Sasidhar Kondaraju

List of Publications by Year
in descending order

14	191	1163117 8	1125743 13
papers	citations	h-index	g-index

14	14	14	177
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prediction of droplet sizes in a T-junction microchannel: Effect of dispersed phase inertial forces. Physics of Fluids, 2021, 33, .	4.0	23
2	Numerical investigation of multiple droplet growth dynamics on a solid surface using three-dimensional lattice Boltzmann simulations. AIP Advances, 2021, 11, 045116.	1.3	1
3	Droplet Impact and Spreading on Inclined Surfaces. Langmuir, 2021, 37, 13737-13745.	3.5	15
4	A fully coupled hybrid lattice Boltzmann and finite difference method-based study of transient electrokinetic flows. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200423.	2.1	5
5	Analytical model for predicting maximum spread of droplet impinging on solid surfaces. Physics of Fluids, 2020, 32, .	4.0	27
6	Symmetric and asymmetric coalescence of droplets on a solid surface in the inertia-dominated regime. Physics of Fluids, 2019, 31, .	4.0	13
7	Study of Microdroplet Growth on Homogeneous and Patterned Surfaces Using Lattice Boltzmann Modeling. Journal of Heat Transfer, 2019, 141, .	2.1	10
8	Modeling and Simulation of Dropwise Condensation: A Review. Journal of the Indian Institute of Science, 2019, 99, 157-171.	1.9	21
9	Mathematical Model for Dropwise Condensation on a Surface With Wettability Gradient. Journal of Heat Transfer, 2018, 140, .	2.1	14
10	Capillary Displacement of Viscous Liquids in Geometries with Axial Variations. Langmuir, 2016, 32, 10513-10521.	3.5	26
11	Effect of hydrodynamic and fluid-solid interaction forces on the shape and stability of a droplet sedimenting on a horizontal wall. Physical Review E, 2013, 88, 013013.	2.1	3
12	Study of aggregational characteristics of emulsions on their rheological properties using the lattice Boltzmann approach. Soft Matter, 2012, 8, 1374-1384.	2.7	26
13	Direct numerical simulation of modulation of isotropic turbulence by polyâ€dispersed particles. International Journal for Numerical Methods in Fluids, 2012, 69, 1237-1248.	1.6	1
14	Two-phase numerical model for thermal conductivity and convective heat transfer in nanofluids. Nanoscale Research Letters, 2011, 6, 239.	5.7	6