

Yutaku Kita

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9572240/publications.pdf>

Version: 2024-02-01

13
papers

267
citations

1307594

7
h-index

1474206

9
g-index

13
all docs

13
docs citations

13
times ranked

262
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of ambient temperature and relative humidity on interfacial temperature during early stages of drop evaporation. <i>Physical Review E</i> , 2016, 93, 043103.	2.1	77
2	Induction of Marangoni convection in pure water drops. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	48
3	Influence of Local Heating on Marangoni Flows and Evaporation Kinetics of Pure Water Drops. <i>Langmuir</i> , 2017, 33, 5666-5674.	3.5	42
4	Quantifying vapor transfer into evaporating ethanol drops in a humid atmosphere. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19430-19440.	2.8	37
5	Drop mobility on superhydrophobic microstructured surfaces with wettability contrasts. <i>Soft Matter</i> , 2018, 14, 9418-9424.	2.7	29
6	On the onset of quench during spray cooling: The significance of oxide layers. <i>Applied Thermal Engineering</i> , 2020, 179, 115682.	6.0	15
7	Quenching mechanism of spray cooling and the effect of system pressure. <i>International Journal of Heat and Mass Transfer</i> , 2022, 190, 122795.	4.8	9
8	Drop Evaporation on Rough Hot-Spots: Effect of Wetting Modes. <i>Heat Transfer Engineering</i> , 2020, 41, 1654-1662.	1.9	7
9	Performance improvement of a falling-film-type heat exchanger by insertion of shafts with screw blade in a heat exchanger tube. <i>Applied Thermal Engineering</i> , 2016, 102, 55-62.	6.0	3
10	Coupled Water and Ethanol Vapour Transfer to and from Volatile Ethanol Drops in Humid Air: Diffusion Model Revisited. , 2021, , 111-114.		0
11	Influence of relative humidity and ambient temperature on hydrothermal waves (HTWs) of organic solvent volatile drops. <i>The Proceedings of the Thermal Engineering Conference</i> , 2016, 2016, C131.	0.0	0
12	UNVEILING THERMOCAPILLARY CONVECTION IN PURE WATER DROPS. , 2018, , .		0
13	DROP MOBILITY ON SUPERHYDROPHOBIC SURFACES WITH WETTABILITY CONTRASTS. , 2018, , .		0