Guihua Tang

List of Publications by Year in Descending Order

147 papers	3,715 citations	34 h-index	53 g-index
154 ext. papers	4,438 ext. citations	4 avg, IF	6.08 L-index

#	Paper	IF	Citations
147	Capacity-dependent configurations of S□O2 coal-fired boiler by overall analysis with a unified model. *Energy*, **2022**, 245, 123246	7.9	0
146	Lubricant-enhanced self-transport of condensed nanodroplets trapped in Wenzel state. *Journal of Molecular Liquids*, **2022**, 348, 118206	6	1
145	Enhancing thermoelectric performance of K-doped polycrystalline SnSe through band engineering tuning and hydrogen reduction. *Journal of Alloys and Compounds*, **2022**, 899, 163358	5.7	1
144	Thermal and hydraulic performance of a compact precooler with mini-tube bundles for aero-engine. *Applied Thermal Engineering*, **2022**, 200, 117656	5.8	0
143	All-day effective radiative cooling by optically selective and thermally insulating mesoporous materials. *Solar Energy*, **2022**, 235, 170-179	6.8	1
142	A performance recovery coefficient for thermal-hydraulic evaluation of recuperator in supercritical carbon dioxide Brayton cycle. *Energy Conversion and Management*, **2022**, 256, 115393	10.6	3
141	Toward optical selectivity aerogels by plasmonic nanoparticles doping. *Renewable Energy*, **2022**, 190, 741-751	8.1	1
140	Anti-icing propagation and icephobicity of slippery liquid-infused porous surface for condensation frosting. *International Journal of Heat and Mass Transfer*, **2022**, 190, 122730	4.9	1
139	Design of S□O2 coal-fired power system based on the multiscale analysis platform. *Energy*, **2021**, 240, 122482	7.9	1
138	Water molecular bridge undermines thermal insulation of Nano-porous silica aerogels. *Journal of Molecular Liquids*, **2021**, 349, 118176	6	0
137	Role of the microridges on cactus spines.. *Nanoscale*, **2021**,	7.7	1
136	Thermal-hydraulic and fouling performances of enhanced double H-type finned tubes for residual heat recovery. *Applied Thermal Engineering*, **2021**, 189, 116724	5.8	5
135	Biaxial Strain Improving the Thermoelectric Performance of a Two-Dimensional MoS2/WS2 Heterostructure. *ACS Applied Electronic Materials*, **2021**, 3, 2995-3004	4	3
134	Inhibited radiation transmittance and enhanced thermal stability of silica aerogels under very-high temperature. *Ceramics International*, **2021**, 47, 19824-19834	5.1	1
133	Hydrostatic Pressure Tuning of Thermal Conductivity for PbTe and PbSe Considering Pressure-Induced Phase Transitions. *ACS Omega*, **2021**, 6, 3980-3990	3.9	4
132	Realizing high thermoelectric performance in hot-pressed polycrystalline AlxSn1-xSe through band engineering tuning. *Journal of Materiomics*, **2021**,	6.7	3
131	Droplet Nucleation and Growth in the Presence of Noncondensable Gas: A Molecular Dynamics Study. *Langmuir*, **2021**, 37, 9009-9016	4	4

130	Thermal-hydraulic-structural evaluation of S□CO2 cooling wall tubes: A thermal stress evaluating criterion and optimization. *International Journal of Thermal Sciences*, **2021**, 170, 107161	4.1	2
129	Phonon Thermal Properties of Heterobilayers with a Molecular Dynamics Study. *International Journal of Thermophysics*, **2020**, 41, 1	2.1	3
128	Experimental investigation on the springback of AZ31B Mg alloys in warm incremental sheet forming assisted with oil bath heating. *International Journal of Advanced Manufacturing Technology*, **2020**, 109, 535-551	3.2	5
