Anoop B Kanjirakat

List of Publications by Year
in descending order

33 papers	1,712 citations	516215 16 h-index	552369 26 g-index
33 all docs	33 docs citations	33 times ranked	1535 citing authors

#	Article	IF	Citations
1	Effect of particle size on the convective heat transfer in nanofluid in the developing region. International Journal of Heat and Mass Transfer, 2009, 52, 2189-2195.	2.5	516
2	Rheological and flow characteristics of nanofluids: Influence of electroviscous effects and particle agglomeration. Journal of Applied Physics, 2009, 106, .	1.1	219
3	Entropy generation due to flow and heat transfer in nanofluids. International Journal of Heat and Mass Transfer, 2010, 53, 4757-4767.	2.5	202
4	Mechanism of enhancement/deterioration of boiling heat transfer using stable nanoparticle suspensions over vertical tubes. Journal of Applied Physics, 2007, 102, .	1.1	123
5	Rheology of mineral oil-SiO2 nanofluids at high pressure and high temperatures. International Journal of Thermal Sciences, 2014, 77, 108-115.	2.6	76
6	Experimental study of forced convective heat transfer of nanofluids in a microchannel. International Communications in Heat and Mass Transfer, 2012, 39, 1325-1330.	2.9	74
7	Thermal evaluation of nanofluids in heat exchangers. International Communications in Heat and Mass Transfer, 2013, 49, 5-9.	2.9	70
8	Model for thermal conductivity of CNT-nanofluids. Bulletin of Materials Science, 2008, 31, 387-390.	0.8	66
9	Survey on nucleate pool boiling of nanofluids: the effect of particle size relative to roughness. Journal of Nanoparticle Research, 2008, 10, 1099-1108.	0.8	59
10	Effect of surface orientation on pool boiling heat transfer of nanoparticle suspensions. International Journal of Multiphase Flow, 2008, 34, 145-160.	1.6	50
11	Heat transfer characteristics of double, triple and hexagonally-arranged droplet train impingement arrays. International Journal of Heat and Mass Transfer, 2017, 110, 562-575.	2.5	37
12	Effects of compressibility and transition to turbulence on flow through microchannels. International Journal of Heat and Mass Transfer, 2009, 52, 2196-2204.	2.5	36
13	Numerical and experimental investigations of crown propagation dynamics induced by droplet train impingement. International Journal of Heat and Fluid Flow, 2016, 57, 24-33.	1.1	31
14	Lagrangian characterization of multi-phase turbulent flow in a solar reactor for particle deposition prediction. International Journal of Hydrogen Energy, 2010, 35, 4496-4507.	3.8	21
15	A Computational Fluid Dynamics Study on the Effect of Carbon Particle Seeding for the Improvement of Solar Reactor Performance. Journal of Heat Transfer, 2010, 132, .	1.2	20
16	Effects of High Frequency Droplet Train Impingement on Crown Propagation Dynamics and Heat Transfer. Journal of Heat Transfer, 2016, 138, .	1.2	19
17	nPIV velocity measurement of nanofluids in the near-wall region of a microchannel. Nanoscale Research Letters, 2012, 7, 284.	3.1	15
18	High-pressure rheology of alumina-silicone oil nanofluids. Powder Technology, 2016, 301, 1025-1031.	2.1	15

#	Article	IF	Citations
19	Near-wall velocity profile measurement for nanofluids. AIP Advances, 2016, 6, 015308.	0.6	12
20	Effects of High Frequency Droplet Train Impingement on Spreading-Splashing Transition, Film Hydrodynamics and Heat Transfer. Journal of Heat Transfer, 2016, 138, .	1.2	10
21	Hydrodynamic and heat transfer characteristics of droplet train spreading-splashing transition on heated surface. International Journal of Heat and Mass Transfer, 2021, 164, 120500.	2.5	10
22	Effects of surface forces and non-uniform out-of-plane illumination on the accuracy of nPIV velocimetry. Measurement Science and Technology, 2012, 23, 055303.	1.4	7
23	Experimental and Numerical Visualization of Droplet-Induced Crown Splashing Dynamics. Journal of Heat Transfer, 2017, 139, .	1.2	6
24	Effects of Screen Laminates on Droplet-Induced Film Hydrodynamics and Surface Heat Transfer. Journal of Heat Transfer, 2016, 138, .	1.2	4
25	Near-Wall Velocimetry in the Impingement-Zones of a Microdroplet and a Round Jet Stream. Journal of Fluids Engineering, Transactions of the ASME, 2021, 143, .	0.8	4
26	Experimental and Numerical Visualization of Heat Transfer and Hydrodynamics Induced by Double Droplet Train Impingement. Journal of Heat Transfer, 2018, 140, .	1.2	3
27	Application of Nanofluids in a Shell-and-Tube Heat Exchanger. , 2013, , .		2
28	Experimental and Numerical Characterization of Droplet-Induced Spreading-Splashing Transition in Surface Cooling. , 2016, , .		2
29	A CFD Study on the Effect of Carbon Particle Seeding for the Improvement of Solar Reactor Performance. , 2010, , .		1
30	Heat Transfer Performance of SiO₂-Water Nanofluid in a Plate Heat Exchanger. , 2012, , .		1
31	Viscosity Measurements of Nanofluids at Elevated Temperatures and Pressures. , 2013, , .		1
32	Experimental Convective Heat Transfer With Nanofluids. , 2008, , .		0
33	Rheological studies of a water based drilling mud suspended with carbon nano particles. , 2018, , .		0