

Kentaro Kanatani

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

88
citations

1478505

6
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

108
citing authors

#	ARTICLE	IF	CITATIONS
1	Droplet motion with phase change in a temperature gradient. <i>Physical Review E</i> , 2005, 72, 066304.	2.1	21
2	A model of a solar cavity receiver with coiled tubes. <i>Solar Energy</i> , 2017, 153, 249-261.	6.1	20
3	Nonlinear dynamics of confined thin liquid-vapor bilayer systems with phase change. <i>Physics of Fluids</i> , 2011, 23, .	4.0	13
4	Interfacial instability induced by lateral vapor pressure fluctuation in bounded thin liquid-vapor layers. <i>Physics of Fluids</i> , 2010, 22, 012101.	4.0	12
5	Effects of convection and diffusion of the vapour in evaporating liquid films. <i>Journal of Fluid Mechanics</i> , 2013, 732, 128-149.	3.4	6
6	Stability of a condensing liquid film in a binary vapor mixture system. <i>International Journal of Heat and Mass Transfer</i> , 2013, 58, 413-419.	4.8	6
7	On the critical thickness and wavelength of a condensing thin liquid film in a binary vapor mixture system. <i>International Journal of Heat and Mass Transfer</i> , 2015, 80, 199-205.	4.8	3
8	Reconsideration of correlation for condensation outside a vertical tube in the presence of noncondensable gas. <i>International Journal of Heat and Mass Transfer</i> , 2019, 136, 427-435.	4.8	3
9	Telegraph-Type versus Diffusion-Type Models of Turbulent Relative Dispersion. <i>Journal of the Physical Society of Japan</i> , 2009, 78, 024401.	1.6	3
10	Nonlinear effect of surface disturbances on mass flux and its modeling in Marangoni dropwise condensation. <i>International Journal of Heat and Mass Transfer</i> , 2016, 94, 419-425.	4.8	1