

Guihua Tang

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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	Electroosmotic flow of non-Newtonian fluid in microchannels. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009 , 157, 133-137	2.7	144
146	Lattice Boltzmann method for gaseous microflows using kinetic theory boundary conditions. <i>Physics of Fluids</i> , 2005 , 17, 058101	4.4	135
145	Lattice Boltzmann modeling of microchannel flows in the transition flow regime. <i>Microfluidics and Nanofluidics</i> , 2011 , 10, 607-618	2.8	130
144	Gas slippage effect on microscale porous flow using the lattice Boltzmann method. <i>Physical Review E</i> , 2005 , 72, 056301	2.4	117
143	Heat transfer enhancement in mini-channel heat sinks with dimples and cylindrical grooves. <i>Applied Thermal Engineering</i> , 2013 , 55, 121-132	5.8	106
142	Thermal transport in nano-porous insulation of aerogel: Factors, models and outlook. <i>Energy</i> , 2015 , 90, 701-721	7.9	103
141	Experimental and numerical studies of liquid flow and heat transfer in microtubes. <i>International Journal of Heat and Mass Transfer</i> , 2007 , 50, 3447-3460	4.9	99
140	Experimental study of compressibility, roughness and rarefaction influences on microchannel flow. <i>International Journal of Heat and Mass Transfer</i> , 2007 , 50, 2282-2295	4.9	99
139	Improved axisymmetric lattice Boltzmann scheme. <i>Physical Review E</i> , 2010 , 81, 056707	2.4	87
138	Thermal boundary condition for the thermal lattice Boltzmann equation. <i>Physical Review E</i> , 2005 , 72, 016703	2.4	86
137	Optical property of nanofluids with particle agglomeration. <i>Solar Energy</i> , 2015 , 122, 864-872	6.8	79
136	LATTICE BOLTZMANN METHOD FOR SIMULATING GAS FLOW IN MICROCHANNELS. <i>International Journal of Modern Physics C</i> , 2004 , 15, 335-347	1.1	66
135	Plasmonic nanofluids based on gold nanorods/nanoellipsoids/nanosheets for solar energy harvesting. <i>Solar Energy</i> , 2016 , 137, 393-400	6.8	64
134	Film condensation heat transfer on a horizontal tube in presence of a noncondensable gas. <i>Applied Thermal Engineering</i> , 2012 , 36, 414-425	5.8	59
133	Investigation of coalescence-induced droplet jumping on superhydrophobic surfaces and liquid condensate adhesion on slit and plain fins. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 88, 445-455	4.9	57
132	IMPLICIT-EXPLICIT FINITE-DIFFERENCE LATTICE BOLTZMANN METHOD FOR COMPRESSIBLE FLOWS. <i>International Journal of Modern Physics C</i> , 2007 , 18, 1961-1983	1.1	55
131	Parametric study and field synergy principle analysis of H-type finned tube bank with 10 rows. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 60, 241-251	4.9	54

130	Experimental investigation of condensation heat transfer on hybrid wettability finned tube with large amount of noncondensable gas. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 85, 513-523	4.9	53
129	Effective thermal conductivity of the solid backbone of aerogel. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 64, 452-456	4.9	53
128	Coupling model for heat transfer between solid and gas phases in aerogel and experimental investigation. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 79, 126-136	4.9	51
127	Lattice Boltzmann modelling Knudsen layer effect in non-equilibrium flows. <i>Europhysics Letters</i> , 2008 , 83, 40008	1.6	51
126	Numerical study of natural convection in porous media (metals) using Lattice Boltzmann Method (LBM). <i>International Journal of Heat and Fluid Flow</i> , 2010 , 31, 925-934	2.4	47
125	Thermal switch and thermal rectification enabled by near-field radiative heat transfer between three slabs. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 82, 429-434	4.9	46
124	Lattice Boltzmann model for axisymmetric thermal flows. <i>Physical Review E</i> , 2009 , 80, 037702	2.4	45
123	Numerical investigation of heat transfer and erosion characteristics for H-type finned oval tube with longitudinal vortex generators and dimples. <i>Applied Energy</i> , 2014 , 127, 93-104	10.7	44
