

Zhaoli Guo

List of Publications by Year in descending order

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229
papers

13,108
citations

34105

52
h-index

26613

107
g-index

232
all docs

232
docs citations

232
times ranked

4361
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular insight into oil displacement by CO ₂ flooding on rough silica surface. <i>Journal of Supercritical Fluids</i> , 2022, 181, 105507.	3.2	9
2	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
3	Graded thermal conductivity in 2D and 3D homogeneous hotspot systems. <i>Materials Today Physics</i> , 2022, 22, 100605.	6.0	18
4	Simulation of three-dimensional forced compressible isotropic turbulence by a redesigned discrete unified gas kinetic scheme. <i>Physics of Fluids</i> , 2022, 34, 025106.	4.0	8
5	Molecular kinetic modelling of nanoscale slip flow using a continuum approach. <i>Journal of Fluid Mechanics</i> , 2022, 939, .	3.4	8
6	Molecular insight into replacement dynamics of CO ₂ enhanced oil recovery in nanopores. <i>Chemical Engineering Journal</i> , 2022, 440, 135796.	12.7	22
7	Discrete unified gas-kinetic scheme for the conservative Allen-Cahn equation. <i>Physical Review E</i> , 2022, 105, 045317.	2.1	5
8	Well-balanced discrete unified gas-kinetic scheme for two-phase systems. <i>Physics of Fluids</i> , 2022, 34, .	4.0	8
9	Evaluation of different particle-actuation modes in molecular dynamics and their impact on nanoscale flow behaviors. <i>Physics of Fluids</i> , 2022, 34, .	4.0	6
10	Progress of discrete unified gas-kinetic scheme for multiscale flows. <i>Advances in Aerodynamics</i> , 2021, 3, .	2.5	46
11	Oscillatory Couette flow of rarefied binary gas mixtures. <i>Physics of Fluids</i> , 2021, 33, .	4.0	11
12	Well-balanced lattice Boltzmann model for two-phase systems. <i>Physics of Fluids</i> , 2021, 33, .	4.0	33
13	On the formulations of interfacial force in the phase-field-based lattice Boltzmann method. <i>International Journal for Numerical Methods in Fluids</i> , 2021, 93, 2225-2248.	1.6	6
14	Laminar to turbulent flow transition inside the boundary layer adjacent to isothermal wall of natural convection flow in a cubical cavity. <i>International Journal of Heat and Mass Transfer</i> , 2021, 167, 120822.	4.8	13
15	Pore-scale study of miscible density-driven mixing flow in porous media. <i>Physics of Fluids</i> , 2021, 33, .	4.0	13
16	Designing a consistent implementation of the discrete unified gas-kinetic scheme for the simulation of three-dimensional compressible natural convection. <i>Physics of Fluids</i> , 2021, 33, .	4.0	15
17	A Coupled Discrete Unified Gas-Kinetic Scheme for Convection Heat Transfer in Porous Media. <i>Communications in Computational Physics</i> , 2021, 29, 265-291.	1.7	2
18	Pore-scale study of non-ideal gas dynamics under tight confinement considering rarefaction, denseness and molecular interactions. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 90, 103916.	4.4	8