127	Synthesis of novel 2'-aryl-4'-hydroxy-4',5,5',6-tetrahydro-2'H,8H-spiro[indolizine-7,3'-thiophen]-8-one derivatives via sulfa-Michael/aldol cascade reactions. *Chemistry of Heterocyclic Compounds*, **2020**, 56, 42-46	1.4	0
126	Study of coalescence-induced droplet jumping during phase-change process in the presence of noncondensable gas. *International Journal of Heat and Mass Transfer*, **2020**, 152, 119506	4.9	8
125	Prediction and evolution of the hydraulic tortuosity for unsaturated flow in actual porous media. *Microporous and Mesoporous Materials*, **2020**, 298, 110097	5.3	3
124	Microscopic mechanism of ice nucleation: The effects of surface rough structure and wettability. *Applied Surface Science*, **2020**, 510, 145520	6.7	12
123	Photothermal conversion enhancement of triangular nanosheets for solar energy harvest. *Applied Thermal Engineering*, **2020**, 173, 115182	5.8	10
122	Arrangement and three-dimensional analysis of cooling wall in 1000□MW□S□CO2 coal-fired boiler. *Energy*, **2020**, 197, 117168	7.9	11
121	Phonon confinement and transport in ultrathin films. *Physical Review B*, **2020**, 101,	3.3	9
120	Dynamic Wettability on the Lubricant-Impregnated Surface: From Nucleation to Growth and Coalescence. *ACS Applied Materials & Interfaces*, **2020**, 12, 26555-26565	9.5	19
119	Numerical investigation of erosion characteristics of multiple-particle impact on ductile material with patterned surfaces. *Powder Technology*, **2020**, 362, 527-538	5.2	8
118	Apparent permeability study of rarefied gas transport properties through ultra-tight VORONOI porous media by Discrete Velocity Method. *Journal of Natural Gas Science and Engineering*, **2020**, 74, 103100	4.6	3
117	Integration of S-CO2 Brayton cycle and coal-fired boiler: Thermal-hydraulic analysis and design. *Energy Conversion and Management*, **2020**, 225, 113452	10.6	8
116	Failure and Recovery of Droplet Nucleation and Growth on Damaged Nanostructures: A Molecular Dynamics Study. *Langmuir*, **2020**, 36, 13716-13724	4	7
115	Non-silica fiber and enabled stratified fiber doping for high temperature aerogel insulation. *International Journal of Heat and Mass Transfer*, **2020**, 160, 120194	4.9	6
114	Two-Dimensional SnSe Composited with One-Dimensional Mn Nanowires: A Promising Thermoelectric with Ultrahigh Power Factor. *ACS Applied Energy Materials*, **2020**, 3, 9234-9245	6.1	6
113	Surfactant-laden droplet behavior on wetting solid wall with non-Newtonian fluid rheology. *Physics of Fluids*, **2019**, 31, 092104	4.4	2

112	Inhibition of surface ice nucleation by combination of superhydrophobic coating and alcohol spraying. *International Journal of Heat and Mass Transfer*, **2019**, 134, 628-633	4.9	3
111	Hybrid Wettability-Induced Heat Transfer Enhancement for Condensation with NonCondensable Gas. *Langmuir*, **2019**, 35, 9430-9440	4	20
110	Numerical Analysis of Slotted Airfoil Fins for Printed Circuit Heat Exchanger in S-CO2 Brayton Cycle. *Journal of Nuclear Engineering and Radiation Science*, **2019**, 5,	1.1	8
109	Dynamics of droplet and liquid layer penetration in three-dimensional porous media: A lattice Boltzmann study. *Physics of Fluids*, **2019**, 31, 042106	4.4	18
108	Multi-Objective Optimization for China□ Power Carbon Emission Reduction by 2035. *Journal of Thermal Science*, **2019**, 28, 184-194	1.9	11
107	Exergy analysis of a hybrid PV/T system based on plasmonic nanofluids and silica aerogel glazing. *Solar Energy*, **2019**, 183, 501-511	6.8	26
