

Song Mengjie

List of Publications by Year in descending order

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211
papers

8,578
citations

50170

46
h-index

53109

85
g-index

214
all docs

214
docs citations

214
times ranked

5783
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical investigation on the heat flux properties of a thermal manikin in sleeping environments applying task/ambient air conditioning. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 1675-1688.	2.0	5
2	A real-time forecast of tunnel fire based on numerical database and artificial intelligence. <i>Building Simulation</i> , 2022, 15, 511-524.	3.0	43
3	Robust and general predictive models for condensation heat transfer inside conventional and mini/micro channel heat exchangers. <i>Applied Thermal Engineering</i> , 2022, 201, 117737.	3.0	35
4	Optimization on integrated inverter-compressor CO2 heat pump with new operating model. <i>Applied Thermal Engineering</i> , 2022, 200, 117632.	3.0	8
5	A modeling study of spatial and temporal frost growth on the edge of windward fins for a tube-finned heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , 2022, 183, 122093.	2.5	6
6	Modeling study on sessile water droplet during freezing with the consideration of gravity, supercooling, and volume expansion effects. <i>International Journal of Multiphase Flow</i> , 2022, 147, 103909.	1.6	20
7	Dynamic model development for vehicle air conditioners based on physics-guided deep learning. <i>International Journal of Refrigeration</i> , 2022, 134, 126-138.	1.8	6
8	Temporal and spatial frost growth prediction of a tube-finned heat exchanger considering frost distribution characteristics. <i>International Journal of Heat and Mass Transfer</i> , 2022, 183, 122192.	2.5	9
9	Optical Performance Comparison of Different Shapes of Cavity Receiver in the Fixed Line-Focus Solar Concentrating System. <i>Sustainability</i> , 2022, 14, 1545.	1.6	0
10	Modification of Beta Zeolites and Their Application in Catalytic Oxidation of Propane. <i>ChemistrySelect</i> , 2022, 7, .	0.7	4
11	An experimental study on the effect of horizontal cold plate surface temperature on frosting characteristics under natural convection. <i>Applied Thermal Engineering</i> , 2022, 211, 118416.	3.0	13
12	Editorial: Emerging Sustainable and Energy-Efficient Technologies in Heat Pumps for Residential Heating. <i>Frontiers in Energy Research</i> , 2022, 10, .	1.2	1
13	Experimental study on the effect of surface temperature on the frost characteristics of an inverted cold plate under natural convection. <i>Applied Thermal Engineering</i> , 2022, 211, 118470.	3.0	9
14	Mathematical modeling investigation on flow boiling and high efficiency heat dissipation of two rectangular radial microchannel heat exchangers. <i>International Journal of Heat and Mass Transfer</i> , 2022, 190, 122736.	2.5	9
15	The controllable synthesis of orange-red emissive Au nanoclusters and their use as a portable colorimetric fluorometric probe for dopamine. <i>New Journal of Chemistry</i> , 2022, 46, 9595-9601.	1.4	1
16	Experimental study on the effect of surface temperature on the frost characteristics of a vertical cold plate under natural convection. <i>Experimental Thermal and Fluid Science</i> , 2022, 137, 110684.	1.5	4
17	Numerical study on supply parameters's influence on ventilation performance of a personalized air conditioning system for sleeping environments. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 11331-11343.	2.0	1
18	Parameter identification of a delayed infinite-dimensional heat-exchanger process based on relay feedback and root loci analysis. <i>Scientific Reports</i> , 2022, 12, .	1.6	10