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19	Oscillatory square cavity flows of binary gas mixtures. <i>Physics of Fluids</i> , 2021, 33, 067121.	4.0	6
20	An improved discrete unified gas kinetic scheme for simulating compressible natural convection flows. <i>Journal of Computational Physics: X</i> , 2021, 11, 100088.	0.7	4
21	Development of unsteady natural convection in a square cavity under large temperature difference. <i>Physics of Fluids</i> , 2021, 33, .	4.0	14
22	A fast synthetic iterative scheme for the stationary phonon Boltzmann transport equation. <i>International Journal of Heat and Mass Transfer</i> , 2021, 174, 121308.	4.8	12
23	Contribution quantification of nanoscale gas transport in shale based on strongly inhomogeneous kinetic model. <i>Energy</i> , 2021, 228, 120545.	8.8	22
24	Heat vortices of ballistic and hydrodynamic phonon transport in two-dimensional materials. <i>International Journal of Heat and Mass Transfer</i> , 2021, 176, 121282.	4.8	10
25	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
26	A transient heat conduction phenomenon to distinguish the hydrodynamic and (quasi) ballistic phonon transport. <i>International Journal of Heat and Mass Transfer</i> , 2021, 181, 121847.	4.8	9
27	Sub-nanometre pore adsorption of methane in kerogen. <i>Chemical Engineering Journal</i> , 2021, 426, 130984.	12.7	12
28	An exact non-equilibrium extrapolation scheme for pressure and velocity boundary conditions with large gradients in the lattice Boltzmann method. <i>Computers and Fluids</i> , 2021, 231, 105163.	2.5	9
29	Lax-Wendroff type solver for two-phase system to restrain parasitic currents. <i>Physics of Fluids</i> , 2021, 33, 107113.	4.0	0
30	Discrete unified gas kinetic scheme for steady multiscale neutron transport. <i>Journal of Computational Physics</i> , 2020, 423, 109767.	3.8	8
31	Perturbation theory of thermal rectification. <i>Physical Review E</i> , 2020, 102, 042106.	2.1	5
32	Radial thermal rectification in concentric silicon ring from ballistic to diffusive regime. <i>International Journal of Heat and Mass Transfer</i> , 2020, 153, 119665.	4.8	5
33	Heat vortex in hydrodynamic phonon transport of two-dimensional materials. <i>Scientific Reports</i> , 2020, 10, 8272.	3.3	21
34	A multiscale study of density-driven flow with dissolution in porous media. <i>Advances in Water Resources</i> , 2020, 142, 103640.	3.8	7
35	Molecular Insight into Microbehaviors of <i>n</i> -Decane and CO ₂ in Mineral Nanopores. <i>Energy & Fuels</i> , 2020, 34, 2925-2935.	5.1	17
36	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

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37	Discrete unified gas kinetic scheme for all Knudsen number flows. IV. Strongly inhomogeneous fluids. <i>Physical Review E</i> , 2020, 101, 043303.	2.1	10
38	Simulation of three-dimensional compressible decaying isotropic turbulence using a redesigned discrete unified gas kinetic scheme. <i>Physics of Fluids</i> , 2020, 32, .	4.0	29
39	Discrete unified gas kinetic scheme for multiscale anisotropic radiative heat transfer. <i>Advances in Aerodynamics</i> , 2020, 2, .	2.5	10
40	A Well-Balanced Gas Kinetic Scheme for Navier-Stokes Equations with Gravitational Potential. <i>Communications in Computational Physics</i> , 2020, 28, 902-926.	1.7	3
41	Effects of heat transfer on flame stability limits in a planar micro-combustor partially filled with porous medium. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 5645-5654.	3.9	67
42	High-order lattice-Boltzmann model for the Cahn-Hilliard equation. <i>Physical Review E</i> , 2019, 99, 043310.	2.1	22
43	Review of micro seepage mechanisms in shale gas reservoirs. <i>International Journal of Heat and Mass Transfer</i> , 2019, 139, 144-179.	4.8	51
44	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
45	Pore-scale simulations of rarefied gas flows in ultra-tight porous media. <i>Fuel</i> , 2019, 249, 341-351.	6.4	24
46	Discrete unified gas kinetic scheme for multiscale heat transfer with arbitrary temperature difference. <i>International Journal of Heat and Mass Transfer</i> , 2019, 134, 1127-1136.	4.8	21
47	Effect of interaction between a particle cluster and a single particle on particle motion and distribution during sedimentation: A numerical study. <i>Physics of Fluids</i> , 2019, 31, .	4.0	25
48	GPU acceleration of an iterative scheme for gas-kinetic model equations with memory reduction techniques. <i>Computer Physics Communications</i> , 2019, 245, 106861.	7.5	8
49	Spontaneous shrinkage of droplet on a wetting surface in the phase-field model. <i>Physical Review E</i> , 2019, 100, 061302.	2.1	9
50	A multi-level parallel solver for rarefied gas flows in porous media. <i>Computer Physics Communications</i> , 2019, 234, 14-25.	7.5	37
51	Validation of a two-dimensional gas-kinetic scheme for compressible natural convection on structured and unstructured meshes. <i>International Journal of Thermal Sciences</i> , 2019, 136, 299-315.	4.9	9
52	An implicit kinetic scheme for multiscale heat transfer problem accounting for phonon dispersion and polarization. <i>International Journal of Heat and Mass Transfer</i> , 2019, 130, 1366-1376.	4.8	29
53	Discrete unified gas kinetic scheme for flows of binary gas mixture based on the McCormack model. <i>Physics of Fluids</i> , 2019, 31, .	4.0	34
54	Application of discrete unified gas kinetic scheme to thermally induced nonequilibrium flows. <i>Computers and Fluids</i> , 2019, 193, 103613.	2.5	24