106	A theoretical model for gas-contributed thermal conductivity in nanoporous aerogels. *International Journal of Heat and Mass Transfer*, **2019**, 137, 64-73	4.9	16
105	Hydrogenation: An effective strategy to improve the thermoelectric properties of multilayer silicene. *Physical Review B*, **2019**, 99,	3.3	12
104	Droplet Morphology and Mobility on Lubricant-Impregnated Surfaces: A Molecular Dynamics Study. *Langmuir*, **2019**, 35, 16377-16387	4	24
103	Synthesis of dispiro[1-benzothiophene-2,3'-pyrrolidine-2',3□ndoline]-2□3-diones in cycloaddition reaction. *Chemistry of Heterocyclic Compounds*, **2019**, 55, 1044-1049	1.4	3
102	Correlation evaluation on circumferentially average heat transfer for supercritical carbon dioxide in non-uniform heating vertical tubes. *Energy*, **2019**, 170, 480-496	7.9	21
101	Thermal-Hydraulic-Structural Analysis and Design Optimization for Micron-Sized Printed Circuit Heat Exchanger. *Journal of Thermal Science*, **2019**, 28, 252-261	1.9	13
100	An improved phase-field-based lattice Boltzmann model for droplet dynamics with soluble surfactant. *Computers and Fluids*, **2019**, 179, 508-520	2.8	11
99	Steady and transient operation of an organic Rankine cycle power system. *Renewable Energy*, **2019**, 133, 284-294	8.1	8
98	Finite element analysis of anti-erosion characteristics of material with patterned surface impacted by particles. *Powder Technology*, **2019**, 342, 193-203	5.2	10
97	Numerical investigation on heat transfer of supercritical carbon dioxide in a vertical tube under circumferentially non-uniform heating. *Applied Thermal Engineering*, **2018**, 138, 354-364	5.8	29
96	Experimental Study of Heat Transfer and Pressure Drop for H-type Finned Oval Tube with Longitudinal Vortex Generators and Dimples under Flue Gas. *Heat Transfer Engineering*, **2018**, 39, 608-616	1.7	9
95	Relative permeability of two-phase flow in three-dimensional porous media using the lattice Boltzmann method. *International Journal of Heat and Fluid Flow*, **2018**, 73, 101-113	2.4	12

94	Molecular dynamics simulation of droplet nucleation and growth on a rough surface: revealing the microscopic mechanism of the flooding mode.. *RSC Advances*, **2018**, 8, 24517-24524	3.7	24
93	Rarefaction throttling effect: Influence of the bend in micro-channel gaseous flow. *Physics of Fluids*, **2018**, 30, 082002	4.4	19
92	Investigation of coalesced droplet vertical jumping and horizontal moving on textured surface using the lattice Boltzmann method. *Computers and Mathematics With Applications*, **2018**, 75, 1213-1225	2.7	10
91	Dropwise condensation on bioinspired hydrophilic-slippery surface.. *RSC Advances*, **2018**, 8, 39341-39351	3.7	24
90	Numerical investigation on the coupling of ash deposition and acid vapor condensation on the H-type fin tube bank. *Applied Thermal Engineering*, **2018**, 139, 524-534	5.8	14
89	Dropwise condensation heat transfer model considering the liquid-solid interfacial thermal resistance. *International Journal of Heat and Mass Transfer*, **2017**, 112, 333-342	4.9	32
88	The effect of chemical functionalisation on nanoporous energy absorption system. *Molecular Simulation*, **2017**, 43, 1442-1447	2	2
87	Electron-phonon scattering effect on the lattice thermal conductivity of silicon nanostructures. *Physical Chemistry Chemical Physics*, **2017**, 19, 28517-28526	3.6	22
