

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

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all docs

145
docs citations

145
times ranked

3458
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Perspective of concentrating solar power. <i>Energy</i> , 2020, 198, 117373.	8.8	254
3	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
4	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
5	Key issues and solution strategies for supercritical carbon dioxide coal fired power plant. <i>Energy</i> , 2018, 157, 227-246.	8.8	188
6	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
7	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
8	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
9	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
10	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
11	Pore-scale modeling of complex transport phenomena in porous media. <i>Progress in Energy and Combustion Science</i> , 2022, 88, 100968.	31.2	139
12	Connected-top-bottom-cycle to cascade utilize flue gas heat for supercritical carbon dioxide coal fired power plant. <i>Energy Conversion and Management</i> , 2018, 172, 138-154.	9.2	115
13	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
14	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
15	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
16	Experimental study on thermal performance of high-temperature molten salt cascaded latent heat thermal energy storage system. <i>International Journal of Heat and Mass Transfer</i> , 2018, 118, 997-1011.	4.8	109
17	Perspective of S-CO ₂ power cycles. <i>Energy</i> , 2019, 186, 115831.	8.8	106
18	Eccentricity optimization of a horizontal shell-and-tube latent-heat thermal energy storage unit based on melting and melting-solidifying performance. <i>Applied Energy</i> , 2018, 220, 447-454.	10.1	102

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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. <i>Applied Thermal Engineering</i> , 2018, 142, 830-845.	6.0	73
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	Cyclic thermal performance analysis of a traditional Single-Layered and of a novel Multi-Layered Packed-Bed molten salt Thermocline Tank. <i>Renewable Energy</i> , 2018, 118, 565-578.	8.9	63
35	Thermal analysis of solar central receiver tube with porous inserts and non-uniform heat flux. <i>Applied Energy</i> , 2017, 185, 1152-1161.	10.1	62
36	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

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37	Thermodynamic analysis and performance prediction on dynamic response characteristic of PCHE in 1000MW S-CO ₂ coal fired power plant. <i>Energy</i> , 2019, 175, 123-138.	8.8	62
38	Multiscale Simulations of Heat Transfer and Fluid Flow Problems. <i>Journal of Heat Transfer</i> , 2012, 134, .	2.1	61
39	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
40	Modeling a hybrid methodology for evaluating and forecasting regional energy efficiency in China. <i>Applied Energy</i> , 2017, 185, 1769-1777.	10.1	60
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	An experimental study on the heat transfer performance of a prototype molten-salt rod baffle heat exchanger for concentrated solar power. <i>Energy</i> , 2018, 156, 63-72.	8.8	48
51	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
52	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
53	Thermal behavior of porous stainless-steel fiber felt saturated with phase change material. <i>Energy</i> , 2013, 55, 846-852.	8.8	44
54	Experimental investigation of R410A and R32 falling film evaporation on horizontal enhanced tubes. <i>Applied Thermal Engineering</i> , 2018, 137, 739-748.	6.0	44

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55	Experimental study of the local and average falling film evaporation coefficients in a horizontal enhanced tube bundle using R134a. <i>Applied Thermal Engineering</i> , 2018, 129, 502-511.	6.0	44
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	High efficient solar parabolic trough receiver reactors combined with phase change material for thermochemical reactions. <i>Applied Energy</i> , 2018, 230, 769-783.	10.1	38
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	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

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73	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
74	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
75	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
76	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
77	Oxygen diffusion in cation-form Nafion membrane of microbial fuel cells. <i>Electrochimica Acta</i> , 2018, 276, 268-283.	5.2	27
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	Effect of downward vapor stream on falling film evaporation of R134a in a tube bundle. <i>International Journal of Refrigeration</i> , 2018, 89, 112-121.	3.4	22
87	A review of mass-transfer models and mechanistic studies of semi-volatile organic compounds in indoor environments. <i>Indoor and Built Environment</i> , 2018, 27, 1307-1321.	2.8	22
88	Lattice Boltzmann method for conjugated heat and mass transfer with general interfacial conditions. <i>Physical Review E</i> , 2018, 98, .	2.1	21
89	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
90	A comprehensive understanding of enhanced condensation heat transfer using phase separation concept. <i>Energy</i> , 2019, 172, 661-674.	8.8	21