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19	Experimental Study on Solidification Characteristics of Sessile Urine Droplets on a Horizontal Cold Plate Surface under Natural Convection. <i>Langmuir</i> , 2022, 38, 7846-7857.	1.6	13
20	Frosting mechanism and behaviors on surfaces with simple geometries: A state-of-the-art literature review. <i>Applied Thermal Engineering</i> , 2022, 215, 118984.	3.0	25
21	A data analytics-based tool for the detection and diagnosis of anomalous daily energy patterns in buildings. <i>Building Simulation</i> , 2021, 14, 131-147.	3.0	34
22	Smart Detection of Fire Source in Tunnel Based on the Numerical Database and Artificial Intelligence. <i>Fire Technology</i> , 2021, 57, 657-682.	1.5	81
23	Advanced data analytics for building energy modeling and management. <i>Building Simulation</i> , 2021, 14, 1-2.	3.0	7
24	Performance evaluation and multi-objective optimization of a low-temperature CO2 heat pump water heater based on artificial neural network and new economic analysis. <i>Energy</i> , 2021, 216, 119232.	4.5	39
25	Advanced data analytics for enhancing building performances: From data-driven to big data-driven approaches. <i>Building Simulation</i> , 2021, 14, 3-24.	3.0	116
26	Development of an ANN-based building energy model for information-poor buildings using transfer learning. <i>Building Simulation</i> , 2021, 14, 89-101.	3.0	57
27	The phytochemistry, pharmacology and traditional medicinal use of <i>Glechomae Herba</i> a systematic review. <i>RSC Advances</i> , 2021, 11, 19221-19237.	1.7	5
28	Meet Our Editor-in-Chief. <i>Recent Patents on Mechanical Engineering</i> , 2021, 14, 3-3.	0.2	0
29	Seasonal energy performance evaluation with new perspective on partial-coupling ejection-compression solar cooling system for modern city buildings. <i>Energy Conversion and Management</i> , 2021, 233, 113875.	4.4	4
30	Effects of Receiver Parameters on Solar Flux Distribution for Triangle Cavity Receiver in the Fixed Linear-Focus Fresnel Lens Solar Concentrator. <i>Sustainability</i> , 2021, 13, 6139.	1.6	6
31	A numerical study on frosting and its early stage under forced convection conditions with surface and environmental factors considered. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101202.	1.7	5
32	Numerical Griding Stability Charts Estimation using Quasi-polynomial Approximation for TDS. , 2021, , .		3
33	Experimental Investigation and Control of a Hot-Air Tunnel with Improved Performance and Energy Saving. <i>ACS Omega</i> , 2021, 6, 16194-16215.	1.6	1
34	Proposal and experimental case study on building ventilating fan fault diagnosis based on cuckoo search algorithm optimized extreme learning machine. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 100975.	1.7	14
35	Numerical simulation on heating performances of a radiant-convective heating terminal. <i>Journal of Building Engineering</i> , 2021, 39, 102307.	1.6	2
36	A Joint User Scheduling and Trajectory Planning Data Collection Strategy for the UAV-Assisted WSN. <i>IEEE Communications Letters</i> , 2021, 25, 2333-2337.	2.5	23

