

Suresh Alapati

List of Publications by Year in Descending Order

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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 | 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 |
| 13 | 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 |
| 12 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |
| 8 | 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 |
| 7 | Effect of Nanopore Length on the Translocation Process of a Biopolymer: Numerical Study. <i>Materials</i> , 2013 , 6, 3989-4000 | 3.5 | 4 |
| 6 | 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 |
| 5 | 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 |
| 4 | Numerical simulation of the electrophoretic transport of a biopolymer through a synthetic nano-pore. <i>Molecular Simulation</i> , 2011 , 37, 466-477 | 2 | 8 |
| 3 | 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 |
| 2 | 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 |
| 1 | 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 |