

Devahdhanush Vs

List of Publications by Year in descending order

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14
papers

285
citations

840776

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1058476

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all docs

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docs citations

14
times ranked

76
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental results and interfacial lift-off model predictions of critical heat flux for flow boiling with subcooled inlet conditions “ In preparation for experiments onboard the International Space Station. International Journal of Heat and Mass Transfer, 2022, 183, 122241.	4.8	15
2	Experimental heat transfer results and flow visualization of vertical upflow boiling in Earth gravity with subcooled inlet conditions “ In preparation for experiments onboard the International Space Station. International Journal of Heat and Mass Transfer, 2022, 188, 122603.	4.8	19
3	Flow visualization, heat transfer, and critical heat flux of flow boiling in Earth gravity with saturated liquidâ€vapor mixture inlet conditions “ In preparation for experiments onboard the International Space Station. International Journal of Heat and Mass Transfer, 2022, 192, 122890.	4.8	13
4	Subcooled flow boiling heat transfer in a partially-heated rectangular channel at different orientations in Earth gravity. International Journal of Heat and Mass Transfer, 2022, 195, 123200.	4.8	12
5	Review of Critical Heat Flux (CHF) in Jet Impingement Boiling. International Journal of Heat and Mass Transfer, 2021, 169, 120893.	4.8	20
6	Assessing advantages and disadvantages of macro- and micro-channel flow boiling for high-heat-flux thermal management using computational and theoretical/empirical methods. International Journal of Heat and Mass Transfer, 2021, 169, 120787.	4.8	26
7	Critical Heat Flux of Confined Round Single Jet and Jet Array Impingement Boiling. International Journal of Heat and Mass Transfer, 2021, 169, 120857.	4.8	5
8	Experimental investigation of subcooled flow boiling in annuli with reference to thermal management of ultra-fast electric vehicle charging cables. International Journal of Heat and Mass Transfer, 2021, 172, 121176.	4.8	20
9	Consolidated theoretical/empirical predictive method for subcooled flow boiling in annuli with reference to thermal management of ultra-fast electric vehicle charging cables. International Journal of Heat and Mass Transfer, 2021, 175, 121224.	4.8	11
10	Experimental and analytical investigation of flow loop induced instabilities in micro-channel heat sinks. International Journal of Heat and Mass Transfer, 2019, 140, 303-330.	4.8	20
11	Investigation of subcooled and saturated boiling heat transfer mechanisms, instabilities, and transient flow regime maps for large length-to-diameter ratio micro-channel heat sinks. International Journal of Heat and Mass Transfer, 2018, 123, 172-191.	4.8	49
12	Frequency analysis of pressure oscillations in large length-to-diameter two-phase micro-channel heat sinks. International Journal of Heat and Mass Transfer, 2018, 116, 273-291.	4.8	31
13	Pressure drop characteristics of large length-to-diameter two-phase micro-channel heat sinks. International Journal of Heat and Mass Transfer, 2017, 115, 1258-1275.	4.8	17
14	Assessment of body force effects in flow condensation, part II: Criteria for negating influence of gravity. International Journal of Heat and Mass Transfer, 2017, 106, 313-328.	4.8	27