

Mingjia Li

List of Publications by Year in descending order

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145
papers

6,881
citations

41344

49
h-index

69250

77
g-index

145
all docs

145
docs citations

145
times ranked

3458
citing authors

#	ARTICLE	IF	CITATIONS
1	Solidification in a shell-and-tube thermal energy storage unit filled with longitude fins and metal foam: A numerical study. <i>Energy and Built Environment</i> , 2023, 4, 64-73.	5.9	24
2	Life Cycle Assessment Analysis and Comparison of 1000 MW S-CO ₂ Coal Fired Power Plant and 1000 MW USC Water-Steam Coal-Fired Power Plant. <i>Journal of Thermal Science</i> , 2022, 31, 463-484.	1.9	9
3	Optimization and design criterion of the shell-and-tube thermal energy storage with cascaded PCMs under the constraint of outlet threshold temperature. <i>Renewable Energy</i> , 2022, 181, 1371-1385.	8.9	24
4	Pore-scale modeling of complex transport phenomena in porous media. <i>Progress in Energy and Combustion Science</i> , 2022, 88, 100968.	31.2	139
5	Numerical investigation of tube bundle arrangement effect on falling film fluid flow and heat transfer. <i>Applied Thermal Engineering</i> , 2022, 201, 117828.	6.0	20
6	A comprehensive review on computational studies of falling film hydrodynamics and heat transfer on the horizontal tube and tube bundle. <i>Applied Thermal Engineering</i> , 2022, 202, 117869.	6.0	35
7	Receiver with light-trapping nanostructured coating: A possible way to achieve high-efficiency solar thermal conversion for the next-generation concentrating solar power. <i>Renewable Energy</i> , 2022, 185, 159-171.	8.9	15
8	A comparison between lumped parameter method and computational fluid dynamics method for steady and transient optical-thermal characteristics of the molten salt receiver in solar power tower. <i>Energy</i> , 2022, 245, 123253.	8.8	6
9	A systematic review of supercritical carbon dioxide(S-CO ₂) power cycle for energy industries: Technologies, key issues, and potential prospects. <i>Energy Conversion and Management</i> , 2022, 258, 115437.	9.2	82
10	Lattice Boltzmann Method for Conduction and Radiation Heat Transfer in Composite Materials. <i>Journal of Thermal Science</i> , 2022, 31, 777-789.	1.9	6
11	The comprehensive solution to decrease cooling wall temperatures of sCO ₂ boiler for coal fired power plant. <i>Energy</i> , 2022, 252, 124021.	8.8	9
12	The configuration optimized design method based on real-time efficiency for the application of vanadium redox flow battery in microgrid. <i>Energy Conversion and Management</i> , 2022, 267, 115899.	9.2	9
13	Evaluation of alternative eutectic salt as heat transfer fluid for solar power tower coupling a supercritical CO ₂ Brayton cycle from the viewpoint of system-level analysis. <i>Journal of Cleaner Production</i> , 2021, 279, 123472.	9.3	70
14	Effects of partly-filled encapsulated phase change material on the performance enhancement of solar thermochemical reactor. <i>Journal of Cleaner Production</i> , 2021, 279, 123169.	9.3	15
15	Novel designs of hybrid thermal energy storage system and operation strategies for concentrated solar power plant. <i>Energy</i> , 2021, 216, 119281.	8.8	26
16	The K number, a new analogy criterion number to connect pressure drop and heat transfer of sCO ₂ in vertical tubes. <i>Applied Thermal Engineering</i> , 2021, 182, 116078.	6.0	23
17	A coupled optical-thermal-fluid-mechanical analysis of parabolic trough solar receivers using supercritical CO ₂ as heat transfer fluid. <i>Applied Thermal Engineering</i> , 2021, 183, 116154.	6.0	58
18	Modeling Fouling Process on Tubes with Lattice Boltzmann Method and Immersed Boundary Method. , 2021, , 423-426.		0

