

# Chunhua Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3400930/publications.pdf>

Version: 2024-02-01

13  
papers

192  
citations

1163117

8  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

108  
citing authors

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