

Suresh Alapati

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

14
papers

94
citations

6
h-index

9
g-index

14
ext. papers

108
ext. citations

2
avg, IF

2.73
L-index

#	Paper	IF	Citations
14	Numerical simulation of the electro-convective onset and complex flows of dielectric liquid in an annulus. <i>Journal of Mechanical Science and Technology</i> , 2012 , 26, 3785-3793	1.6	16
13	Parallel computation of two-phase flow in a microchannel using the lattice Boltzmann method. <i>Journal of Mechanical Science and Technology</i> , 2009 , 23, 2492-2501	1.6	15
12	Numerical and theoretical study on the mechanism of biopolymer translocation process through a nano-pore. <i>Journal of Chemical Physics</i> , 2011 , 135, 055103	3.9	13
11	Effect of mode stirrers in a multimode microwave-heating applicator with the conveyor belt. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2015 , 2, 31-36	3.8	9
10	Simulation of Sedimentation of a Sphere in a Viscous Fluid Using the Lattice Boltzmann Method Combined with the Smoothed Profile Method. <i>Advances in Mechanical Engineering</i> , 2015 , 7, 794198	1.2	8
9	Numerical simulation of the electrophoretic transport of a biopolymer through a synthetic nano-pore. <i>Molecular Simulation</i> , 2011 , 37, 466-477	2	8
8	Enhancement of mixing within a micro cavity by use of transient induced-charge electro-osmotic flow around micro electrodes. <i>Journal of Mechanical Science and Technology</i> , 2011 , 25, 1495-1499	1.6	5
7	Lattice Boltzmann Method Combined with the Smoothed Profile Method for the Simulation of Particulate Flows with Heat Transfer. <i>Heat Transfer Engineering</i> , 2019 , 40, 166-183	1.7	5
6	Simulation of Natural Convection in a Concentric Hexagonal Annulus Using the Lattice Boltzmann Method Combined with the Smoothed Profile Method. <i>Mathematics</i> , 2020 , 8, 1043	2.3	4
5	Effect of Nanopore Length on the Translocation Process of a Biopolymer: Numerical Study. <i>Materials</i> , 2013 , 6, 3989-4000	3.5	4
4	Simulation by using the lattice Boltzmann method of microscopic particle motion induced by artificial cilia. <i>Journal of the Korean Physical Society</i> , 2016 , 68, 1307-1316	0.6	3
3	Facile Synthesis of Coral Reef-Like ZnO/CoS ₂ Nanostructure on Nickel Foam as an Advanced Electrode Material for High-Performance Supercapacitors. <i>Energies</i> , 2021 , 14, 4925	3.1	2
2	Effect of defect location on the swimming speed of a microscopic artificial swimmer: A numerical study. <i>Journal of Mechanical Science and Technology</i> , 2015 , 29, 1823-1828	1.6	1
1	Computation of the electrostatic force on a cylindrical colloidal particle: Comparison of the Poisson-Nernst-Planck model and the Poisson-Boltzmann model. <i>Journal of the Korean Physical Society</i> , 2012 , 60, 1102-1113	0.6	1