

Asim Mukhopadhyay

List of Publications by Year in descending order

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15
papers

223
citations

1040056

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996975

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15
all docs

15
docs citations

15
times ranked

75
citing authors

#	ARTICLE	IF	CITATIONS
1	Waves on a film of power-law fluid flowing down an inclined plane at moderate Reynolds number. Fluid Dynamics Research, 2001, 29, 199-220.	1.3	32
2	Waves on the surface of a falling power-law fluid film. International Journal of Non-Linear Mechanics, 2003, 38, 21-38.	2.6	28
3	Nonlinear stability of viscous film flowing down an inclined plane with linear temperature variation. Journal Physics D: Applied Physics, 2007, 40, 5683-5690.	2.8	21
4	Thermocapillary instability and wave formation on a viscous film flowing down an inclined plane with linear temperature variation: Effect of odd viscosity. Physics of Fluids, 2021, 33, .	4.0	19
5	Stability of conducting liquid flowing down an inclined plane at moderate Reynolds number in the presence of constant electromagnetic field. International Journal of Non-Linear Mechanics, 2008, 43, 632-642.	2.6	18
6	Stability of conducting viscous film flowing down an inclined plane with linear temperature variation in the presence of a uniform normal electric field. International Journal of Heat and Mass Transfer, 2009, 52, 709-715.	4.8	18
7	Bifurcation analysis of the travelling waves on a falling power-law fluid film. Journal of Non-Newtonian Fluid Mechanics, 2007, 141, 128-137.	2.4	15
8	Hydrodynamics and instabilities of falling liquid film over a non-uniformly heated inclined wavy bottom. Physics of Fluids, 2020, 32, .	4.0	15
9	Long-Wave Instabilities of Viscoelastic Fluid Film Flowing Down an Inclined Plane with Linear Temperature Variation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 618-632.	1.5	13
10	Stability of a thin viscous fluid film flowing down a rotating non-uniformly heated inclined plane. Acta Mechanica, 2011, 216, 225-242.	2.1	10
11	Hydrodynamic instability and wave formation of a viscous film flowing down a slippery inclined substrate: Effect of odd-viscosity. European Journal of Mechanics, B/Fluids, 2021, 89, 161-170.	2.5	9
12	Long-wave instabilities of evaporating/condensing viscous film flowing down a wavy inclined wall: Interfacial phase change effect of uniform layers. Physics of Fluids, 2022, 34, .	4.0	8
13	Waves and instabilities of viscoelastic fluid film flowing down an inclined wavy bottom. Physical Review E, 2020, 102, 023117.	2.1	6
14	Interfacial phase change effect on a viscous falling film having odd viscosity down an inclined plane. International Journal of Multiphase Flow, 2021, 143, 103728.	3.4	6
15	Surface wave and thermocapillary instabilities on flowing film under the sway of Hall viscosity. Physica D: Nonlinear Phenomena, 2022, 439, 133404.	2.8	5