

Kausik S Das

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

155
citations

1477746

6
h-index

1199166

12
g-index

17
all docs

17
docs citations

17
times ranked

183
citing authors

#	ARTICLE	IF	CITATIONS
1	Confined growth of a vapour bubble in a capillary tube at initially uniform superheat: Experiments and modelling. International Journal of Heat and Mass Transfer, 2006, 49, 4653-4671.	2.5	54
2	Resistance Switching and Memristive Hysteresis in Visible-Light-Activated Adsorbed ZnO Thin Films. Scientific Reports, 2018, 8, 2184.	1.6	30
3	Surface thermal capacity and its effects on the boundary conditions at fluid-fluid interfaces. Physical Review E, 2007, 75, 065303.	0.8	27
4	Plasma generation by household microwave oven for surface modification and other emerging applications. American Journal of Physics, 2021, 89, 372-382.	0.3	12
5	Immiscible displacement of oil by water in a microchannel: Asymmetric flow behavior and nonlinear stability analysis of core-annular flow. Physical Review E, 2012, 85, 026309.	0.8	11
6	Stability of evaporating water when heated through the vapor and the liquid phases. Physical Review E, 2010, 81, 036318.	0.8	8
7	Dynamics of a two-dimensional vapor bubble confined between superheated or subcooled parallel plates. Physical Review E, 2010, 81, 046314.	0.8	4
8	Boundary condition induced passive chaotic mixing in straight microchannels. Physics of Fluids, 2022, 34, .	1.6	4
9	Onset of convection in a binary mixture near the plait point. Physical Review E, 2000, 61, 5191-5194.	0.8	2
10	Marangoni convection on an inhomogeneous substrate. Physical Review E, 1999, 59, 5407-5411.	0.8	1
11	Rayleigh-Marangoni convection in a critical fluid: A tale of two crossovers. Physical Review E, 2001, 64, 016311.	0.8	1
12	Parametric internal waves in a compressible fluid. Nonlinearity, 2009, 22, 2981-2990.	0.6	1
13	Marangoni attractors. Physica A: Statistical Mechanics and Its Applications, 1999, 270, 173-181.	1.2	0
14	Nonlinear model for Marangoni convection. Physical Review E, 2000, 63, 012601.	0.8	0
15	Universality in crossover function for convection in fluids with a free surface. Physica B: Condensed Matter, 2009, 404, 2285-2288.	1.3	0
16	Steady parallel flow in an evaporating fluid heated from sidewalls. Physica B: Condensed Matter, 2009, 404, 3986-3990.	1.3	0
17	Anomalous electrical response in ethanol-adsorbed zinc oxide thin films under visible light. , 2017, , .		0