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Heat transfer measurement during dropwise condensation using micro/nano-scale porous surface

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#	Paper	IF	Citations
61	Electric-field-enhanced condensation on superhydrophobic nanostructured surfaces. <i>ACS Nano</i> , 2013 , 7, 11043-54	16.7	144
60	Surface engineering for phase change heat transfer: A review. <i>MRS Energy & Sustainability</i> , 2014 , 1, 1	2.2	217
59	Lattice Boltzmann modeling of droplet condensation on superhydrophobic nanoarrays. <i>Langmuir</i> , 2014 , 30, 12559-69	4	43
58	A comparison of condensation heat transfer performance of MWCNT/Fe composite coatings on steel substrate. <i>Journal of Mechanical Science and Technology</i> , 2014 , 28, 1589-1596	1.6	6
57	Thermally Triggered Transition of Superhydrophobic Characteristics of Micro- and Nanotextured Multiscale Rough Surfaces. <i>Journal of Physical Chemistry C</i> , 2015 , 150610094322003	3.8	24
56	Experimental investigation of condensation heat transfer on hybrid wettability finned tube with large amount of noncondensable gas. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 85, 513-523	4.9	53
55	Dropwise steam condensation on various hydrophobic surfaces: Polyphenylene sulfide (PPS), polytetrafluoroethylene (PTFE), and self-assembled micro/nano silver (SAMS). <i>International Journal of Heat and Mass Transfer</i> , 2015 , 89, 353-358	4.9	32
54	Experimental study on directional motion of a single droplet on cactus spines. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 84, 198-202	4.9	29
53	Recent Developments in Altered Wettability for Enhancing Condensation. 2015 , 85-131		5
52	Dropwise condensation of low surface tension fluids on omniphobic surfaces. <i>Scientific Reports</i> , 2014 , 4, 4158	4.9	129
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49	Experimental research on wetting behavior of refrigerant bil mixture on micro/nanostructured surface. <i>International Journal of Refrigeration</i> , 2016 , 62, 207-221	3.8	5
48	The effect of surface wettability on water vapor condensation in nanoscale. <i>Scientific Reports</i> , 2016 , 6, 19192	4.9	39
47	Effect of carbon nanofiber surface morphology on convective heat transfer from cylindrical surface: Synthesis, characterization and heat transfer measurement. <i>International Journal of Thermal Sciences</i> , 2016 , 105, 13-21	4.1	12
46	Performance enhancement of a two-phase closed thermosiphon with a thin porous copper coating. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 82, 9-19	5.8	39
45	Superhydrophobic Si nanowires for enhanced condensation heat transfer. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 111, 614-623	4.9	43

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42	Experimental study of condensation heat transfer on hydrophobic vertical tube. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 120, 305-315	4.9	13
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37	Droplet departure modeling and a heat transfer correlation for dropwise flow condensation in hydrophobic mini-channels. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 125, 1096-1104	4.9	12
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23	Influence of surface wettability on heat transfer and pressure drop characteristics of wet air in metal foam under dehumidifying conditions. <i>International Journal of Thermal Sciences</i> , 2019 , 135, 331-343	4.1	7
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12	Effect of layer-by-layer assembled carbon nanotube coatings on dropwise condensation heat transfer associated with non-condensable gas effect. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 175, 121345	4.9	5
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