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37	Saturated flow boiling inside conventional and mini/micro channels: A new general model for frictional pressure drop using genetic programming. <i>International Journal of Refrigeration</i> , 2021, 132, 197-212.	1.8	11
38	A modeling study of sessile water droplet on the cold plate surface during freezing under natural convection with gravity effect considered. <i>International Journal of Multiphase Flow</i> , 2021, 143, 103749.	1.6	7
39	Effects of receiver parameters on the optical efficiency of a fixed linear-focus Fresnel lens solar system with sliding adjustment. <i>Energy Reports</i> , 2021, 7, 3348-3361.	2.5	7
40	A critical review on measures to suppress flow boiling instabilities in microchannels. <i>Heat and Mass Transfer</i> , 2021, 57, 889-910.	1.2	31
41	Robust and universal predictive models for frictional pressure drop during two-phase flow in smooth helically coiled tube heat exchangers. <i>Scientific Reports</i> , 2021, 11, 20068.	1.6	12
42	Machine learning based models to predict frost characteristics on cryogenic surfaces under forced convection conditions. <i>International Communications in Heat and Mass Transfer</i> , 2021, 129, 105667.	2.9	21
43	A modeling study of different kinds of sessile droplets on the horizontal surface with surface wettability and gravity effects considered. <i>Energy Storage and Saving</i> , 2021, 1, 22-22.	3.0	3
44	Identification of simplified energy performance models of variable-speed air conditioners using likelihood ratio test method. <i>Science and Technology for the Built Environment</i> , 2020, 26, 75-88.	0.8	6
45	Sustainable and clean oilfield development: Optimal operation of wastewater treatment and recycling system. <i>Journal of Cleaner Production</i> , 2020, 252, 119819.	4.6	9
46	Surface free energy analysis for stable supercooling of sodium thiosulfate pentahydrate with microcosmic-visualized methods. <i>Solar Energy Materials and Solar Cells</i> , 2020, 208, 110390.	3.0	13
47	Experimental investigation on thermal characteristics of transcritical CO ₂ heat pump unit combined with thermal energy storage for residential heating. <i>Applied Thermal Engineering</i> , 2020, 165, 114505.	3.0	37
48	Experimental investigation on the heat transfer characteristics of novel rectangle radial microchannel heat exchangers in two-phase flow cooling system for data centers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 199-211.	2.0	17
49	Heat transfer characteristics of micron ultrathin shear-driven water film flowing on a horizontal metal surface. <i>International Journal of Heat and Mass Transfer</i> , 2020, 148, 119065.	2.5	2
50	Numerical investigation on the performance and anti-freezing design verification of atomization equipment in an icing cloud simulation system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 131-143.	2.0	5
51	Vapor-liquid equilibria of HFC161a+HFC32a+DMF ternary mixture for low-grade heat driven absorption refrigeration system. <i>AIChE Journal</i> , 2020, 66, e16876.	1.8	1
52	An experimental study on the frosting characteristic and performance of a micro-channel evaporator in an air source heat pump unit. <i>Energy and Buildings</i> , 2020, 224, 110254.	3.1	22
53	Model predictive control applied toward the building indoor climate. , 2020, , 457-492.		2
54	Unsteady heat transfer properties of spray falling over a horizontal tube in an oily sewage source heat pump. <i>Applied Thermal Engineering</i> , 2020, 179, 115675.	3.0	19

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55	An advanced thermal control technique for aircraft anti-icing/de-icing based on loop heat pipes. , 2020, , 337-366.		0
56	Instability control of two-phase flow in microchannel heat exchangers. , 2020, , 387-410.		4
57	Experimental study on the water film thickness under spray impingement based on planar LIF. International Journal of Multiphase Flow, 2020, 130, 103329.	1.6	10
58	Thermal performance of a thin flat heat pipe with grooved porous structure. Applied Thermal Engineering, 2020, 173, 115215.	3.0	37
59	Energy savings with heat transfer enhancement techniques and heat exchangers. Journal of Thermal Analysis and Calorimetry, 2020, 141, 1-4.	2.0	8
60	Condensate drainage on slit or louvered fins in microchannel heat exchangers for anti-frosting. Energy and Buildings, 2020, 223, 110215.	3.1	7
61	Effect of the nozzle arrangement of atomization equipment in icing cloud simulation system on the velocity field of water droplets and liquid water content distribution. Applied Thermal Engineering, 2020, 172, 115196.	3.0	4
62	Palladium-catalyzed direct asymmetric C-H bond functionalization enabled by the directing group strategy. Chemical Science, 2020, 11, 12616-12632.	3.7	71
63	General correlation for frost thermal conductivity on parallel surface channels. Energy and Buildings, 2020, 225, 110282.	3.1	13
64	Design and optimal siting of regional heat-gas-renewable energy system based on building clusters. Energy Conversion and Management, 2020, 217, 112963.	4.4	9
65	Coupled thermo-mechanical analysis of stresses generated in impact ice during in-flight de-icing. Applied Thermal Engineering, 2020, 181, 115681.	3.0	15
66	A modeling study on the reverse cycle defrosting of an air source heat pump with the melted frost downwards flowing away and local drainage. Energy and Buildings, 2020, 226, 110257.	3.1	29
67	Building performance modeling and simulation. Science and Technology for the Built Environment, 2020, 26, 1-2.	0.8	2
68	An experimental energy performance investigation and economic analysis on a cascade heat pump for high-temperature water in cold region. Renewable Energy, 2020, 152, 674-683.	4.3	46
69	Recent Advances in the Application of Selectfluor as a "Fluorine-free" Functional Reagent in Organic Synthesis. Chemistry - an Asian Journal, 2020, 15, 729-741.	1.7	45
70	Statistical investigations of transfer learning-based methodology for short-term building energy predictions. Applied Energy, 2020, 262, 114499.	5.1	130
71	Experimental study on the melted frost influence on the metal energy storage during an air source heat pump defrosting. Energy and Buildings, 2020, 214, 109809.	3.1	19
72	A numerical study on non-uniform characteristics of spray falling heat transfer over horizontal tubes in an oily sewage source heat pump. International Journal of Heat and Mass Transfer, 2020, 154, 119679.	2.5	12

