

Dolfred Vijay Fernandes

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.

10
papers

87
citations

6
h-index

9
g-index

14
ext. papers

111
ext. citations

1.8
avg, IF

2.24
L-index

#	Paper	IF	Citations
10	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
9	Numerical simulation and design optimization of an electrohydrodynamic pump for dielectric liquids. <i>International Journal of Heat and Fluid Flow</i> , 2016 , 57, 1-10	2.4	15
8	Electrohydrodynamic instability of dielectric liquid between concentric circular cylinders subjected to unipolar charge injection. <i>Journal of Mechanical Science and Technology</i> , 2013 , 27, 461-467	1.6	14
7	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
6	Electrohydrodynamic flow of dielectric liquid around a wire electrode - effect of truncation of onsager function. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 194-200	2.3	8
5	Numerical simulation of the electrophoretic transport of a biopolymer through a synthetic nano-pore. <i>Molecular Simulation</i> , 2011 , 37, 466-477	2	8
4	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
3	Electrohydrodynamic flow of dielectric liquid around a wire electrode - effect of truncation of onsager function. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 194-200	2.3	4
2	Numerical estimation of ion transport and electroosmotic flow around a pair of cylindrical electrodes in a microchannel using immersed boundary method. <i>Journal of Mechanical Science and Technology</i> , 2010 , 24, 2467-2477	1.6	3
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