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55	A lattice-BGK model for the Navier–Stokes equations based on a rectangular grid. <i>Computers and Mathematics With Applications</i> , 2019, 78, 1076-1094.	2.7	6
56	A lattice-Boltzmann scheme of the Navier–Stokes equation on a three-dimensional cuboid lattice. <i>Computers and Mathematics With Applications</i> , 2019, 78, 1053-1075.	2.7	9
57	An inverse design analysis of mesoscopic implementation of non-uniform forcing in MRT lattice Boltzmann models. <i>Computers and Mathematics With Applications</i> , 2019, 78, 1095-1114.	2.7	4
58	Lattice Boltzmann model for high-order nonlinear partial differential equations. <i>Physical Review E</i> , 2018, 97, 013304.	2.1	29
59	Molecular dynamics study of interfacial properties in CO ₂ enhanced oil recovery. <i>Fluid Phase Equilibria</i> , 2018, 467, 25-32.	2.5	51
60	Numerical study on mass transfer from a composite particle settling in a vertical channel. <i>International Journal of Heat and Mass Transfer</i> , 2018, 117, 132-142.	4.8	2
61	Direct numerical simulation of turbulent pipe flow using the lattice Boltzmann method. <i>Journal of Computational Physics</i> , 2018, 357, 16-42.	3.8	40
62	A comparative study of discrete velocity methods for low-speed rarefied gas flows. <i>Computers and Fluids</i> , 2018, 161, 33-46.	2.5	70
63	Preconditioned multiple-relaxation-time lattice Boltzmann equation model for incompressible flow in porous media. <i>Physical Review E</i> , 2018, 98, .	2.1	9
64	Molecular dynamics simulation to estimate minimum miscibility pressure for oil with pure and impure CO ₂ . <i>Journal of Physics Communications</i> , 2018, 2, 115028.	1.2	21
65	Molecular Modeling of CO ₂ and n-Octane in Solubility Process and Î±-Quartz Nanoslit. <i>Energies</i> , 2018, 11, 3045.	3.1	7
66	A combined immersed boundary and discrete unified gas kinetic scheme for particle–fluid flows. <i>Journal of Computational Physics</i> , 2018, 375, 498-518.	3.8	45
67	Discrete unified gas kinetic scheme for all Knudsen number flows. III. Binary gas mixtures of Maxwell molecules. <i>Physical Review E</i> , 2018, 97, 053306.	2.1	37
68	Numerical investigation of dilute aerosol particle transport and deposition in oscillating multi-cylinder obstructions. <i>Advanced Powder Technology</i> , 2018, 29, 2003-2018.	4.1	13
69	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
70	Issues associated with Galilean invariance on a moving solid boundary in the lattice Boltzmann method. <i>Physical Review E</i> , 2017, 95, 013301.	2.1	9
71	A numerical study on the migration of a neutrally buoyant particle in a Poiseuille flow with thermal convection. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 2158-2168.	4.8	23
72	DUGKS simulations of three-dimensional Taylor–Green vortex flow and turbulent channel flow. <i>Computers and Fluids</i> , 2017, 155, 9-21.	2.5	51