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91	Design and experimental investigation of a novel full solar spectrum utilization system. Applied Energy, 2020, 260, 114258.	10.1	21
92	Effect of non-uniform heating on scCO ₂ heat transfer deterioration. Applied Thermal Engineering, 2020, 181, 115967.	6.0	21
93	Coupling finite volume and lattice Boltzmann methods for pore scale investigation on volatile organic compounds emission process. Building and Environment, 2015, 92, 236-245.	6.9	20
94	Numerical investigation of tube bundle arrangement effect on falling film fluid flow and heat transfer. Applied Thermal Engineering, 2022, 201, 117828.	6.0	20
95	A general and rapid method for performance evaluation of enhanced heat transfer techniques. International Journal of Heat and Mass Transfer, 2019, 145, 118780.	4.8	19
96	Coupling of finite volume method and thermal lattice Boltzmann method and its application to natural convection. International Journal for Numerical Methods in Fluids, 2012, 70, 200-221.	1.6	18
97	Advanced carbon sequestration by the hybrid system of photobioreactor and microbial fuel cell with novel photocatalytic porous framework. Bioresource Technology, 2021, 333, 125182.	9.6	18
98	Electrochemical method for dissolved oxygen consumption on-line in tubular photobioreactor. Energy, 2019, 177, 158-166.	8.8	17
99	Achievement of a novel porous non-noble-metal catalyst with excellent oxygen reduction reaction activity: Promoting the commercialization of alkaline fuel cells. Journal of Cleaner Production, 2020, 249, 119314.	9.3	17
100	Conceptual design of porous volumetric solar receiver using molten salt as heat transfer fluid. Applied Energy, 2021, 301, 117400.	10.1	17
101	Cross Vapor Stream Effect on Falling Film Evaporation in Horizontal Tube Bundle Using R134a. Heat Transfer Engineering, 2018, 39, 724-737.	1.9	16
102	A half-analytical correlation of total melting time for shell-and-tube latent-heat thermal energy storage unit. Applied Thermal Engineering, 2019, 161, 114176.	6.0	16
103	Scale law of sCO ₂ coal fired power plants regarding system performance dependent on power capacities. Energy Conversion and Management, 2020, 226, 113505.	9.2	16
104	Coupled optical-thermal-stress characteristics of a multi-tube external molten salt receiver for the next generation concentrating solar power. Energy, 2021, 233, 121110.	8.8	16
105	Multi-physics analysis: The coupling effects of nanostructures on the low concentrated black silicon photovoltaic system performances. Energy Conversion and Management, 2018, 159, 129-139.	9.2	15
106	Falling film evaporation in a triangular tube bundle under the influence of cross vapor stream. International Journal of Refrigeration, 2020, 112, 44-55.	3.4	15
107	Effects of partly-filled encapsulated phase change material on the performance enhancement of solar thermochemical reactor. Journal of Cleaner Production, 2021, 279, 123169.	9.3	15
108	Receiver with light-trapping nanostructured coating: A possible way to achieve high-efficiency solar thermal conversion for the next-generation concentrating solar power. Renewable Energy, 2022, 185, 159-171.	8.9	15

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109	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
110	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
111	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
112	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
113	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
114	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
115	Structure and dynamics of microbial fuel cell catalyst layer. <i>Electrochimica Acta</i> , 2019, 300, 404-416.	5.2	10
116	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
117	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
118	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
119	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
120	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
121	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
122	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
123	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
124	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
125	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
126	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

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127	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
128	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
129	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
130	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
131	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
132	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
133	A Compressible Thermal Lattice Boltzmann Model with Factorization Symmetry. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2014, 66, 544-562.	0.9	5
134	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
135	My 50-year life in studying heat transfer. <i>Applied Thermal Engineering</i> , 2021, 194, 116947.	6.0	5
136	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
137	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
138	Unconventional localization prior to wrinkles and controllable surface patterns of film/substrate bilayers through patterned cavities. <i>Extreme Mechanics Letters</i> , 2018, 25, 66-70.	4.1	3
139	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
140	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
141	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
142	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
143	Factors influencing the lowest refrigerating temperature of the miniature co-axial pulse tube refrigerator. <i>Heat Transfer - Asian Research</i> , 2005, 34, 219-225.	2.8	0
144	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

#	ARTICLE	IF	CITATIONS
145	Modeling Fouling Process on Tubes with Lattice Boltzmann Method and Immersed Boundary Method. , 2021, , 423-426.		0