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73	Review of experimental data associated with the solidification characteristics of water droplets on a cold plate surface at the early frosting stage. <i>Energy and Buildings</i> , 2020, 223, 110103.	3.1	55
74	The optimization of simulated icing environment by adjusting the arrangement of nozzles in an atomization equipment for the anti-icing and deicing of aircrafts. <i>International Journal of Heat and Mass Transfer</i> , 2020, 155, 119720.	2.5	20
75	Privacy-Preserving Approach PBCN in Social Network With Differential Privacy. <i>IEEE Transactions on Network and Service Management</i> , 2020, 17, 931-945.	3.2	43
76	Energetic, economic and environmental analysis of air source transcritical CO2 heat pump system for residential heating in China. <i>Applied Thermal Engineering</i> , 2019, 148, 1425-1439.	3.0	98
77	A proactive-adaptive monthly peak demand-limiting strategy for buildings with small-scale thermal storages considering load uncertainty. <i>Science and Technology for the Built Environment</i> , 2019, 25, 1456-1466.	0.8	0
78	Investigation on wavy characteristics of shear-driven water film using the planar laser induced fluorescence method. <i>International Journal of Multiphase Flow</i> , 2019, 118, 242-253.	1.6	26
79	Numerical investigation on impingement dynamics and freezing performance of micrometer-sized water droplet on dry flat surface in supercooled environment. <i>International Journal of Multiphase Flow</i> , 2019, 118, 150-164.	1.6	51
80	Numerical study on heat transfer of oily wastewater spray falling film over a horizontal tube in a sewage source heat pump. <i>International Journal of Heat and Mass Transfer</i> , 2019, 142, 118423.	2.5	22
81	Study on performance evaluation of CO2 heat pump system integrated with thermal energy storage for space heating. <i>Energy Procedia</i> , 2019, 158, 1380-1387.	1.8	5
82	Discovering Complex Knowledge in Massive Building Operational Data Using Graph Mining for Building Energy Management. <i>Energy Procedia</i> , 2019, 158, 2481-2487.	1.8	8
83	Development of a superheat controller for mitigating hunting in a direct expansion air conditioning system. <i>Energy Procedia</i> , 2019, 158, 2085-2091.	1.8	4
84	Analysis of climate zones' effects on energy consumption of a bedroom TAC system. <i>Energy Procedia</i> , 2019, 158, 2934-2941.	1.8	0
85	Experimental study on frost unevenly distributed and melted frost downwards flowing during defrosting for ASHPs. <i>Energy Procedia</i> , 2019, 158, 2826-2833.	1.8	2
86	Previous related work: A review. , 2019, , 11-45.		0
87	Uneven defrosting on the outdoor coil in an ASHP. , 2019, , 47-69.		0
88	Modeling study on uneven defrosting. , 2019, , 71-113.		0
89	Investigation of effect on uneven defrosting performance. , 2019, , 115-151.		0
90	Frosting evenness coefficient. , 2019, , 153-192.		0

