

# 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	Molecular dynamics study on evaporation and condensation of n-dodecane at liquid-vapor phase equilibria. Journal of Chemical Physics, 2011, 134, 164309.	3.0	67
2	Molecular dynamics study of the processes in the vicinity of the n-dodecane vapour/liquid interface. Physics of Fluids, 2011, 23, .	4.0	51
3	Numerical modeling of free surface flow over submerged and highly flexible vegetation. Advances in Water Resources, 2011, 34, 468-477.	3.8	47
4	Molecular Dynamics Study of Condensation/Evaporation and Velocity Distribution of N-Dodecane at Liquid-Vapour Phase Equilibria. Journal of Thermal Science and Technology, 2012, 7, 288-300.	1.1	26
5	Simulation of natural convection under high magnetic field by means of the thermal lattice Boltzmann method. Chinese Physics B, 2009, 18, 4083-4093.	1.4	24
6	Effective mean free path and viscosity of confined gases. Physics of Fluids, 2019, 31, .	4.0	24
7	A kinetic model of droplet heating and evaporation: Effects of inelastic collisions and a non-unity evaporation coefficient. International Journal of Heat and Mass Transfer, 2013, 56, 525-537.	4.8	22
8	Two approaches to modelling the heating of evaporating droplets. International Communications in Heat and Mass Transfer, 2014, 57, 353-356.	5.6	20
9	A solution of the Boltzmann equation in the presence of inelastic collisions. Journal of Computational Physics, 2013, 232, 87-99.	3.8	14
10	Effect of various surface conditions on nanochannel flows past permeable walls. Molecular Simulation, 2017, 43, 65-75.	2.0	14
11	Fast nanofluidics by travelling surface waves. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	10
12	Relative permeabilities of supercritical CO2 and brine in carbon sequestration by a two-phase lattice Boltzmann method. Heat and Mass Transfer, 2017, 53, 2637-2649.	2.1	9
13	Nanochannel flow past permeable walls via molecular dynamics. AIP Advances, 2016, 6, .	1.3	8
14	A test of the effectiveness of pore scale fluid flow simulations and constitutive equations for modelling the effects of mineral dissolution on rock permeability. Chemical Geology, 2018, 483, 501-510.	3.3	5
15	A mean free path approach to the micro/nanochannel gas flows. Advances in Aerodynamics, 2020, 2, .	2.5	5
16	Influence of travelling surface waves on nanofluidic viscosity. Computers and Fluids, 2018, 160, 42-50.	2.5	2
17	Multiple-GPUs Algorithm for Lattice Boltzmann Method. , 2008, , .		0