

Jianfei Xie

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

348
citations

933447

10
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

269
citing authors

#	ARTICLE	IF	CITATIONS
1	A mean free path approach to the micro/nanochannel gas flows. <i>Advances in Aerodynamics</i> , 2020, 2, .	2.5	5
2	Effective mean free path and viscosity of confined gases. <i>Physics of Fluids</i> , 2019, 31, .	4.0	24
3	A test of the effectiveness of pore scale fluid flow simulations and constitutive equations for modelling the effects of mineral dissolution on rock permeability. <i>Chemical Geology</i> , 2018, 483, 501-510.	3.3	5
4	Influence of travelling surface waves on nanofluidic viscosity. <i>Computers and Fluids</i> , 2018, 160, 42-50.	2.5	2
5	Relative permeabilities of supercritical CO ₂ and brine in carbon sequestration by a two-phase lattice Boltzmann method. <i>Heat and Mass Transfer</i> , 2017, 53, 2637-2649.	2.1	9
6	Fast nanofluidics by travelling surface waves. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	10
7	Effect of various surface conditions on nanochannel flows past permeable walls. <i>Molecular Simulation</i> , 2017, 43, 65-75.	2.0	14
8	Nanochannel flow past permeable walls via molecular dynamics. <i>AIP Advances</i> , 2016, 6, .	1.3	8
9	Two approaches to modelling the heating of evaporating droplets. <i>International Communications in Heat and Mass Transfer</i> , 2014, 57, 353-356.	5.6	20
10	A kinetic model of droplet heating and evaporation: Effects of inelastic collisions and a non-unity evaporation coefficient. <i>International Journal of Heat and Mass Transfer</i> , 2013, 56, 525-537.	4.8	22
11	A solution of the Boltzmann equation in the presence of inelastic collisions. <i>Journal of Computational Physics</i> , 2013, 232, 87-99.	3.8	14
12	Molecular Dynamics Study of Condensation/Evaporation and Velocity Distribution of N-Dodecane at Liquid-Vapour Phase Equilibria. <i>Journal of Thermal Science and Technology</i> , 2012, 7, 288-300.	1.1	26
13	Numerical modeling of free surface flow over submerged and highly flexible vegetation. <i>Advances in Water Resources</i> , 2011, 34, 468-477.	3.8	47
14	Molecular dynamics study on evaporation and condensation of n-dodecane at liquid-vapor phase equilibria. <i>Journal of Chemical Physics</i> , 2011, 134, 164309.	3.0	67
15	Molecular dynamics study of the processes in the vicinity of the n-dodecane vapour/liquid interface. <i>Physics of Fluids</i> , 2011, 23, .	4.0	51
16	Simulation of natural convection under high magnetic field by means of the thermal lattice Boltzmann method. <i>Chinese Physics B</i> , 2009, 18, 4083-4093.	1.4	24
17	Multiple-GPUs Algorithm for Lattice Boltzmann Method. , 2008, , .		0