122	Heat conduction modeling in 3-D ordered structures for prediction of aerogel thermal conductivity. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 73, 103-109	4.9	43
121	Static and dynamic behavior of water droplet on solid surfaces with pillar-type nanostructures from molecular dynamics simulation. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 79, 647-654	4.9	43
120	SIMULATION OF FLUID FLOW AND HEAT TRANSFER IN A PLANE CHANNEL USING THE LATTICE BOLTZMANN METHOD. <i>International Journal of Modern Physics B</i> , 2003 , 17, 183-187	1.1	40
119	Numerical study of radiative properties of nanoporous silica aerogel. <i>International Journal of Thermal Sciences</i> , 2015 , 89, 110-120	4.1	39
118	The effect of surface wettability on water vapor condensation in nanoscale. <i>Scientific Reports</i> , 2016 , 6, 19192	4.9	39
117	AN IMPROVED THERMAL LATTICE BOLTZMANN MODEL FOR FLOWS WITHOUT VISCOUS HEAT DISSIPATION AND COMPRESSION WORK. <i>International Journal of Modern Physics C</i> , 2008 , 19, 125-150	1.1	37
116	Wettability modified nanoporous ceramic membrane for simultaneous residual heat and condensate recovery. <i>Scientific Reports</i> , 2016 , 6, 27274	4.9	36
115	Prediction of the gaseous thermal conductivity in aerogels with non-uniform pore-size distribution. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 3124-3128	3.9	36
114	Electroosmotic flow and mixing in microchannels with the lattice Boltzmann method. <i>Journal of Applied Physics</i> , 2006 , 100, 094908	2.5	34
113	Dropwise condensation heat transfer model considering the liquid-solid interfacial thermal resistance. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 112, 333-342	4.9	32

112	Monte Carlo study on extinction coefficient of silicon carbide porous media used for solar receiver. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 92, 1061-1065	4.9	32
111	Simulation of heat transfer enhancement by longitudinal vortex generators in dimple heat exchangers. <i>Energy</i> , 2014 , 74, 27-36	7.9	32
110	Prediction of sulfuric acid dew point temperature on heat transfer fin surface. <i>Applied Thermal Engineering</i> , 2016 , 98, 492-501	5.8	30
109	Simulation of three-component fluid flows using the multiphase lattice Boltzmann flux solver. <i>Journal of Computational Physics</i> , 2016 , 314, 228-243	4.1	30
108	Experimental study on directional motion of a single droplet on cactus spines. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 84, 198-202	4.9	29
107	Numerical investigation on heat transfer of supercritical carbon dioxide in a vertical tube under circumferentially non-uniform heating. <i>Applied Thermal Engineering</i> , 2018 , 138, 354-364	5.8	29
106	Lattice Boltzmann simulation of droplet formation in T-junction and flow focusing devices. <i>Computers and Fluids</i> , 2014 , 90, 155-163	2.8	29
105	Experimental investigation of non-Newtonian liquid flow in microchannels. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2012 , 173-174, 21-29	2.7	28
104	Three-dimensional non-free-parameter lattice-Boltzmann model and its application to inviscid compressible flows. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 2101-2108	2.3	28
103	Electroviscous effect on non-Newtonian fluid flow in microchannels. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010 , 165, 435-440	2.7	28
102	Thermal conduction in nano-porous silicon thin film. <i>Journal of Applied Physics</i> , 2013 , 114, 184302	2.5	27
101	Three-dimensional lattice Boltzmann model for gaseous flow in rectangular microducts and microscale porous media. <i>Journal of Applied Physics</i> , 2005 , 97, 104918	2.5	27
100	Exergy analysis of a hybrid PV/T system based on plasmonic nanofluids and silica aerogel glazing. <i>Solar Energy</i> , 2019 , 183, 501-511	6.8	26
99	Theoretical investigation of stable dropwise condensation heat transfer on a horizontal tube. <i>Applied Thermal Engineering</i> , 2014 , 62, 671-679	5.8	26
98	Experimental research of CFB ash deposition on helical finned tubes. <i>Applied Thermal Engineering</i> , 2012 , 37, 420-429	5.8	26