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19	Optimization of the packed-bed thermal energy storage with cascaded PCM capsules under the constraint of outlet threshold temperature. <i>Applied Thermal Engineering</i> , 2021, 186, 116473.	6.0	31
20	Novel Matching Strategy for the Coupling of Heat Flux in Furnace Side and CO ₂ Temperature in Tube Side to Control the Cooling Wall Temperatures. <i>Journal of Thermal Science</i> , 2021, 30, 1251-1267.	1.9	1
21	Performance evaluation and exergy analysis of a novel combined cooling, heating and power (CCHP) system based on liquid air energy storage. <i>Energy</i> , 2021, 222, 119975.	8.8	45
22	Economic comparison between sCO ₂ power cycle and water-steam Rankine cycle for coal-fired power generation system. <i>Energy Conversion and Management</i> , 2021, 238, 114150.	9.2	37
23	My 50-year life in studying heat transfer. <i>Applied Thermal Engineering</i> , 2021, 194, 116947.	6.0	5
24	Advanced carbon sequestration by the hybrid system of photobioreactor and microbial fuel cell with novel photocatalytic porous framework. <i>Bioresource Technology</i> , 2021, 333, 125182.	9.6	18
25	A novel model for predicting the effective specific heat capacity of molten salt doped with nanomaterial for solar energy application. <i>Applied Thermal Engineering</i> , 2021, 195, 117129.	6.0	8
26	Activating triple-phase boundary via building oxygen-electrolyte interfaces to construct high-performance pH-disparate direct liquid fuel cells. <i>Chemical Engineering Journal</i> , 2021, 418, 129480.	12.7	8
27	Study of carbon dioxide sequestration and electricity generation by a new hybrid bioenergy system with the novelty catalyst. <i>Applied Thermal Engineering</i> , 2021, 197, 117366.	6.0	2
28	Coupled optical-thermal-stress characteristics of a multi-tube external molten salt receiver for the next generation concentrating solar power. <i>Energy</i> , 2021, 233, 121110.	8.8	16
29	Conceptual design of porous volumetric solar receiver using molten salt as heat transfer fluid. <i>Applied Energy</i> , 2021, 301, 117400.	10.1	17
30	The three-regime-model for pseudo-boiling in supercritical pressure. <i>International Journal of Heat and Mass Transfer</i> , 2021, 181, 121875.	4.8	35
31	A general and rapid method to evaluate the effect of flow maldistribution on the performance of heat exchangers. <i>International Journal of Thermal Sciences</i> , 2021, 170, 107152.	4.9	11
32	Peripheral heat transfer prediction of the subcooled falling liquid film on a horizontal smooth tube. <i>Physics of Fluids</i> , 2021, 33, .	4.0	6
33	A new methodology of thermal performance improvement and numerical analysis of free-falling particle receiver. <i>Solar Energy</i> , 2021, 230, 1141-1155.	6.1	7
34	Falling film evaporation in a triangular tube bundle under the influence of cross vapor stream. <i>International Journal of Refrigeration</i> , 2020, 112, 44-55.	3.4	15
35	Design and experimental investigation of a novel full solar spectrum utilization system. <i>Applied Energy</i> , 2020, 260, 114258.	10.1	21
36	Achievement of a novel porous non-noble-metal catalyst with excellent oxygen reduction reaction activity: Promoting the commercialization of alkaline fuel cells. <i>Journal of Cleaner Production</i> , 2020, 249, 119314.	9.3	17