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73	Numerical study of nonequilibrium gas flow in a microchannel with a ratchet surface. <i>Physical Review E</i> , 2017, 95, 023113.	2.1	23
74	CFD study on stability limits of hydrogen/air premixed flames in planar micro-combustors with catalytic walls. <i>Applied Thermal Engineering</i> , 2017, 121, 325-335.	6.0	24
75	Numerical study of three-dimensional natural convection in a cubical cavity at high Rayleigh numbers. <i>International Journal of Heat and Mass Transfer</i> , 2017, 113, 217-228.	4.8	78
76	Numerical study on the sedimentation of single and multiple slippery particles in a Newtonian fluid. <i>Powder Technology</i> , 2017, 315, 126-138.	4.2	25
77	Performance evaluation of the general characteristics based off-lattice Boltzmann scheme and DUGKS for low speed continuum flows. <i>Journal of Computational Physics</i> , 2017, 333, 227-246.	3.8	42
78	A unified implicit scheme for kinetic model equations. Part I. Memory reduction technique. <i>Science Bulletin</i> , 2017, 62, 119-129.	9.0	31
79	An efficient unified iterative scheme for moving boundaries in lattice Boltzmann method. <i>Computers and Fluids</i> , 2017, 144, 34-43.	2.5	18
80	dugksFoam: An open source OpenFOAM solver for the Boltzmann model equation. <i>Computer Physics Communications</i> , 2017, 213, 155-164.	7.5	43
81	Gas-Solid Drag Coefficient for Ordered Arrays of Monodisperse Microspheres in Slip Flow Regime. <i>Chemical Engineering and Technology</i> , 2017, 40, 1758-1766.	1.5	7
82	Lattice Boltzmann model capable of mesoscopic vorticity computation. <i>Physical Review E</i> , 2017, 96, 053304.	2.1	8
83	Drag correlation for micro spherical particles at finite Reynolds and Knudsen numbers by lattice Boltzmann simulations. <i>Journal of Aerosol Science</i> , 2017, 103, 105-116.	3.8	18
84	Pore-scale study on reactive mixing of miscible solutions with viscous fingering in porous media. <i>Computers and Fluids</i> , 2017, 155, 146-160.	2.5	24
85	Unified implicit kinetic scheme for steady multiscale heat transfer based on the phonon Boltzmann transport equation. <i>Physical Review E</i> , 2017, 96, 063311.	2.1	18
86	Thermally induced rarefied gas flow in a three-dimensional enclosure with square cross-section. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	8
87	Lattice Boltzmann simulation of separation phenomenon in a binary gaseous flow through a microchannel. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	14
88	Boundary scheme for linear heterogeneous surface reactions in the lattice Boltzmann method. <i>Physical Review E</i> , 2016, 94, 053307.	2.1	18
89	A Multiple-Relaxation-Time Lattice Boltzmann Model for General Nonlinear Anisotropic Convection-Diffusion Equations. <i>Journal of Scientific Computing</i> , 2016, 69, 355-390.	2.3	122
90	Localized lattice Boltzmann equation model for simulating miscible viscous displacement in porous media. <i>International Journal of Heat and Mass Transfer</i> , 2016, 100, 767-778.	4.8	30