86	Numerical Study of the Solid Particle Erosion on H-Type Finned Circular/Elliptic Tube Surface. *Communications in Computational Physics*, **2017**, 21, 466-489	2.4	6
85	The effect of surface wettability on water vapor condensation in nanoscale. *Scientific Reports*, **2016**, 6, 19192	4.9	39
84	Plasmonic nanofluids based on gold nanorods/nanoellipsoids/nanosheets for solar energy harvesting. *Solar Energy*, **2016**, 137, 393-400	6.8	64
83	Wettability modified nanoporous ceramic membrane for simultaneous residual heat and condensate recovery. *Scientific Reports*, **2016**, 6, 27274	4.9	36
82	Multi-layer graded doping in silica aerogel insulation with temperature gradient. *International Journal of Heat and Mass Transfer*, **2016**, 99, 192-200	4.9	14
81	Prediction of sulfuric acid dew point temperature on heat transfer fin surface. *Applied Thermal Engineering*, **2016**, 98, 492-501	5.8	30
80	Experimental investigation of convective condensation heat transfer on tube bundles with different surface wettability at large amount of noncondensable gas. *Applied Thermal Engineering*, **2016**, 100, 699-707	5.8	25
79	Non-Newtonian rheology property for two-phase flow on fingering phenomenon in porous media using the lattice Boltzmann method. *Journal of Non-Newtonian Fluid Mechanics*, **2016**, 229, 86-95	2.7	12
78	Simulation of three-component fluid flows using the multiphase lattice Boltzmann flux solver. *Journal of Computational Physics*, **2016**, 314, 228-243	4.1	30
77	Experimental study of microchannel flow for non-Newtonian fluid in the presence of salt. *Experimental Thermal and Fluid Science*, **2016**, 74, 91-99	3	9

76	Monte Carlo study on extinction coefficient of silicon carbide porous media used for solar receiver. *International Journal of Heat and Mass Transfer*, **2016**, 92, 1061-1065	4.9	32
75	Experimental investigation of condensation heat transfer on hybrid wettability finned tube with large amount of noncondensable gas. *International Journal of Heat and Mass Transfer*, **2015**, 85, 513-523	4.9	53
74	Investigation of coalescence-induced droplet jumping on superhydrophobic surfaces and liquid condensate adhesion on slit and plain fins. *International Journal of Heat and Mass Transfer*, **2015**, 88, 445-455	4.9	57
73	Lattice Boltzmann Simulation of Droplet Formation in Non-Newtonian Fluids. *Communications in Computational Physics*, **2015**, 17, 1056-1072	2.4	11
72	Experimental study on directional motion of a single droplet on cactus spines. *International Journal of Heat and Mass Transfer*, **2015**, 84, 198-202	4.9	29
71	Thermal switch and thermal rectification enabled by near-field radiative heat transfer between three slabs. *International Journal of Heat and Mass Transfer*, **2015**, 82, 429-434	4.9	46
70	Thermal transport in nano-porous insulation of aerogel: Factors, models and outlook. *Energy*, **2015**, 90, 701-721	7.9	103
69	Study of wetting and spontaneous motion of droplets on microstructured surfaces with the lattice Boltzmann method. *Journal of Applied Physics*, **2015**, 117, 244902	2.5	16
68	Monte Carlo Study on Carbon-Gradient-Doped Silica Aerogel Insulation. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 3259-64	1.3	9
67	Numerical study of radiative properties of nanoporous silica aerogel. *International Journal of Thermal Sciences*, **2015**, 89, 110-120	4.1	39
66	High efficiency thermophotovoltaic emitter by metamaterial-based nano-pyramid array. *Optics Express*, **2015**, 23, 30681-94	3.3	20