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37	Numerical and experimental analysis of optimized conical flask photobioreactor structures to improve liquid-gas two-phase distribution and microalgae carbon sequestration. <i>Applied Thermal Engineering</i> , 2020, 180, 115855.	6.0	7
38	Effect of non-uniform heating on scCO ₂ heat transfer deterioration. <i>Applied Thermal Engineering</i> , 2020, 181, 115967.	6.0	21
39	Scale law of sCO ₂ coal fired power plants regarding system performance dependent on power capacities. <i>Energy Conversion and Management</i> , 2020, 226, 113505.	9.2	16
40	Two-dimensional numerical model for predicting fouling shape growth based on immersed boundary method and lattice Boltzmann method. <i>Applied Thermal Engineering</i> , 2020, 179, 115755.	6.0	9
41	Editorial: The special issue of ENERGY – The International Journal dedicated to the 1st International Conference on Supercritical CO ₂ Power System (ICSPS-2018). <i>Energy</i> , 2020, 213, 118776.	8.8	0
42	A multiscale method for predicting the long-term emission behaviors of semivolatile organic compounds. <i>Building and Environment</i> , 2020, 186, 107285.	6.9	2
43	Experimental and numerical study on the reflectance losses of the porous volumetric solar receiver. <i>Solar Energy Materials and Solar Cells</i> , 2020, 214, 110558.	6.2	10
44	Synergetics: The cooperative phenomenon in multi-compressions S-CO ₂ power cycles. <i>Energy Conversion and Management: X</i> , 2020, 7, 100042.	1.6	10
45	Computational fluid dynamics prediction of formaldehyde emission and sorption processes in a small test chamber with mixing fan and vents. <i>Atmospheric Environment</i> , 2020, 229, 117455.	4.1	9
46	Coupled optical and thermal performance of a fin-like molten salt receiver for the next-generation solar power tower. <i>Applied Energy</i> , 2020, 272, 115079.	10.1	50
47	Perspective of concentrating solar power. <i>Energy</i> , 2020, 198, 117373.	8.8	254
48	Performance analysis and optimization of solar thermochemical reactor by diluting catalyst with encapsulated phase change material. <i>Applied Energy</i> , 2020, 266, 114862.	10.1	14
49	Experimental study of the falling film evaporation coefficients of R290 in a horizontal enhanced tube array. <i>International Journal of Heat and Mass Transfer</i> , 2020, 159, 120099.	4.8	7
50	Numerical investigation of dust sedimentation effects on wall adsorption of indoor SVOC by the immersed boundary-lattice Boltzmann method. <i>Building and Environment</i> , 2020, 180, 106974.	6.9	2
51	Fouling potential prediction and multi-objective optimization of a flue gas heat exchanger using neural networks and genetic algorithms. <i>International Journal of Heat and Mass Transfer</i> , 2020, 152, 119488.	4.8	43
52	Energy, exergy and economic (3E) evaluation and conceptual design of the 1000MW coal-fired power plants integrated with S-CO ₂ Brayton cycles. <i>Energy Conversion and Management</i> , 2020, 211, 112713.	9.2	55
53	Perspective of sCO ₂ power cycles. <i>Energy</i> , 2019, 186, 115831.	8.8	106
54	A half-analytical correlation of total melting time for shell-and-tube latent-heat thermal energy storage unit. <i>Applied Thermal Engineering</i> , 2019, 161, 114176.	6.0	16

