Takaji Inamuro

List of Publications by Year
in descending order

21	648	840776 11	752698 20
papers	citations	h-index	g-index

21	21	21	482
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Lattice Boltzmann Method for a Binary Miscible Fluid Mixture and Its Application to a Heat-Transfer Problem. Journal of Computational Physics, 2002, 179, 201-215.	3.8	161
2	Accuracy of the lattice Boltzmann method for small Knudsen number with finite Reynolds number. Physics of Fluids, 1997, 9, 3535-3542.	4.0	97
3	Lattice Boltzmann simulation of flows in a three-dimensional porous structure. International Journal for Numerical Methods in Fluids, 1999, 29, 737-748.	1.6	91
4	A lattice kinetic scheme for incompressible viscous flows with heat transfer. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2002, 360, 477-484.	3.4	90
5	Lift and thrust generation by a butterfly-like flapping wingâ€“body model: immersed boundaryâ€“lattice Boltzmann simulations. Journal of Fluid Mechanics, 2015, 767, 659-695.	3.4	57
6	An improved lattice Boltzmann method for incompressible two-phase flows with large density differences. Computers and Fluids, 2016, 137, 55-69.	2.5	42
7	Slightly Rarefied Gas Flow over a Body with Small Accommodation Coefficient. Journal of the Physical Society of Japan, 1979, 47, 663-671.	1.6	18
8	Lattice Boltzmann Simulations of Water Transport from the Gas Diffusion Layer to the Gas Channel in PEFC. Communications in Computational Physics, 2011, 9, 1206-1218.	1.7	18
9	AN IMPROVED LATTICE KINETIC SCHEME FOR INCOMPRESSIBLE VISCOUS FLUID FLOWS. International Journal of Modern Physics C, 2014, 25, 1340017.	1.7	14
10	Validation of an improved lattice Boltzmann method for incompressible two-phase flows. Computers and Fluids, 2018, 175, 83-90.	2.5	13
11	Simple extended lattice Boltzmann methods for incompressible viscous single-phase and two-phase fluid flows. Physics of Fluids, 2021, 33, .	4.0	12
12	Numerical Simulation of Advancing Interface in a Micro Heterogeneous Channel by the Lattice Boltzmann Method. Journal of Chemical Engineering of Japan, 2006, 39, 257-266.	0.6	11
13	Gas Transport Properties in Gas Diffusion Layers: A Lattice Boltzmann Study. Communications in Computational Physics, 2011, 9, 1335-1346.	1.7	5
14	Asymptotic equivalence of forcing terms in the lattice Boltzmann method within second-order accuracy. Physical Review E, 2020, 102, 013308.	2.1	5
15	Behaviors of Spherical and Nonspherical Particles in a Square Pipe Flow. Communications in Computational Physics, 2011, 9, 1179-1192.	1.7	4
16	Numerical simulation of fluid flow and heat transfer in a rotating cylindrical container with a counter-rotating disk at the fluid surface. Heat Transfer - Asian Research, 1999, 28, 172-182.	2.8	3
17	On the Applicability of the Leverett Function to Capillary Pressure : A Lattice Boltzmann Study(Fluids) Tj ETQq1 1 0.784314 rgBT /Ove Engineers Series B B-hen, 2009, 75, 1568-1575.	0.2	3
18	Numerical Simulations of Gas-Liquid Two-Phase Flows in a Micro Porous Structure. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 2213-2219.	0.2	2

#	Article	IF	Citations
19	Numerical Analysis of Unsteady Flows in a Three-Dimensional Porous Structure.. Kagaku Kogaku Ronbunshu, 1999, 25, 979-986.	0.3	1
20	Numerical Simulation of the Dispersion of Aggregated Particles of Unequal Sizes under Shear Flows. Kagaku Kogaku Ronbunshu, 2012, 38, 212-220.	0.3	1
21	Analysis of shear layers based on the lattice gas model. International Journal for Numerical Methods in Fluids, 1995, 21, 967-972.	1.6	0