

Chunhua Zhang

List of Publications by Year in descending order

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13
papers

192
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1163117

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108
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved well-balanced free-energy lattice Boltzmann model for two-phase flow with high Reynolds number and large viscosity ratio. <i>Physics of Fluids</i> , 2022, 34, .	4.0	19
2	Discrete unified gas-kinetic scheme for the conservative Allen-Cahn equation. <i>Physical Review E</i> , 2022, 105, 045317.	2.1	5
3	Well-balanced discrete unified gas-kinetic scheme for two-phase systems. <i>Physics of Fluids</i> , 2022, 34, .	4.0	8
4	Lattice Boltzmann study of three-dimensional immiscible Rayleighâ€”Taylor instability in turbulent mixing stage. <i>Frontiers of Physics</i> , 2022, 17, 1.	5.0	7
5	On the formulations of interfacial force in the phaseâ€”fieldâ€”based lattice Boltzmann method. <i>International Journal for Numerical Methods in Fluids</i> , 2021, 93, 2225-2248.	1.6	6
6	Lattice-Boltzmann model for van der Waals fluids with liquid-vapor phase transition. <i>International Journal of Heat and Mass Transfer</i> , 2021, 179, 121741.	4.8	8
7	Lattice Boltzmann method for fractional Cahn-Hilliard equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 91, 105443.	3.3	11
8	Local reactive boundary scheme for irregular geometries in lattice Boltzmann method. <i>International Journal of Heat and Mass Transfer</i> , 2020, 150, 119314.	4.8	12
9	Modeling surfactant-laden droplet dynamics by lattice Boltzmann method. <i>Physics of Fluids</i> , 2020, 32, .	4.0	25
10	High-order lattice-Boltzmann model for the Cahn-Hilliard equation. <i>Physical Review E</i> , 2019, 99, 043310.	2.1	22
11	A fractional step lattice Boltzmann model for two-phase flow with large density differences. <i>International Journal of Heat and Mass Transfer</i> , 2019, 138, 1128-1141.	4.8	24
12	Spontaneous shrinkage of droplet on a wetting surface in the phase-field model. <i>Physical Review E</i> , 2019, 100, 061302.	2.1	9
13	A discrete unified gas-kinetic scheme for immiscible two-phase flows. <i>International Journal of Heat and Mass Transfer</i> , 2018, 126, 1326-1336.	4.8	36