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91	A comparative study on the lattice Boltzmann models for predicting effective diffusivity of porous media. <i>International Journal of Heat and Mass Transfer</i> , 2016, 98, 687-696.	4.8	92
92	A semi-implicit gas-kinetic scheme for smooth flows. <i>Computer Physics Communications</i> , 2016, 205, 22-31.	7.5	5
93	Simplification of the unified gas kinetic scheme. <i>Physical Review E</i> , 2016, 94, 023313.	2.1	23
94	Discrete unified gas kinetic scheme for multiscale heat transfer based on the phonon Boltzmann transport equation. <i>International Journal of Heat and Mass Transfer</i> , 2016, 102, 944-958.	4.8	77
95	A hydrodynamically-consistent MRT lattice Boltzmann model on a 2D rectangular grid. <i>Journal of Computational Physics</i> , 2016, 326, 893-912.	3.8	18
96	Lattice Boltzmann method for binary fluids based on mass-conserving quasi-incompressible phase-field theory. <i>Physical Review E</i> , 2016, 93, 043303.	2.1	23
97	Numerical study on heat recirculation in a porous micro-combustor. <i>Combustion and Flame</i> , 2016, 171, 152-161.	5.2	88
98	Comparison of the lattice Boltzmann equation and discrete unified gas-kinetic scheme methods for direct numerical simulation of decaying turbulent flows. <i>Physical Review E</i> , 2016, 94, 043304.	2.1	41
99	Discrete unified gas kinetic scheme on unstructured meshes. <i>Computers and Fluids</i> , 2016, 127, 211-225.	2.5	83
100	An investigation on momentum exchange methods and refilling algorithms for lattice Boltzmann simulation of particulate flows. <i>Computers and Fluids</i> , 2016, 133, 1-14.	2.5	66
101	Flow Modulation by Finite-Size Neutrally Buoyant Particles in a Turbulent Channel Flow. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2016, 138, .	1.5	35
102	A modified lattice Bhatnagarâ€“Grossâ€“Krook model for convection heat transfer in porous media. <i>International Journal of Heat and Mass Transfer</i> , 2016, 94, 269-291.	4.8	46
103	Implementation issues and benchmarking of lattice Boltzmann method for moving rigid particle simulations in a viscous flow. <i>Computers and Mathematics With Applications</i> , 2016, 72, 349-374.	2.7	70
104	Fundamental flame characteristics of premixed H ₂ â€“air combustion in a planar porous micro-combustor. <i>Chemical Engineering Journal</i> , 2016, 283, 1187-1196.	12.7	115
105	Designing correct fluid hydrodynamics on a rectangular grid using MRT lattice Boltzmann approach. <i>Computers and Mathematics With Applications</i> , 2016, 72, 288-310.	2.7	15
106	Lattice Boltzmann simulation of particle-laden turbulent channel flow. <i>Computers and Fluids</i> , 2016, 124, 226-236.	2.5	65
107	Lattice Boltzmann study of wettability alteration in the displacement of nanoparticle-filled binary fluids. <i>Computers and Fluids</i> , 2016, 124, 157-169.	2.5	11
108	A coupled lattice Boltzmann model for fluid flow and diffusion in a porous medium. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2016, 65, 014702.	0.5	9

