Yutaku Kita

List of Publications by Year
in descending order

13	267	1307594	1474206
papers	citations	7 h-index	9 g-index

13	13	13	262
all docs	docs citations	times ranked	citing authors

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