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55	Performance comparison of SPT systems integrated with various supercritical CO ₂ -based mixture Brayton cycles based on multi-objective optimization. <i>Energy Procedia</i> , 2019, 158, 1823-1828.	1.8	4
56	Comparisons of thermal performance and cost for three thermal energy storage systems utilized in supercritical CO ₂ Brayton cycle. <i>Energy Procedia</i> , 2019, 158, 4696-4701.	1.8	14
57	Mesoscopic modeling of transport resistances in a polymer-electrolyte fuel-cell catalyst layer: Analysis of hydrogen limiting currents. <i>Applied Energy</i> , 2019, 255, 113895.	10.1	28
58	A study of new method and comprehensive evaluation on the improved performance of solar power tower plant with the CO ₂ -based mixture cycles. <i>Applied Energy</i> , 2019, 256, 113837.	10.1	21
59	A general and rapid method for performance evaluation of enhanced heat transfer techniques. <i>International Journal of Heat and Mass Transfer</i> , 2019, 145, 118780.	4.8	19
60	Experimental studies of organic Rankine cycle systems using scroll expanders with different suction volumes. <i>Journal of Cleaner Production</i> , 2019, 218, 241-249.	9.3	36
61	Structure and dynamics of microbial fuel cell catalyst layer. <i>Electrochimica Acta</i> , 2019, 300, 404-416.	5.2	10
62	Optical efficiency improvement of solar power tower by employing and optimizing novel fin-like receivers. <i>Energy Conversion and Management</i> , 2019, 184, 219-234.	9.2	34
63	A comprehensive understanding of enhanced condensation heat transfer using phase separation concept. <i>Energy</i> , 2019, 172, 661-674.	8.8	21
64	Specific heat capacity improvement of molten salt for solar energy applications using charged single-walled carbon nanotubes. <i>Applied Energy</i> , 2019, 250, 1481-1490.	10.1	29
65	Overlap energy utilization reaches maximum efficiency for S-CO ₂ coal fired power plant: A new principle. <i>Energy Conversion and Management</i> , 2019, 195, 99-113.	9.2	41
66	Fouling and thermal-hydraulic characteristics of aligned elliptical tube and honeycomb circular tube in flue gas heat exchangers. <i>Fuel</i> , 2019, 251, 316-327.	6.4	24
67	A novel semi-empirical model on predicting the thermal conductivity of diathermic oil-based nanofluid for solar thermal application. <i>International Journal of Heat and Mass Transfer</i> , 2019, 138, 1002-1013.	4.8	13
68	Electrochemical method for dissolved oxygen consumption on-line in tubular photobioreactor. <i>Energy</i> , 2019, 177, 158-166.	8.8	17
69	Thermodynamic analysis and performance prediction on dynamic response characteristic of PCHE in 1000 MW S-CO ₂ coal fired power plant. <i>Energy</i> , 2019, 175, 123-138.	8.8	62
70	Lattice Boltzmann method simulation of SVOC mass transfer with particle suspensions. <i>International Journal of Heat and Mass Transfer</i> , 2019, 135, 685-695.	4.8	5
71	A review of current progress in multiscale simulations for fluid flow and heat transfer problems: The frameworks, coupling techniques and future perspectives. <i>International Journal of Heat and Mass Transfer</i> , 2019, 137, 1263-1289.	4.8	39
72	Thermodynamic performance analysis of different supercritical Brayton cycles using CO ₂ -based binary mixtures in the molten salt solar power tower systems. <i>Energy</i> , 2019, 173, 785-798.	8.8	74