65	Optical property of nanofluids with particle agglomeration. *Solar Energy*, **2015**, 122, 864-872	6.8	79
64	Experimental Investigation of Fluid Through Porous Media Packed with Single-Diameter and Multi-diameter Spheres. *Transport in Porous Media*, **2015**, 110, 449-459	3.1	2
63	Heat conduction modeling in 3-D ordered structures for prediction of aerogel thermal conductivity. *International Journal of Heat and Mass Transfer*, **2014**, 73, 103-109	4.9	43
62	Numerical investigation of heat transfer and erosion characteristics for H-type finned oval tube with longitudinal vortex generators and dimples. *Applied Energy*, **2014**, 127, 93-104	10.7	44
61	Static and dynamic behavior of water droplet on solid surfaces with pillar-type nanostructures from molecular dynamics simulation. *International Journal of Heat and Mass Transfer*, **2014**, 79, 647-654	4.9	43
60	Simulation of Newtonian and non-Newtonian rheology behavior of viscous fingering in channels by the lattice Boltzmann method. *Computers and Mathematics With Applications*, **2014**, 68, 1279-1291	2.7	14
59	Coupling model for heat transfer between solid and gas phases in aerogel and experimental investigation. *International Journal of Heat and Mass Transfer*, **2014**, 79, 126-136	4.9	51

58	A Resistance Model for Newtonian and Power-Law Non-Newtonian Fluid Transport in Porous Media. *Transport in Porous Media*, **2014**, 104, 435-449	3.1	16
57	Lattice Boltzmann simulation of droplet formation in T-junction and flow focusing devices. *Computers and Fluids*, **2014**, 90, 155-163	2.8	29
56	Simulation of heat transfer enhancement by longitudinal vortex generators in dimple heat exchangers. *Energy*, **2014**, 74, 27-36	7.9	32
55	Lattice Boltzmann Study of Non-Newtonian Blood Flow in Mother and Daughter Aneurysm and a Novel Stent Treatment. *Advances in Applied Mathematics and Mechanics*, **2014**, 6, 165-178	2.1	2
54	Acid condensation and heat transfer characteristics on H-type fin surface with bleeding dimples and longitudinal vortex generators. *Science Bulletin*, **2014**, 59, 4405-4417		14
53	NON-NEWTONIAN FLOW IN MICROCHANNELS. *International Journal of Modern Physics Conference Series*, **2014**, 34, 1460385	0.7	
52	Thermal conductivity in nanostructured materials and analysis of local angle between heat fluxes. *Journal of Applied Physics*, **2014**, 116, 124310	2.5	15
51	Theoretical investigation of stable dropwise condensation heat transfer on a horizontal tube. *Applied Thermal Engineering*, **2014**, 62, 671-679	5.8	26
50	Heat transfer enhancement in mini-channel heat sinks with dimples and cylindrical grooves. *Applied Thermal Engineering*, **2013**, 55, 121-132	5.8	106
49	Thermal conduction in nano-porous silicon thin film. *Journal of Applied Physics*, **2013**, 114, 184302	2.5	27
48	Parametric study and field synergy principle analysis of H-type finned tube bank with 10 rows. *International Journal of Heat and Mass Transfer*, **2013**, 60, 241-251	4.9	54
47	Effective thermal conductivity of the solid backbone of aerogel. *International Journal of Heat and Mass Transfer*, **2013**, 64, 452-456	4.9	53
46	Extended Thermodynamic Approach for Non-Equilibrium Gas Flow. *Communications in Computational Physics*, **2013**, 13, 1330-1356	2.4	8
45	Experimental investigation of non-Newtonian liquid flow in microchannels. *Journal of Non-Newtonian Fluid Mechanics*, **2012**, 173-174, 21-29	2.7	28