97	Experimental investigation of convective condensation heat transfer on tube bundles with different surface wettability at large amount of noncondensable gas. <i>Applied Thermal Engineering</i> , 2016 , 100, 699-707	5.8	25
96	Pressure-driven and electroosmotic non-Newtonian flows through microporous media via lattice Boltzmann method. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010 , 165, 1536-1542	2.7	25
95	Molecular dynamics simulation of droplet nucleation and growth on a rough surface: revealing the microscopic mechanism of the flooding mode.. <i>RSC Advances</i> , 2018 , 8, 24517-24524	3.7	24

94	Droplet Morphology and Mobility on Lubricant-Impregnated Surfaces: A Molecular Dynamics Study. <i>Langmuir</i> , 2019 , 35, 16377-16387	4	24
93	Dropwise condensation on bioinspired hydrophilic-slippy surface.. <i>RSC Advances</i> , 2018 , 8, 39341-39351	3.7	24
92	Lattice Boltzmann simulation of nonequilibrium effects in oscillatory gas flow. <i>Physical Review E</i> , 2008 , 78, 026706	2.4	23
91	Electron-phonon scattering effect on the lattice thermal conductivity of silicon nanostructures. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 28517-28526	3.6	22
90	Experimental observations and lattice Boltzmann method study of the electroviscous effect for liquid flow in microchannels. <i>Journal of Micromechanics and Microengineering</i> , 2007 , 17, 539-550	2	22
89	Correlation evaluation on circumferentially average heat transfer for supercritical carbon dioxide in non-uniform heating vertical tubes. <i>Energy</i> , 2019 , 170, 480-496	7.9	21
88	Hybrid Wettability-Induced Heat Transfer Enhancement for Condensation with NonCondensable Gas. <i>Langmuir</i> , 2019 , 35, 9430-9440	4	20
87	High efficiency thermophotovoltaic emitter by metamaterial-based nano-pyramid array. <i>Optics Express</i> , 2015 , 23, 30681-94	3.3	20
86	Lattice Boltzmann method and its applications in engineering thermophysics. <i>Science Bulletin</i> , 2009 , 54, 4117-4134		20
85	Bingham fluid simulation with the incompressible lattice Boltzmann model. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011 , 166, 145-151	2.7	20
84	Numerical simulations of gas resonant oscillations in a closed tube using lattice Boltzmann method. <i>International Journal of Heat and Mass Transfer</i> , 2008 , 51, 3082-3090	4.9	20
83	Rarefaction throttling effect: Influence of the bend in micro-channel gaseous flow. <i>Physics of Fluids</i> , 2018 , 30, 082002	4.4	19
82	Kramers problem and the Knudsen minimum: a theoretical analysis using a linearized 26-moment approach. <i>Continuum Mechanics and Thermodynamics</i> , 2009 , 21, 345-360	3.5	19
81	Numerical analysis of mixing enhancement for micro-electroosmotic flow. <i>Journal of Applied Physics</i> , 2010 , 107, 104906	2.5	19
80	Dynamic Wettability on the Lubricant-Impregnated Surface: From Nucleation to Growth and Coalescence. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 26555-26565	9.5	19
79	Dynamics of droplet and liquid layer penetration in three-dimensional porous media: A lattice Boltzmann study. <i>Physics of Fluids</i> , 2019 , 31, 042106	4.4	18
78	LATTICE BOLTZMANN MODEL FOR SIMULATING VISCOUS COMPRESSIBLE FLOWS. <i>International Journal of Modern Physics C</i> , 2010 , 21, 383-407	1.1	17
77	A theoretical model for gas-contributed thermal conductivity in nanoporous aerogels. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 137, 64-73	4.9	16

76	Study of wetting and spontaneous motion of droplets on microstructured surfaces with the lattice Boltzmann method. <i>Journal of Applied Physics</i> , 2015 , 117, 244902	2.5	16
75	A Resistance Model for Newtonian and Power-Law Non-Newtonian Fluid Transport in Porous Media. <i>Transport in Porous Media</i> , 2014 , 104, 435-449	3.1	16
74	Microannular electro-osmotic flow with the axisymmetric lattice Boltzmann method. <i>Journal of Applied Physics</i> , 2010 , 108, 114903	2.5	16