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73	The investigation of thermo-economic performance and conceptual design for the miniaturized lead-cooled fast reactor composing supercritical CO ₂ power cycle. <i>Energy</i> , 2019, 173, 174-195.	8.8	66
74	Numerical and experimental study on heat transfer and flow features of representative molten salts for energy applications in turbulent tube flow. <i>International Journal of Heat and Mass Transfer</i> , 2019, 135, 732-745.	4.8	36
75	A numerical model coupling bubble flow, light transfer, cell motion and growth kinetics for real timescale microalgae cultivation and its applications in flat plate photobioreactors. <i>Algal Research</i> , 2019, 44, 101727.	4.6	13
76	Heat transfer correlations of refrigerant falling film evaporation on a single horizontal smooth tube. <i>International Journal of Heat and Mass Transfer</i> , 2019, 133, 96-106.	4.8	39
77	Supercritical "boiling" number, a new parameter to distinguish two regimes of carbon dioxide heat transfer in tubes. <i>International Journal of Thermal Sciences</i> , 2019, 136, 254-266.	4.9	112
78	Application and numerical error analysis of multiscale method for air flow, heat and pollutant transfer through different scale urban areas. <i>Building and Environment</i> , 2019, 149, 349-365.	6.9	10
79	Falling film evaporation and nucleate pool boiling heat transfer of R134a on the same enhanced tube. <i>Applied Thermal Engineering</i> , 2019, 147, 113-121.	6.0	30
80	Experimental and numerical study on the performance of a new high-temperature packed-bed thermal energy storage system with macroencapsulation of molten salt phase change material. <i>Applied Energy</i> , 2018, 221, 1-15.	10.1	173
81	General performance evaluation charts and effectiveness correlations for the design of thermocline heat storage system. <i>Chemical Engineering Science</i> , 2018, 185, 105-115.	3.8	9
82	The effect of the full-spectrum characteristics of nanostructure on the PV-TE hybrid system performances within multi-physics coupling process. <i>Applied Energy</i> , 2018, 213, 169-178.	10.1	31
83	Multi-physics analysis: The coupling effects of nanostructures on the low concentrated black silicon photovoltaic system performances. <i>Energy Conversion and Management</i> , 2018, 159, 129-139.	9.2	15
84	Optimizing thermal conductivity distribution for heat conduction problems with different optimization objectives. <i>International Journal of Heat and Mass Transfer</i> , 2018, 119, 343-354.	4.8	10
85	Numerical investigation of SVOC mass transport in a tube by an axisymmetric lattice Boltzmann method. <i>Building and Environment</i> , 2018, 128, 180-189.	6.9	4
86	A comprehensive numerical study on the subcooled falling film heat transfer on a horizontal smooth tube. <i>International Journal of Heat and Mass Transfer</i> , 2018, 119, 259-270.	4.8	66
87	The thermodynamic and cost-benefit-analysis of miniaturized lead-cooled fast reactor with supercritical CO ₂ power cycle in the commercial market. <i>Progress in Nuclear Energy</i> , 2018, 103, 135-150.	2.9	45
88	A systematic comparison of different S-CO ₂ Brayton cycle layouts based on multi-objective optimization for applications in solar power tower plants. <i>Applied Energy</i> , 2018, 212, 109-121.	10.1	152
89	Hydrodynamic behaviors of the falling film flow on a horizontal tube and construction of new film thickness correlation. <i>International Journal of Heat and Mass Transfer</i> , 2018, 119, 564-576.	4.8	63
90	Melting performance enhancement of phase change material by a limited amount of metal foam: Configurational optimization and economic assessment. <i>Applied Energy</i> , 2018, 212, 868-880.	10.1	143

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91	Effect of downward vapor stream on falling film evaporation of R134a in a tube bundle. International Journal of Refrigeration, 2018, 89, 112-121.	3.4	22
92	Oxygen diffusion in cation-form Nafion membrane of microbial fuel cells. Electrochimica Acta, 2018, 276, 268-283.	5.2	27
93	Experimental investigation of R410A and R32 falling film evaporation on horizontal enhanced tubes. Applied Thermal Engineering, 2018, 137, 739-748.	6.0	44
94	Eccentricity optimization of a horizontal shell-and-tube latent-heat thermal energy storage unit based on melting and melting-solidifying performance. Applied Energy, 2018, 220, 447-454.	10.1	102
95	A review of mass-transfer models and mechanistic studies of semi-volatile organic compounds in indoor environments. Indoor and Built Environment, 2018, 27, 1307-1321.	2.8	22
96	Cross Vapor Stream Effect on Falling Film Evaporation in Horizontal Tube Bundle Using R134a. Heat Transfer Engineering, 2018, 39, 724-737.	1.9	16
97	Experimental study of the local and average falling film evaporation coefficients in a horizontal enhanced tube bundle using R134a. Applied Thermal Engineering, 2018, 129, 502-511.	6.0	44
98	Experimental study on thermal performance of high-temperature molten salt cascaded latent heat thermal energy storage system. International Journal of Heat and Mass Transfer, 2018, 118, 997-1011.	4.8	109
99	Cyclic thermal performance analysis of a traditional Single-Layered and of a novel Multi-Layered Packed-Bed molten salt Thermocline Tank. Renewable Energy, 2018, 118, 565-578.	8.9	63
100	Unconventional localization prior to wrinkles and controllable surface patterns of film/substrate bilayers through patterned cavities. Extreme Mechanics Letters, 2018, 25, 66-70.	4.1	3
101	Lattice Boltzmann method for conjugated heat and mass transfer with general interfacial conditions. Physical Review E, 2018, 98, .	2.1	21
102	High efficient solar parabolic trough receiver reactors combined with phase change material for thermochemical reactions. Applied Energy, 2018, 230, 769-783.	10.1	38
103	Key issues and solution strategies for supercritical carbon dioxide coal fired power plant. Energy, 2018, 157, 227-246.	8.8	188
104	An experimental study on the heat transfer performance of a prototype molten-salt rod baffle heat exchanger for concentrated solar power. Energy, 2018, 156, 63-72.	8.8	48
105	Numerical and Experimental study on the performance of a new two-layered high-temperature packed-bed thermal energy storage system with changed-diameter macro-encapsulation capsule. Applied Thermal Engineering, 2018, 142, 830-845.	6.0	73
106	Connected-top-bottom-cycle to cascade utilize flue gas heat for supercritical carbon dioxide coal fired power plant. Energy Conversion and Management, 2018, 172, 138-154.	9.2	115
107	Modeling a hybrid methodology for evaluating and forecasting regional energy efficiency in China. Applied Energy, 2017, 185, 1769-1777.	10.1	60
108	Thermal analysis of solar central receiver tube with porous inserts and non-uniform heat flux. Applied Energy, 2017, 185, 1152-1161.	10.1	62

