

# Devahdhanush Vs

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

285  
citations

840776

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h-index

1058476

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docs citations

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times ranked

76  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	Review of Critical Heat Flux (CHF) in Jet Impingement Boiling. International Journal of Heat and Mass Transfer, 2021, 169, 120893.	4.8	20
7	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
8	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
9	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
10	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
11	Flow visualization, heat transfer, and critical heat flux of flow boiling in Earth gravity with saturated liquid-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
12	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
13	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
14	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