73	Thermal conductivity in nanostructured materials and analysis of local angle between heat fluxes. <i>Journal of Applied Physics</i> , 2014 , 116, 124310	2.5	15
72	Multi-layer graded doping in silica aerogel insulation with temperature gradient. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 99, 192-200	4.9	14
71	Simulation of Newtonian and non-Newtonian rheology behavior of viscous fingering in channels by the lattice Boltzmann method. <i>Computers and Mathematics With Applications</i> , 2014 , 68, 1279-1291	2.7	14
70	Acid condensation and heat transfer characteristics on H-type fin surface with bleeding dimples and longitudinal vortex generators. <i>Science Bulletin</i> , 2014 , 59, 4405-4417		14
69	Numerical investigation on the coupling of ash deposition and acid vapor condensation on the H-type fin tube bank. <i>Applied Thermal Engineering</i> , 2018 , 139, 524-534	5.8	14
68	Thermal-Hydraulic-Structural Analysis and Design Optimization for Micron-Sized Printed Circuit Heat Exchanger. <i>Journal of Thermal Science</i> , 2019 , 28, 252-261	1.9	13
67	Microscopic mechanism of ice nucleation: The effects of surface rough structure and wettability. <i>Applied Surface Science</i> , 2020 , 510, 145520	6.7	12
66	Non-Newtonian rheology property for two-phase flow on fingering phenomenon in porous media using the lattice Boltzmann method. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016 , 229, 86-95	2.7	12
65	Relative permeability of two-phase flow in three-dimensional porous media using the lattice Boltzmann method. <i>International Journal of Heat and Fluid Flow</i> , 2018 , 73, 101-113	2.4	12
64	Hydrogenation: An effective strategy to improve the thermoelectric properties of multilayer silicene. <i>Physical Review B</i> , 2019 , 99,	3.3	12
63	Non-Newtonian flow in microporous structures under the electroviscous effect. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011 , 166, 875-881	2.7	12
62	COMPARISON OF GAS SLIP MODELS WITH SOLUTIONS OF LINEARIZED BOLTZMANN EQUATION AND DIRECT SIMULATION OF MONTE CARLO METHOD. <i>International Journal of Modern Physics C</i> , 2007 , 18, 203-216	1.1	12
61	MASS MODIFIED OUTLET BOUNDARY FOR A FULLY DEVELOPED FLOW IN THE LATTICE BOLTZMANN EQUATION. <i>International Journal of Modern Physics C</i> , 2007 , 18, 1209-1221	1.1	12
60	Multi-Objective Optimization for China's Power Carbon Emission Reduction by 2035. <i>Journal of Thermal Science</i> , 2019 , 28, 184-194	1.9	11
59	Lattice Boltzmann Simulation of Droplet Formation in Non-Newtonian Fluids. <i>Communications in Computational Physics</i> , 2015 , 17, 1056-1072	2.4	11

58	Arrangement and three-dimensional analysis of cooling wall in 1000MW S-CO ₂ coal-fired boiler. <i>Energy</i> , 2020 , 197, 117168	7.9	11
57	SIMULATION OF TWO-DIMENSIONAL OSCILLATING FLOW USING THE LATTICE BOLTZMANN METHOD. <i>International Journal of Modern Physics C</i> , 2006 , 17, 615-630	1.1	11
56	An improved phase-field-based lattice Boltzmann model for droplet dynamics with soluble surfactant. <i>Computers and Fluids</i> , 2019 , 179, 508-520	2.8	11
55	Photothermal conversion enhancement of triangular nanosheets for solar energy harvest. <i>Applied Thermal Engineering</i> , 2020 , 173, 115182	5.8	10
54	Lattice Boltzmann simulation of flow in porous media on non-uniform grids. <i>Progress in Computational Fluid Dynamics</i> , 2005 , 5, 97	0.7	10
53	Investigation of coalesced droplet vertical jumping and horizontal moving on textured surface using the lattice Boltzmann method. <i>Computers and Mathematics With Applications</i> , 2018 , 75, 1213-1225	2.7	10
52	Finite element analysis of anti-erosion characteristics of material with patterned surface impacted by particles. <i>Powder Technology</i> , 2019 , 342, 193-203	5.2	10
51	Monte Carlo Study on Carbon-Gradient-Doped Silica Aerogel Insulation. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 3259-64	1.3	9
50	Experimental Study of Heat Transfer and Pressure Drop for H-type Finned Oval Tube with Longitudinal Vortex Generators and Dimples under Flue Gas. <i>Heat Transfer Engineering</i> , 2018 , 39, 608-616	1.7	9
