

Sasidhar Kondaraju

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

191
citations

1163117

8
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

177
citing authors

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