44	Parametric investigation for suppressing near-field thermal radiation between two spherical nanoparticles. *International Communications in Heat and Mass Transfer*, **2012**, 39, 918-922	5.8	5
43	Prediction of the gaseous thermal conductivity in aerogels with non-uniform pore-size distribution. *Journal of Non-Crystalline Solids*, **2012**, 358, 3124-3128	3.9	36
42	Film condensation heat transfer on a horizontal tube in presence of a noncondensable gas. *Applied Thermal Engineering*, **2012**, 36, 414-425	5.8	59
41	Experimental research of CFB ash deposition on helical finned tubes. *Applied Thermal Engineering*, **2012**, 37, 420-429	5.8	26

40	Lattice Boltzmann modeling of microchannel flows in the transition flow regime. *Microfluidics and Nanofluidics*, **2011**, 10, 607-618	2.8	130
39	Bingham fluid simulation with the incompressible lattice Boltzmann model. *Journal of Non-Newtonian Fluid Mechanics*, **2011**, 166, 145-151	2.7	20
38	Non-Newtonian flow in microporous structures under the electroviscous effect. *Journal of Non-Newtonian Fluid Mechanics*, **2011**, 166, 875-881	2.7	12
37	SIMULATION OF NEWTONIAN AND NON-NEWTONIAN AXISYMMETRIC FLOW WITH AN AXISYMMETRIC LATTICE BOLTZMANN MODEL. *International Journal of Modern Physics C*, **2010**, 21, 1237-1254	1.1	8
36	Improved axisymmetric lattice Boltzmann scheme. *Physical Review E*, **2010**, 81, 056707	2.4	87
35	LATTICE BOLTZMANN SIMULATION OF ELECTROOSMOTIC MICROMIXING BY HETEROGENEOUS SURFACE CHARGE. *International Journal of Modern Physics C*, **2010**, 21, 261-274	1.1	5
34	LATTICE BOLTZMANN MODEL FOR SIMULATING VISCOUS COMPRESSIBLE FLOWS. *International Journal of Modern Physics C*, **2010**, 21, 383-407	1.1	17
33	Microannular electro-osmotic flow with the axisymmetric lattice Boltzmann method. *Journal of Applied Physics*, **2010**, 108, 114903	2.5	16
32	Numerical analysis of mixing enhancement for micro-electroosmotic flow. *Journal of Applied Physics* , **2010**, 107, 104906	2.5	19
31	Electroviscous effect on non-Newtonian fluid flow in microchannels. *Journal of Non-Newtonian Fluid Mechanics*, **2010**, 165, 435-440	2.7	28
30	Pressure-driven and electroosmotic non-Newtonian flows through microporous media via lattice Boltzmann method. *Journal of Non-Newtonian Fluid Mechanics*, **2010**, 165, 1536-1542	2.7	25
29	Numerical study of natural convection in porous media (metals) using Lattice Boltzmann Method (LBM). *International Journal of Heat and Fluid Flow*, **2010**, 31, 925-934	2.4	47
28	Lattice Boltzmann model for thermal transpiration. *Physical Review E*, **2009**, 79, 027701	2.4	9
27	MODELING VISCOUS FLUID DAMPING IN OSCILLATING MICROSTRUCTURES. *Modern Physics Letters B*, **2009**, 23, 241-244	1.6	
26	Three-dimensional non-free-parameter lattice-Boltzmann model and its application to inviscid compressible flows. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2009**, 373, 2101-2108	2.3	28
25	Lattice Boltzmann method and its applications in engineering thermophysics. *Science Bulletin*, **2009** , 54, 4117-4134		20
24	Kramers problem and the Knudsen minimum: a theoretical analysis using a linearized 26-moment approach. *Continuum Mechanics and Thermodynamics*, **2009**, 21, 345-360	3.5	19
23	Electroosmotic flow of non-Newtonian fluid in microchannels. *Journal of Non-Newtonian Fluid Mechanics*, **2009**, 157, 133-137	2.7	144

22	Lattice Boltzmann model for axisymmetric thermal flows. *Physical Review E*, **2009**, 80, 037702	2.4	45