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109	Multiple-relaxation-time lattice Boltzmann model for incompressible miscible flow with large viscosity ratio and high Péclet number. <i>Physical Review E</i> , 2015, 92, 043305.	2.1	47
110	Effects of combustor size and filling condition on stability limits of premixed H_2 -air flames in planar microcombustors. <i>AIChE Journal</i> , 2015, 61, 2571-2580.	3.6	6
111	A coupled discrete unified gas-kinetic scheme for Boussinesq flows. <i>Computers and Fluids</i> , 2015, 120, 70-81.	2.5	36
112	Numerical simulations of immiscible displacement in the cavities via lattice Boltzmann method. <i>International Journal of Modern Physics C</i> , 2015, 26, 1550074.	1.7	6
113	Interface-capturing lattice Boltzmann equation model for two-phase flows. <i>Physical Review E</i> , 2015, 91, 013302.	2.1	18
114	Multiple-relaxation-time lattice Boltzmann model for binary mixtures of nonideal fluids based on the Enskog kinetic theory. <i>Science Bulletin</i> , 2015, 60, 634-647.	9.0	8
115	Discrete unified gas kinetic scheme for all Knudsen number flows. II. Thermal compressible case. <i>Physical Review E</i> , 2015, 91, 033313.	2.1	183
116	Boundary condition for lattice Boltzmann modeling of microscale gas flows with curved walls in the slip regime. <i>Physical Review E</i> , 2015, 91, 043305.	2.1	50
117	A Comparative Study of LBE and DUGKS Methods for Nearly Incompressible Flows. <i>Communications in Computational Physics</i> , 2015, 17, 657-681.	1.7	67
118	Pore-Scale Study of the Non-Linear Mixing of Fluids with Viscous Fingering in Anisotropic Porous Media. <i>Communications in Computational Physics</i> , 2015, 17, 1019-1036.	1.7	7
119	A Localized Mass-Conserving Lattice Boltzmann Approach for Non-Newtonian Fluid Flows. <i>Communications in Computational Physics</i> , 2015, 17, 908-924.	1.7	30
120	Multi-GPU Based Lattice Boltzmann Method for Hemodynamic Simulation in Patient-Specific Cerebral Aneurysm. <i>Communications in Computational Physics</i> , 2015, 17, 960-974.	1.7	26
121	Volume-averaged macroscopic equation for fluid flow in moving porous media. <i>International Journal of Heat and Mass Transfer</i> , 2015, 82, 357-368.	4.8	57
122	A Lattice Boltzmann Model for Simulating Gas Flow in Kerogen Pores. <i>Transport in Porous Media</i> , 2015, 106, 285-301.	2.6	93
123	Numerical study on the fluid flow pass a square cylinder: The temperature-viscosity dependence. <i>International Journal of Modern Physics C</i> , 2014, 25, 1350101.	1.7	0
124	Phase-field-based lattice Boltzmann model for axisymmetric multiphase flows. <i>Physical Review E</i> , 2014, 90, 063311.	2.1	51
125	Shrinkage of bubbles and drops in the lattice Boltzmann equation method for nonideal gases. <i>Physical Review E</i> , 2014, 89, 033302.	2.1	33
126	Generalized second-order slip boundary condition for nonequilibrium gas flows. <i>Physical Review E</i> , 2014, 89, 013021.	2.1	31

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127	Effects of density and force discretizations on spurious velocities in lattice Boltzmann equation for two-phase flows. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 195502.	2.1	5
128	Phase-field-based multiple-relaxation-time lattice Boltzmann model for incompressible multiphase flows. <i>Physical Review E</i> , 2014, 89, 053320.	2.1	166
129	Numerical study of heat transfer enhancement in a pipe filled with porous media by axisymmetric TLB model based on GPU. <i>International Journal of Heat and Mass Transfer</i> , 2014, 70, 1040-1049.	4.8	40
130	A Coupled Lattice Boltzmann Method to Solve Nernst-Planck Model for Simulating Electro-osmotic Flows. <i>Journal of Scientific Computing</i> , 2014, 61, 222-238.	2.3	32
131	Drafting, kissing and tumbling process of two particles with different sizes. <i>Computers and Fluids</i> , 2014, 96, 20-34.	2.5	75
132	Rectangular Lattice Boltzmann Equation for Gaseous Microscale Flow. <i>Advances in Applied Mathematics and Mechanics</i> , 2014, 8, 306-330.	1.2	10
133	Lattice Boltzmann modeling of microscale oscillating Couette flow. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2014, 63, 214703.	0.5	5
134	A lattice Boltzmann study of gas flows in a long micro-channel. <i>Computers and Mathematics With Applications</i> , 2013, 65, 186-193.	2.7	45
135	Discrete unified gas kinetic scheme for all Knudsen number flows: Low-speed isothermal case. <i>Physical Review E</i> , 2013, 88, 033305.	2.1	289
136	Evaluation of outflow boundary conditions for two-phase lattice Boltzmann equation. <i>Physical Review E</i> , 2013, 87, 063301.	2.1	131
137	Lattice Boltzmann method for simulations of gas-particle flows over a backward-facing step. <i>Journal of Computational Physics</i> , 2013, 239, 57-71.	3.8	30
138	Lattice Boltzmann study of flow and mixing characteristics of two-dimensional confined impinging streams with uniform and non-uniform inlet jets. <i>Computers and Mathematics With Applications</i> , 2013, 65, 638-647.	2.7	11
139	Effects of Prandtl number on mixing process in miscible Rayleigh-Taylor instability. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2013, 23, 176-188.	2.8	12
140	Contour detection based on the contextual modulation of non-classical receptive field facilitation and suppression. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
141	Pressure Distribution of the Gaseous Flow in Microchannel: A Lattice Boltzmann Study. <i>Communications in Computational Physics</i> , 2013, 14, 1058-1072.	1.7	7
142	Gender recognition based on face geometric features. , 2013, , .		1
143	Lattice Boltzmann Study of Flow and Temperature Structures of Non-Isothermal Laminar Impinging Streams. <i>Communications in Computational Physics</i> , 2013, 13, 835-850.	1.7	9
144	Evaluation of Three Lattice Boltzmann Models for Particulate Flows. <i>Communications in Computational Physics</i> , 2013, 13, 1151-1172.	1.7	28