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91	The influence of refrigerant distribution on defrosting. , 2019, , 193-221.		0
92	Energy transfer during defrosting. , 2019, , 223-256.		0
93	Defrosting control strategy. , 2019, , 257-301.		0
94	Technoeconomic performances. , 2019, , 303-341.		0
95	A graph mining-based methodology for discovering and visualizing high-level knowledge for building energy management. Applied Energy, 2019, 251, 113395.	5.1	24
96	An experimental study on the heat transfer performance of a loop heat pipe system with ethanol-water mixture as working fluid for aircraft anti-icing. International Journal of Heat and Mass Transfer, 2019, 139, 280-292.	2.5	57
97	A solar-heat-driven ejector-assisted combined compression cooling system for multistory building “ Application potential and effects of floor numbers. Energy Conversion and Management, 2019, 195, 86-98.	4.4	27
98	Evaluation of transcritical CO2 heat pump system integrated with mechanical subcooling by utilizing energy, exergy and economic methodologies for residential heating. Energy Conversion and Management, 2019, 192, 202-220.	4.4	85
99	PMV-based dynamic optimization of energy consumption for a residential task/ambient air conditioning system in different climate zones. Renewable Energy, 2019, 142, 41-54.	4.3	37
100	Experimental and theoretical study on an air-source heat pump water heater for northern China in cold winter: Effects of environment temperature and switch of operating modes. Energy and Buildings, 2019, 191, 164-173.	3.1	53
101	Challenges in, and the development of, building energy saving techniques, illustrated with the example of an air source heat pump. Thermal Science and Engineering Progress, 2019, 10, 337-356.	1.3	54
102	Environmental and economical analyses of transcritical CO2 heat pump combined with direct dedicated mechanical subcooling (DMS) for space heating in China. Energy Conversion and Management, 2019, 198, 111317.	4.4	133
103	Heating and energy storage characteristics of multi-split air source heat pump based on energy storage defrosting. Applied Energy, 2019, 238, 303-310.	5.1	27
104	Defrosting start control strategy optimization for an air source heat pump unit with the frost accumulation and melted frost downwards flowing considered. Sustainable Cities and Society, 2019, 46, 101461.	5.1	31
105	Deep learning-based feature engineering methods for improved building energy prediction. Applied Energy, 2019, 240, 35-45.	5.1	180
106	The decarboxylative C-H heteroarylation of azoles catalysed by nickel catalysts to access unsymmetrical biheteroaryls. Organic Chemistry Frontiers, 2019, 6, 3996-3999.	2.3	19
107	A modeling study on the heat storage and release characteristics of a phase change material based double-spiral coiled heat exchanger in an air source heat pump for defrosting. Applied Energy, 2019, 236, 877-892.	5.1	45
108	A novel methodology to explain and evaluate data-driven building energy performance models based on interpretable machine learning. Applied Energy, 2019, 235, 1551-1560.	5.1	103