49	Experimental study of microchannel flow for non-Newtonian fluid in the presence of salt. <i>Experimental Thermal and Fluid Science</i> , 2016 , 74, 91-99	3	9
48	Lattice Boltzmann model for thermal transpiration. <i>Physical Review E</i> , 2009 , 79, 027701	2.4	9
47	Phonon confinement and transport in ultrathin films. <i>Physical Review B</i> , 2020 , 101,	3.3	9
46	Numerical Analysis of Slotted Airfoil Fins for Printed Circuit Heat Exchanger in S-CO ₂ Brayton Cycle. <i>Journal of Nuclear Engineering and Radiation Science</i> , 2019 , 5,	1.1	8
45	Study of coalescence-induced droplet jumping during phase-change process in the presence of noncondensable gas. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 152, 119506	4.9	8
44	Extended Thermodynamic Approach for Non-Equilibrium Gas Flow. <i>Communications in Computational Physics</i> , 2013 , 13, 1330-1356	2.4	8
43	SIMULATION OF NEWTONIAN AND NON-NEWTONIAN AXISYMMETRIC FLOW WITH AN AXISYMMETRIC LATTICE BOLTZMANN MODEL. <i>International Journal of Modern Physics C</i> , 2010 , 21, 1237-1254	1.1	8
42	SIMULATING TWO- AND THREE-DIMENSIONAL MICROFLOWS BY THE LATTICE BOLTZMANN METHOD WITH KINETIC BOUNDARY CONDITIONS. <i>International Journal of Modern Physics C</i> , 2007 , 18, 805-817	1.1	8
41	Numerical investigation of erosion characteristics of multiple-particle impact on ductile material with patterned surfaces. <i>Powder Technology</i> , 2020 , 362, 527-538	5.2	8

40	Integration of S-CO ₂ Brayton cycle and coal-fired boiler: Thermal-hydraulic analysis and design. <i>Energy Conversion and Management</i> , 2020 , 225, 113452	10.6	8
39	Steady and transient operation of an organic Rankine cycle power system. <i>Renewable Energy</i> , 2019 , 133, 284-294	8.1	8
38	Failure and Recovery of Droplet Nucleation and Growth on Damaged Nanostructures: A Molecular Dynamics Study. <i>Langmuir</i> , 2020 , 36, 13716-13724	4	7
37	Numerical Study of the Solid Particle Erosion on H-Type Finned Circular/Elliptic Tube Surface. <i>Communications in Computational Physics</i> , 2017 , 21, 466-489	2.4	6
36	Non-silica fiber and enabled stratified fiber doping for high temperature aerogel insulation. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 160, 120194	4.9	6
35	Two-Dimensional SnSe Compositing with One-Dimensional Mn Nanowires: A Promising Thermoelectric with Ultrahigh Power Factor. <i>ACS Applied Energy Materials</i> , 2020 , 3, 9234-9245	6.1	6
34	Experimental investigation on the springback of AZ31B Mg alloys in warm incremental sheet forming assisted with oil bath heating. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 109, 535-551	3.2	5
33	Parametric investigation for suppressing near-field thermal radiation between two spherical nanoparticles. <i>International Communications in Heat and Mass Transfer</i> , 2012 , 39, 918-922	5.8	5
32	LATTICE BOLTZMANN SIMULATION OF ELECTROOSMOTIC MICROMIXING BY HETEROGENEOUS SURFACE CHARGE. <i>International Journal of Modern Physics C</i> , 2010 , 21, 261-274	1.1	5
31	Thermal-hydraulic and fouling performances of enhanced double H-type finned tubes for residual heat recovery. <i>Applied Thermal Engineering</i> , 2021 , 189, 116724	5.8	5
30	Hydrostatic Pressure Tuning of Thermal Conductivity for PbTe and PbSe Considering Pressure-Induced Phase Transitions. <i>ACS Omega</i> , 2021 , 6, 3980-3990	3.9	4
29	Droplet Nucleation and Growth in the Presence of Noncondensable Gas: A Molecular Dynamics Study. <i>Langmuir</i> , 2021 , 37, 9009-9016	4	4
28	Inhibition of surface ice nucleation by combination of superhydrophobic coating and alcohol spraying. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 134, 628-633	4.9	3
27	Phonon Thermal Properties of Heterobilayers with a Molecular Dynamics Study. <i>International Journal of Thermophysics</i> , 2020 , 41, 1	2.1	3
26	Prediction and evolution of the hydraulic tortuosity for unsaturated flow in actual porous media. <i>Microporous and Mesoporous Materials</i> , 2020 , 298, 110097	5.3	3