21	AN IMPROVED THERMAL LATTICE BOLTZMANN MODEL FOR FLOWS WITHOUT VISCOUS HEAT DISSIPATION AND COMPRESSION WORK. *International Journal of Modern Physics C*, **2008**, 19, 125-150	1.1	37
20	Lattice Boltzmann modelling Knudsen layer effect in non-equilibrium flows. *Europhysics Letters*, **2008**, 83, 40008	1.6	51
19	Lattice Boltzmann simulation of nonequilibrium effects in oscillatory gas flow. *Physical Review E*, **2008**, 78, 026706	2.4	23
18	Numerical simulations of gas resonant oscillations in a closed tube using lattice Boltzmann method. *International Journal of Heat and Mass Transfer*, **2008**, 51, 3082-3090	4.9	20
17	Experimental and numerical studies of liquid flow and heat transfer in microtubes. *International Journal of Heat and Mass Transfer*, **2007**, 50, 3447-3460	4.9	99
16	Experimental study of compressibility, roughness and rarefaction influences on microchannel flow. *International Journal of Heat and Mass Transfer*, **2007**, 50, 2282-2295	4.9	99
15	IMPLICIT-EXPLICIT FINITE-DIFFERENCE LATTICE BOLTZMANN METHOD FOR COMPRESSIBLE FLOWS. *International Journal of Modern Physics C*, **2007**, 18, 1961-1983	1.1	55
14	SIMULATING TWO- AND THREE-DIMENSIONAL MICROFLOWS BY THE LATTICE BOLTZMANN METHOD WITH KINETIC BOUNDARY CONDITIONS. *International Journal of Modern Physics C*, **2007**, 18, 805-817	1.1	8
13	COMPARISON OF GAS SLIP MODELS WITH SOLUTIONS OF LINEARIZED BOLTZMANN EQUATION AND DIRECT SIMULATION OF MONTE CARLO METHOD. *International Journal of Modern Physics C*, **2007**, 18, 203-216	1.1	12
12	MASS MODIFIED OUTLET BOUNDARY FOR A FULLY DEVELOPED FLOW IN THE LATTICE BOLTZMANN EQUATION. *International Journal of Modern Physics C*, **2007**, 18, 1209-1221	1.1	12
11	Experimental observations and lattice Boltzmann method study of the electroviscous effect for liquid flow in microchannels. *Journal of Micromechanics and Microengineering*, **2007**, 17, 539-550	2	22
10	SIMULATION OF TWO-DIMENSIONAL OSCILLATING FLOW USING THE LATTICE BOLTZMANN METHOD. *International Journal of Modern Physics C*, **2006**, 17, 615-630	1.1	11
9	Electroosmotic flow and mixing in microchannels with the lattice Boltzmann method. *Journal of Applied Physics*, **2006**, 100, 094908	2.5	34
8	Gas slippage effect on microscale porous flow using the lattice Boltzmann method. *Physical Review E*, **2005**, 72, 056301	2.4	117
7	Thermal boundary condition for the thermal lattice Boltzmann equation. *Physical Review E*, **2005**, 72, 016703	2.4	86
6	Three-dimensional lattice Boltzmann model for gaseous flow in rectangular microducts and microscale porous media. *Journal of Applied Physics*, **2005**, 97, 104918	2.5	27
5	Lattice Boltzmann method for gaseous microflows using kinetic theory boundary conditions. *Physics of Fluids*, **2005**, 17, 058101	4.4	135

4	Lattice Boltzmann simulation of flow in porous media on non-uniform grids. *Progress in Computational Fluid Dynamics*, **2005**, 5, 97	0.7	10
3	LATTICE BOLTZMANN METHOD FOR SIMULATING GAS FLOW IN MICROCHANNELS. *International Journal of Modern Physics C*, **2004**, 15, 335-347	1.1	66
2	SIMULATION OF FLUID FLOW AND HEAT TRANSFER IN A PLANE CHANNEL USING THE LATTICE BOLTZMANN METHOD. *International Journal of Modern Physics B*, **2003**, 17, 183-187	1.1	40
1	Influence of Participating Radiation on Measuring Thermal Conductivity of Translucent Thermal Insulation Materials with Hot Strip Method. *Journal of Thermal Science*,1	1.9	2