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109	Effects of receiver parameters on the optical performance of a fixed-focus Fresnel lens solar concentrator/cavity receiver system in solar cooker. <i>Applied Energy</i> , 2019, 237, 70-82.	5.1	40
110	Marangoni effect on microbubbles emission boiling generation during pool boiling of self-rewetting fluid. <i>International Journal of Heat and Mass Transfer</i> , 2019, 134, 10-16.	2.5	16
111	Techno-economic analysis on frosting/defrosting operations for an air source heat pump unit with an optimized multi-circuit outdoor coil. <i>Energy and Buildings</i> , 2018, 166, 165-177.	3.1	21
112	Energetic performance of transcritical CO ₂ refrigeration cycles with mechanical subcooling using zeotropic mixture as refrigerant. <i>Energy</i> , 2018, 150, 205-221.	4.5	77
113	Research and Applications of Data Mining Techniques for Improving Building Operational Performance. <i>Current Sustainable/Renewable Energy Reports</i> , 2018, 5, 181-188.	1.2	9
114	An autonomous hierarchical control for improving indoor comfort and energy efficiency of a direct expansion air conditioning system. <i>Applied Energy</i> , 2018, 221, 450-463.	5.1	29
115	Analysis on the effects of China's fiscal and taxation policy on exporting products of photovoltaic and high-end equipment manufacturing industries. <i>Journal of Renewable and Sustainable Energy</i> , 2018, 10, 015906.	0.8	2
116	Review on the measurement and calculation of frost characteristics. <i>International Journal of Heat and Mass Transfer</i> , 2018, 124, 586-614.	2.5	120
117	A simplified numerical study on the energy performance and thermal environment of a bedroom TAC system. <i>Energy and Buildings</i> , 2018, 166, 305-316.	3.1	15
118	Energy transfer procession in an air source heat pump unit during defrosting with melted frost locally drainage in its multi-circuit outdoor coil. <i>Energy and Buildings</i> , 2018, 164, 109-120.	3.1	24
119	Refrigerant evaluation and performance comparison for a novel hybrid solar-assisted ejection-compression refrigeration cycle. <i>Solar Energy</i> , 2018, 160, 344-352.	2.9	24
120	Techno-economic analysis on frosting and defrosting operations of an air source heat pump unit applied in a typical cold city. <i>Energy and Buildings</i> , 2018, 162, 65-76.	3.1	14
121	Analytical investigation of autoencoder-based methods for unsupervised anomaly detection in building energy data. <i>Applied Energy</i> , 2018, 211, 1123-1135.	5.1	183
122	Review on improvement for air source heat pump units during frosting and defrosting. <i>Applied Energy</i> , 2018, 211, 1150-1170.	5.1	245
123	Thermal Stability Experimental Study on Three Types of Organic Binary Phase Change Materials Applied in Thermal Energy Storage System. <i>Journal of Thermal Science and Engineering Applications</i> , 2018, 10, .	0.8	14
124	Mining big building operational data for improving building energy efficiency: A case study. <i>Building Services Engineering Research and Technology</i> , 2018, 39, 117-128.	0.9	24
125	Review on building energy performance improvement using phase change materials. <i>Energy and Buildings</i> , 2018, 158, 776-793.	3.1	290
126	Lattice Boltzmann Simulation of Falling Film Flow under Low Reynolds Number. <i>Heat Transfer Engineering</i> , 2018, 39, 1528-1539.	1.2	3

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127	Performance evaluation and energy-saving potential comparison of a heat-powered novel compression-enhanced ejector refrigeration cycle with an economizer. <i>Applied Thermal Engineering</i> , 2018, 130, 1568-1579.	3.0	17
128	Comparative studies on using RSM and TOPSIS methods to optimize residential air conditioning systems. <i>Energy</i> , 2018, 144, 98-109.	4.5	46
129	Experimental investigation on drying performance of an existed enclosed fixed frequency air source heat pump drying system. <i>Applied Thermal Engineering</i> , 2018, 130, 735-744.	3.0	47
130	Unsupervised data analytics in mining big building operational data for energy efficiency enhancement: A review. <i>Energy and Buildings</i> , 2018, 159, 296-308.	3.1	146
131	Impacts on the solidification of water on plate surface for cold energy storage using ice slurry. <i>Applied Energy</i> , 2018, 227, 284-293.	5.1	37
132	Reduction of energy consumption for a TAC system applied to sleeping environments with varying envelope thermal load. <i>Energy Procedia</i> , 2018, 152, 360-365.	1.8	0
133	Experimental study on defrosting start control strategy for ASHPs. <i>Energy Procedia</i> , 2018, 152, 438-443.	1.8	2
134	Experimental investigation and seasonal performance assessment of a frost-free ASHP system with radiant floor heating. <i>Energy and Buildings</i> , 2018, 179, 200-212.	3.1	32
135	A novel heat exchanger network retrofit approach based on performance reassessment. <i>Energy Conversion and Management</i> , 2018, 177, 477-492.	4.4	21
136	An experimental study on time-based start defrosting control strategy optimization for an air source heat pump unit with frost evenly distributed and melted frost locally drained. <i>Energy and Buildings</i> , 2018, 178, 26-37.	3.1	35
137	Exergetic and economic analyses of a novel modified solar-heat-powered ejection-compression refrigeration cycle comparing with conventional cycle. <i>Energy Conversion and Management</i> , 2018, 168, 107-118.	4.4	27
138	Simulation and Experimental Study on the Optical Performance of a Fixed-Focus Fresnel Lens Solar Concentrator Using Polar-Axis Tracking. <i>Energies</i> , 2018, 11, 887.	1.6	19
139	Energy performance of a bedroom task/ambient air conditioning (TAC) system applied in different climate zones of China. <i>Energy</i> , 2018, 159, 724-736.	4.5	17
140	Discovering gradual patterns in building operations for improving building energy efficiency. <i>Applied Energy</i> , 2018, 224, 116-123.	5.1	43
141	Marangoni effect on pool boiling heat transfer enhancement of self-rewetting fluid. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 1263-1270.	2.5	26
142	Experimental performance analysis and evaluation of a novel frost-free air source heat pump system. <i>Energy and Buildings</i> , 2018, 175, 69-77.	3.1	35
143	Mathematical modelling and optimization of the liquid separation condenser used in organic Rankine cycle. <i>Applied Energy</i> , 2017, 185, 1309-1323.	5.1	42
144	Humidity control for the built environment. <i>Science and Technology for the Built Environment</i> , 2017, 23, 1-1.	0.8	2