25	Apparent permeability study of rarefied gas transport properties through ultra-tight VORONOI porous media by Discrete Velocity Method. <i>Journal of Natural Gas Science and Engineering</i> , 2020 , 74, 103100	4.6	3
24	Biaxial Strain Improving the Thermoelectric Performance of a Two-Dimensional MoS ₂ /WS ₂ Heterostructure. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 2995-3004	4	3
23	Synthesis of dispiro[1-benzothiophene-2,3'-pyrrolidine-2',3]indoline]-2,3-diones in cycloaddition reaction. <i>Chemistry of Heterocyclic Compounds</i> , 2019 , 55, 1044-1049	1.4	3

22	Realizing high thermoelectric performance in hot-pressed polycrystalline $\text{Al}_x\text{Sn}_{1-x}\text{Se}$ through band engineering tuning. <i>Journal of Materiomics</i> , 2021 ,	6.7	3
21	A performance recovery coefficient for thermal-hydraulic evaluation of recuperator in supercritical carbon dioxide Brayton cycle. <i>Energy Conversion and Management</i> , 2022 , 256, 115393	10.6	3
20	The effect of chemical functionalisation on nanoporous energy absorption system. <i>Molecular Simulation</i> , 2017 , 43, 1442-1447	2	2
19	Surfactant-laden droplet behavior on wetting solid wall with non-Newtonian fluid rheology. <i>Physics of Fluids</i> , 2019 , 31, 092104	4.4	2
18	Lattice Boltzmann Study of Non-Newtonian Blood Flow in Mother and Daughter Aneurysm and a Novel Stent Treatment. <i>Advances in Applied Mathematics and Mechanics</i> , 2014 , 6, 165-178	2.1	2
17	Experimental Investigation of Fluid Through Porous Media Packed with Single-Diameter and Multi-diameter Spheres. <i>Transport in Porous Media</i> , 2015 , 110, 449-459	3.1	2
16	Influence of Participating Radiation on Measuring Thermal Conductivity of Translucent Thermal Insulation Materials with Hot Strip Method. <i>Journal of Thermal Science</i> , 1	1.9	2
15	Thermal-hydraulic-structural evaluation of SiO_2 cooling wall tubes: A thermal stress evaluating criterion and optimization. <i>International Journal of Thermal Sciences</i> , 2021 , 170, 107161	4.1	2
14	Design of SiO_2 coal-fired power system based on the multiscale analysis platform. <i>Energy</i> , 2021 , 240, 122482	7.9	1
13	Role of the microridges on cactus spines.. <i>Nanoscale</i> , 2021 ,	7.7	1
12	Lubricant-enhanced self-transport of condensed nanodroplets trapped in Wenzel state. <i>Journal of Molecular Liquids</i> , 2022 , 348, 118206	6	1
11	Enhancing thermoelectric performance of K-doped polycrystalline SnSe through band engineering tuning and hydrogen reduction. <i>Journal of Alloys and Compounds</i> , 2022 , 899, 163358	5.7	1
10	Inhibited radiation transmittance and enhanced thermal stability of silica aerogels under very-high temperature. <i>Ceramics International</i> , 2021 , 47, 19824-19834	5.1	1
9	All-day effective radiative cooling by optically selective and thermally insulating mesoporous materials. <i>Solar Energy</i> , 2022 , 235, 170-179	6.8	1
8	Toward optical selectivity aerogels by plasmonic nanoparticles doping. <i>Renewable Energy</i> , 2022 , 190, 741-751	8.1	1
7	Anti-icing propagation and icephobicity of slippery liquid-infused porous surface for condensation frosting. <i>International Journal of Heat and Mass Transfer</i> , 2022 , 190, 122730	4.9	1
6	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. <i>Chemistry of Heterocyclic Compounds</i> , 2020 , 56, 42-46	1.4	0
5	Capacity-dependent configurations of SiO_2 coal-fired boiler by overall analysis with a unified model. <i>Energy</i> , 2022 , 245, 123246	7.9	0

4	Water molecular bridge undermines thermal insulation of Nano-porous silica aerogels. <i>Journal of Molecular Liquids</i> , 2021 , 349, 118176	6	o
3	Thermal and hydraulic performance of a compact precooler with mini-tube bundles for aero-engine. <i>Applied Thermal Engineering</i> , 2022 , 200, 117656	5.8	o
2	NON-NEWTONIAN FLOW IN MICROCHANNELS. <i>International Journal of Modern Physics Conference Series</i> , 2014 , 34, 1460385	0.7	
1	MODELING VISCOUS FLUID DAMPING IN OSCILLATING MICROSTRUCTURES. <i>Modern Physics Letters B</i> , 2009 , 23, 241-244	1.6	