#	ARTICLE	IF	CITATIONS
109	Simulation of real time particle deposition and removal processes on tubes by coupled numerical method. <i>Applied Energy</i> , 2017, 185, 2181-2193.	10.1	57
110	Experimental investigations of R134a and R123 falling film evaporation on enhanced horizontal tubes. <i>International Journal of Refrigeration</i> , 2017, 75, 190-203.	3.4	56
111	Economical evaluation and optimization of organic Rankine cycle with mixture working fluids using R245fa as flame retardant. <i>Applied Thermal Engineering</i> , 2017, 113, 1056-1070.	6.0	65
112	Aiming strategy optimization for uniform flux distribution in the receiver of a linear Fresnel solar reflector using a multi-objective genetic algorithm. <i>Applied Energy</i> , 2017, 205, 1394-1407.	10.1	61
113	Pore-scale numerical simulation of fully coupled heat transfer process in porous volumetric solar receiver. <i>Energy</i> , 2017, 140, 1267-1275.	8.8	82
114	Gas-side fouling, erosion and corrosion of heat exchangers for middle/low temperature waste heat utilization: A review on simulation and experiment. <i>Applied Thermal Engineering</i> , 2017, 126, 737-761.	6.0	95
115	The development technology and applications of supercritical CO ₂ power cycle in nuclear energy, solar energy and other energy industries. <i>Applied Thermal Engineering</i> , 2017, 126, 255-275.	6.0	301
116	Nucleate boiling performance evaluation of cavities at mesoscale level. <i>International Journal of Heat and Mass Transfer</i> , 2017, 106, 708-719.	4.8	62
117	Review of methodologies and polices for evaluation of energy efficiency in high energy-consuming industry. <i>Applied Energy</i> , 2017, 187, 203-215.	10.1	229
118	Thermal performance analysis of a parabolic trough solar collector using supercritical CO ₂ as heat transfer fluid under non-uniform solar flux. <i>Applied Thermal Engineering</i> , 2017, 115, 1255-1265.	6.0	182
119	Multi-objective optimization of the solar absorptivity distribution inside a cavity solar receiver for solar power towers. <i>Solar Energy</i> , 2017, 158, 247-258.	6.1	36
120	A hybrid model for explaining the short-term dynamics of energy efficiency of China's thermal power plants. <i>Applied Energy</i> , 2016, 169, 738-747.	10.1	56
121	Heat transfer correlation of the falling film evaporation on a single horizontal smooth tube. <i>Applied Thermal Engineering</i> , 2016, 103, 177-186.	6.0	72
122	Buoyancy flows and pollutant dispersion through different scale urban areas: CFD simulations and wind-tunnel measurements. <i>Building and Environment</i> , 2016, 104, 76-91.	6.9	56
123	Pore-scale modelling of dynamic interaction between SVOCs and airborne particles with lattice Boltzmann method. <i>Building and Environment</i> , 2016, 104, 152-161.	6.9	22
124	Wind-tunnel measurements for thermal effects on the air flow and pollutant dispersion through different scale urban areas. <i>Building and Environment</i> , 2016, 97, 137-151.	6.9	82
125	A compressible lattice Boltzmann finite volume model for high subsonic and transonic flows on regular lattices. <i>Computers and Fluids</i> , 2016, 131, 45-55.	2.5	37
126	Performance simulation of a two-phase flow distributor for plate-fin heat exchanger. <i>Applied Thermal Engineering</i> , 2016, 99, 1236-1245.	6.0	24

