local structure of boundary layer transition in experiments with a single streamwise vortex. Experimental Thermal and Fluid Science, 2015, 68, 381-391.	2.7	2
12	On the low frequency linear instability of the Blasius flow. Acta Mechanica, 2001, 150, 263-266.	2.1	1
13	Mechanism of instability of Falkner-Skan flows. Acta Mechanica, 2003, 164, 75-89.	2.1	1
14	A model for turbulent dissipation rate in a constant pressure boundary layer. Sadhana - Academy Proceedings in Engineering Sciences, 2016, 41, 435-439.	1.3	1
15	Boundary layer transition experiments with embedded streamwise vortices. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	1.3	1
16	A Reynolds shear stress model for constant-pressure boundary layers. Physics of Fluids, 2021, 33, 055117.	4.0	1
17	Constant Pressure Laminar, Transitional and Turbulent Flowsâ€™ An Approximate Unified Treatment. Journal of Fluids Engineering, Transactions of the ASME, 2002, 124, 806-808.	1.5	1
18	An extension of Mangler transformation to a 3-D problem. Sadhana - Academy Proceedings in Engineering Sciences, 2011, 36, 971-975.	1.3	0

#	ARTICLE	IF	CITATIONS
19	Intermediate layer scaling in the inner layer of turbulent pipe flow and zero-pressure-gradient boundary layer. <i>Physics of Fluids</i> , 2021, 33, 115125.	4.0	0