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145	Lattice Boltzmann simulation of the sedimentation of particles with thermal convection. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 084703.	0.5	6
146	Microscale boundary conditions of the lattice Boltzmann equation method for simulating microtube flows. Physical Review E, 2012, 86, 016712.	2.1	16
147	Immersed boundary lattice Boltzmann model based on multiple relaxation times. Physical Review E, 2012, 85, 016711.	2.1	40
148	Effects of force discretization on mass conservation in lattice Boltzmann equation for two-phase flows. Europhysics Letters, 2012, 99, 64005.	2.0	36
149	General bounce-back scheme for concentration boundary condition in the lattice-Boltzmann method. Physical Review E, 2012, 85, 016701.	2.1	189
150	Numerical simulation of particle capture process of fibrous filters using Lattice Boltzmann two-phase flow model. Powder Technology, 2012, 227, 111-122.	4.2	76
151	Force imbalance in lattice Boltzmann equation for two-phase flows. Physical Review E, 2011, 83, 036707.	2.1	114
152	Rectangular lattice Boltzmann model for nonlinear convection–diffusion equations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 2311-2319.	3.4	4
153	Velocity inversion of micro cylindrical Couette flow: A lattice Boltzmann study. Computers and Mathematics With Applications, 2011, 61, 3519-3527.	2.7	55
154	Numerical simulation of the flow around a porous covering square cylinder in a channel via lattice Boltzmann method. International Journal for Numerical Methods in Fluids, 2011, 65, 1217-1230.	1.6	19
155	Lattice Boltzmann simulation of some nonlinear convection–diffusion equations. Computers and Mathematics With Applications, 2011, 61, 3443-3452.	2.7	28
156	Mesoscopic methods in engineering and science. Computers and Mathematics With Applications, 2011, 61, 3401-3403.	2.7	0
157	Gas slippage effect on the permeability of circular cylinders in a square array. International Journal of Heat and Mass Transfer, 2011, 54, 3009-3014.	4.8	26
158	Multiple-relaxation-time lattice Boltzmann model for generalized Newtonian fluid flows. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 332-342.	2.4	97
159	Simultaneous incorporation of mass and force terms in the multi-relaxation-time framework for lattice Boltzmann schemes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 2219-2227.	3.4	24
160	Chequerboard effects on spurious currents in the lattice Boltzmann equation for two-phase flows. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 2283-2291.	3.4	21
161	Multiple Temperature Gas Dynamic Equations for Non-equilibrium Flows. Journal of Computational Mathematics, 2011, 29, 639-660.	0.4	5
162	Gas Flow Through Square Arrays of Circular Cylinders with Klinkenberg Effect: a Lattice Boltzmann Study. Communications in Computational Physics, 2010, 8, 1052-1073.	1.7	66

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163	Kinetic theory based lattice Boltzmann equation with viscous dissipation and pressure work for axisymmetric thermal flows. <i>Journal of Computational Physics</i> , 2010, 229, 5843-5856.	3.8	24
164	A lattice Boltzmann model for axisymmetric thermal flows through porous media. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 5519-5527.	4.8	55
165	Lattice Boltzmann equation for axisymmetric thermal flows. <i>Computers and Fluids</i> , 2010, 39, 945-952.	2.5	48
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