

# Takaji Inamuro

## List of Publications by Year in descending order

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21  
papers

648  
citations

840776

11  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple extended lattice Boltzmann methods for incompressible viscous single-phase and two-phase fluid flows. <i>Physics of Fluids</i> , 2021, 33, .	4.0	12
2	Asymptotic equivalence of forcing terms in the lattice Boltzmann method within second-order accuracy. <i>Physical Review E</i> , 2020, 102, 013308.	2.1	5
3	Validation of an improved lattice Boltzmann method for incompressible two-phase flows. <i>Computers and Fluids</i> , 2018, 175, 83-90.	2.5	13
4	An improved lattice Boltzmann method for incompressible two-phase flows with large density differences. <i>Computers and Fluids</i> , 2016, 137, 55-69.	2.5	42
5	Lift and thrust generation by a butterfly-like flapping wing“body model: immersed boundary“lattice Boltzmann simulations. <i>Journal of Fluid Mechanics</i> , 2015, 767, 659-695.	3.4	57
6	AN IMPROVED LATTICE KINETIC SCHEME FOR INCOMPRESSIBLE VISCOUS FLUID FLOWS. <i>International Journal of Modern Physics C</i> , 2014, 25, 1340017.	1.7	14
7	Numerical Simulation of the Dispersion of Aggregated Particles of Unequal Sizes under Shear Flows. <i>Kagaku Kogaku Ronbunshu</i> , 2012, 38, 212-220.	0.3	1
8	Gas Transport Properties in Gas Diffusion Layers: A Lattice Boltzmann Study. <i>Communications in Computational Physics</i> , 2011, 9, 1335-1346.	1.7	5
9	Behaviors of Spherical and Nonspherical Particles in a Square Pipe Flow. <i>Communications in Computational Physics</i> , 2011, 9, 1179-1192.	1.7	4
10	Lattice Boltzmann Simulations of Water Transport from the Gas Diffusion Layer to the Gas Channel in PEFC. <i>Communications in Computational Physics</i> , 2011, 9, 1206-1218.	1.7	18
11	On the Applicability of the Leverett Function to Capillary Pressure : A Lattice Boltzmann Study(Fluids) Tj ETQq1 1 0.784314 rgBT /Ovele Engineers Series B B-hen, 2009, 75, 1568-1575.	0.2	3
12	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
13	Numerical Simulation of Advancing Interface in a Micro Heterogeneous Channel by the Lattice Boltzmann Method. <i>Journal of Chemical Engineering of Japan</i> , 2006, 39, 257-266.	0.6	11
14	A lattice kinetic scheme for incompressible viscous flows with heat transfer. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2002, 360, 477-484.	3.4	90
15	A Lattice Boltzmann Method for a Binary Miscible Fluid Mixture and Its Application to a Heat-Transfer Problem. <i>Journal of Computational Physics</i> , 2002, 179, 201-215.	3.8	161
16	Numerical simulation of fluid flow and heat transfer in a rotating cylindrical container with a counter-rotating disk at the fluid surface. <i>Heat Transfer - Asian Research</i> , 1999, 28, 172-182.	2.8	3
17	Lattice Boltzmann simulation of flows in a three-dimensional porous structure. <i>International Journal for Numerical Methods in Fluids</i> , 1999, 29, 737-748.	1.6	91
18	Numerical Analysis of Unsteady Flows in a Three-Dimensional Porous Structure.. <i>Kagaku Kogaku Ronbunshu</i> , 1999, 25, 979-986.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Accuracy of the lattice Boltzmann method for small Knudsen number with finite Reynolds number. <i>Physics of Fluids</i> , 1997, 9, 3535-3542.	4.0	97
20	Analysis of shear layers based on the lattice gas model. <i>International Journal for Numerical Methods in Fluids</i> , 1995, 21, 967-972.	1.6	0
21	Slightly Rarefied Gas Flow over a Body with Small Accommodation Coefficient. <i>Journal of the Physical Society of Japan</i> , 1979, 47, 663-671.	1.6	18