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127	A data envelopment analysis for energy efficiency of coal-fired power units in China. <i>Energy Conversion and Management</i> , 2015, 102, 121-130.	9.2	79
128	Lattice Boltzmann Pore-Scale Investigation of Coupled Physical-electrochemical Processes in C/Pt and Non-Precious Metal Cathode Catalyst Layers in Proton Exchange Membrane Fuel Cells. <i>Electrochimica Acta</i> , 2015, 158, 175-186.	5.2	114
129	Optimization of porous insert configurations for heat transfer enhancement in tubes based on genetic algorithm and CFD. <i>International Journal of Heat and Mass Transfer</i> , 2015, 87, 376-379.	4.8	59
130	Coupling finite volume and lattice Boltzmann methods for pore scale investigation on volatile organic compounds emission process. <i>Building and Environment</i> , 2015, 92, 236-245.	6.9	20
131	Pore-scale modeling of effective diffusion coefficient of building materials. <i>International Journal of Heat and Mass Transfer</i> , 2015, 90, 1266-1274.	4.8	38
132	A Compressible Thermal Lattice Boltzmann Model with Factorization Symmetry. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2014, 66, 544-562.	0.9	5
133	A parameter study of tube bundle heat exchangers for fouling rate reduction. <i>International Journal of Heat and Mass Transfer</i> , 2014, 72, 210-221.	4.8	112
134	The Temperature Effect on the Diffusion Processes of Water and Proton in the Proton Exchange Membrane Using Molecular Dynamics Simulation. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014, 65, 216-228.	2.1	41
135	Performance optimization of two-stage latent heat storage unit based on entransy theory. <i>International Journal of Heat and Mass Transfer</i> , 2014, 77, 695-703.	4.8	79
136	Investigation of Re -independence of turbulent flow and pollutant dispersion in urban street canyon using numerical wind tunnel (NWT) models. <i>International Journal of Heat and Mass Transfer</i> , 2014, 79, 176-188.	4.8	42
137	The impact of concrete structure on the thermal performance of the dual-media thermocline thermal storage tank using concrete as the solid medium. <i>Applied Energy</i> , 2014, 113, 1363-1371.	10.1	72
138	Numerical simulation of solar radiation transmission process for the solar tower power plant: From the heliostat field to the pressurized volumetric receiver. <i>Applied Thermal Engineering</i> , 2013, 61, 583-595.	6.0	59
139	Parametric optimization of regenerative organic Rankine cycle (ORC) for low grade waste heat recovery using genetic algorithm. <i>Energy</i> , 2013, 58, 473-482.	8.8	161
140	Experimental study on the performance of a novel structure for two-phase flow distribution in parallel vertical channels. <i>International Journal of Multiphase Flow</i> , 2013, 53, 65-74.	3.4	23
141	Thermal behavior of porous stainless-steel fiber felt saturated with phase change material. <i>Energy</i> , 2013, 55, 846-852.	8.8	44
142	Coupling of finite volume method and thermal lattice Boltzmann method and its application to natural convection. <i>International Journal for Numerical Methods in Fluids</i> , 2012, 70, 200-221.	1.6	18
143	Multiscale Simulations of Heat Transfer and Fluid Flow Problems. <i>Journal of Heat Transfer</i> , 2012, 134, .	2.1	61
144	A performance evaluation plot of enhanced heat transfer techniques oriented for energy-saving. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 33-44.	4.8	213

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145	Factors influencing the lowest refrigerating temperature of the miniature co-axial pulse tube refrigerator. Heat Transfer - Asian Research, 2005, 34, 219-225.	2.8	0