

# 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  
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1720034  
7  
g-index

8  
all docs

8  
docs citations

8  
times ranked

218  
citing authors

#	ARTICLE	IF	CITATIONS
1	10.1063/5.0076779.1., 2022, , .		0
2	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
3	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
4	Nanogrossed Zigzag Structures To Promote Coalescence-Induced Droplet Jumping. <i>Langmuir</i> , 2019, 35, 9093-9099.	3.5	33
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	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
7	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
8	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