

Ho Jae Kwak

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1670795/publications.pdf>

Version: 2024-02-01

8
papers

188
citations

1684188
5
h-index

1720034
7
g-index

8
all docs

8
docs citations

8
times ranked

218
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical heat flux triggering mechanism on micro-structured surfaces: Coalesced bubble departure frequency and liquid furnishing capability. <i>International Journal of Heat and Mass Transfer</i> , 2015, 91, 1237-1247.	4.8	69
2	Synchrotron x-ray imaging visualization study of capillary-induced flow and critical heat flux on surfaces with engineered micropillars. <i>Science Advances</i> , 2018, 4, e1701571.	10.3	44
3	Nanogrossed Zigzag Structures To Promote Coalescence-Induced Droplet Jumping. <i>Langmuir</i> , 2019, 35, 9093-9099.	3.5	33
4	Boiling crisis controlled by capillary pumping and viscous friction: Liquid penetration length and dry spot diameter. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	24
5	Wetting Criteria of Intrinsic Contact Angle To Distinguish between Hydrophilic and Hydrophobic Micro-/Nanotextured Surfaces: Experimental and Theoretical Analysis with Synchrotron X-ray Imaging. <i>Langmuir</i> , 2019, 35, 3607-3614.	3.5	13
6	Pressure Drop with Moving Contact Lines and Dynamic Contact Angles in a Hydrophobic Round Minichannel: Visualization via Synchrotron X-ray Imaging and Verification of Experimental Correlations. <i>Langmuir</i> , 2020, 36, 11207-11214.	3.5	3
7	Dynamic contact angles and pressure drop at moving contact lines of water/ethanol mixture slug in hydrophobic capillary tubes via synchrotron x-ray imaging. <i>Physics of Fluids</i> , 2022, 34, .	4.0	2
8	10.1063/5.0076779.1. , 2022, , .		0