

# Anoop B Kanjirakat

## List of Publications by Citations

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29  
papers

1,402  
citations

15  
h-index

33  
g-index

33  
ext. papers

1,558  
ext. citations

3.4  
avg, IF

4.59  
L-index

#	Paper	IF	Citations
29	Effect of particle size on the convective heat transfer in nanofluid in the developing region. <i>International Journal of Heat and Mass Transfer</i> , <b>2009</b> , 52, 2189-2195	4.9	423
28	Rheological and flow characteristics of nanofluids: Influence of electroviscous effects and particle agglomeration. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 034909	2.5	188
27	Entropy generation due to flow and heat transfer in nanofluids. <i>International Journal of Heat and Mass Transfer</i> , <b>2010</b> , 53, 4757-4767	4.9	166
26	Mechanism of enhancement/deterioration of boiling heat transfer using stable nanoparticle suspensions over vertical tubes. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 074317	2.5	103
25	Rheology of mineral oil-SiO <sub>2</sub> nanofluids at high pressure and high temperatures. <i>International Journal of Thermal Sciences</i> , <b>2014</b> , 77, 108-115	4.1	62
24	Experimental study of forced convective heat transfer of nanofluids in a microchannel. <i>International Communications in Heat and Mass Transfer</i> , <b>2012</b> , 39, 1325-1330	5.8	59
23	Thermal evaluation of nanofluids in heat exchangers. <i>International Communications in Heat and Mass Transfer</i> , <b>2013</b> , 49, 5-9	5.8	56
22	Model for thermal conductivity of CNT-nanofluids. <i>Bulletin of Materials Science</i> , <b>2008</b> , 31, 387-390	1.7	54
21	Survey on nucleate pool boiling of nanofluids: the effect of particle size relative to roughness. <i>Journal of Nanoparticle Research</i> , <b>2008</b> , 10, 1099-1108	2.3	47
20	Effect of surface orientation on pool boiling heat transfer of nanoparticle suspensions. <i>International Journal of Multiphase Flow</i> , <b>2008</b> , 34, 145-160	3.6	44
19	Effects of compressibility and transition to turbulence on flow through microchannels. <i>International Journal of Heat and Mass Transfer</i> , <b>2009</b> , 52, 2196-2204	4.9	30
18	Heat transfer characteristics of double, triple and hexagonally-arranged droplet train impingement arrays. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 110, 562-575	4.9	28
17	Numerical and experimental investigations of crown propagation dynamics induced by droplet train impingement. <i>International Journal of Heat and Fluid Flow</i> , <b>2016</b> , 57, 24-33	2.4	22
16	A Computational Fluid Dynamics Study on the Effect of Carbon Particle Seeding for the Improvement of Solar Reactor Performance. <i>Journal of Heat Transfer</i> , <b>2010</b> , 132,	1.8	17
15	Lagrangian characterization of multi-phase turbulent flow in a solar reactor for particle deposition prediction. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 4496-4507	6.7	17
14	Effects of High Frequency Droplet Train Impingement on Crown Propagation Dynamics and Heat Transfer. <i>Journal of Heat Transfer</i> , <b>2016</b> , 138,	1.8	13
13	High-pressure rheology of alumina-silicone oil nanofluids. <i>Powder Technology</i> , <b>2016</b> , 301, 1025-1031	5.2	13

12	nPIV velocity measurement of nanofluids in the near-wall region of a microchannel. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 284	5	12
11	Near-wall velocity profile measurement for nanofluids. <i>AIP Advances</i> , <b>2016</b> , 6, 015308	1.5	12
10	Effects of High Frequency Droplet Train Impingement on Spreading-Splashing Transition, Film Hydrodynamics and Heat Transfer. <i>Journal of Heat Transfer</i> , <b>2016</b> , 138,	1.8	7
9	Effects of surface forces and non-uniform out-of-plane illumination on the accuracy of nPIV velocimetry. <i>Measurement Science and Technology</i> , <b>2012</b> , 23, 055303	2	7
8	Experimental and Numerical Visualization of Droplet-Induced Crown Splashing Dynamics. <i>Journal of Heat Transfer</i> , <b>2017</b> , 139,	1.8	6
7	Effects of Screen Laminates on Droplet-Induced Film Hydrodynamics and Surface Heat Transfer. <i>Journal of Heat Transfer</i> , <b>2016</b> , 138,	1.8	4
6	Hydrodynamic and heat transfer characteristics of droplet train spreading-splashing transition on heated surface. <i>International Journal of Heat and Mass Transfer</i> , <b>2021</b> , 164, 120500	4.9	3
5	Experimental and Numerical Visualization of Heat Transfer and Hydrodynamics Induced by Double Droplet Train Impingement. <i>Journal of Heat Transfer</i> , <b>2018</b> , 140,	1.8	2
4	Near-Wall Velocimetry in the Impingement-Zones of a Microdroplet and a Round Jet Stream. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2021</b> , 143,	2.1	2
3	Experimental and Numerical Characterization of Droplet-Induced Spreading-Splashing Transition in Surface Cooling <b>2016</b> ,		2
2	Heat Transfer Performance of SiO <sub>2</sub> -Water Nanofluid in a Plate Heat Exchanger <b>2012</b> ,		1
1	Viscosity Measurements of Nanofluids at Elevated Temperatures and Pressures <b>2013</b> ,		1