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145	A numerical study on influences of building envelope heat gain on operating performances of a bed-based task/ambient air conditioning (TAC) system in energy saving and thermal comfort. Applied Energy, 2017, 192, 213-221.	5.1	56
146	Computational fluid dynamics analysis of convective heat transfer coefficients for a sleeping human body. Applied Thermal Engineering, 2017, 117, 385-396.	3.0	47
147	Proposal and thermodynamic analysis of an ejection-compression refrigeration cycle driven by low-grade heat. Energy Conversion and Management, 2017, 145, 343-352.	4.4	15
148	Mining Big Building Operational Data for Building Cooling Load Prediction and Energy Efficiency Improvement. , 2017, , .		4
149	Operating optimization for improved energy consumption of a TAC system affected by nighttime thermal loads of building envelopes. Energy, 2017, 133, 491-501.	4.5	29
150	Experimental investigation on an air source heat pump unit with a three-circuit outdoor coil for its reverse cycle defrosting termination temperature. Applied Energy, 2017, 204, 1388-1398.	5.1	60
151	District cooling systems and individual cooling systems: Comparative analysis and impacts of key factors. Science and Technology for the Built Environment, 2017, 23, 241-250.	0.8	7
152	A short-term building cooling load prediction method using deep learning algorithms. Applied Energy, 2017, 195, 222-233.	5.1	481
153	Experimental investigation on reverse cycle defrosting performance improvement for an ASHP unit by evenly adjusting the refrigerant distribution in its outdoor coil. Applied Thermal Engineering, 2017, 114, 611-620.	3.0	46
154	The optimal charge of carbon dioxide in water-water heat pump systems with and without an internal heat exchanger. HKIE Transactions, 2017, 24, 99-106.	1.9	12
155	Termination Control Temperature Study for an Air Source Heat Pump Unit During Its Reverse Cycle Defrosting. Energy Procedia, 2017, 105, 335-342.	1.8	16
156	Evaluating Effects of Building Envelope Thermal Loads on Energy use and Thermal Comfort for a Bedroom TAC System. Energy Procedia, 2017, 105, 2607-2614.	1.8	4
157	Experimental investigation of maldistribution in vertical plate falling film tower. Chemical Engineering Communications, 2017, 204, 1237-1245.	1.5	7
158	Improving the frosting and defrosting performance of air source heat pump units: review and outlook. HKIE Transactions, 2017, 24, 88-98.	1.9	33
159	Energy transfer procession in an air source heat pump unit during defrosting. Applied Energy, 2017, 204, 679-689.	5.1	67
160	Numerical investigations on the effects of envelope thermal loads on energy utilization potential and thermal non-uniformity in sleeping environments. Building and Environment, 2017, 124, 232-244.	3.0	14
161	Field test and numerical investigation on the heat transfer characteristics and optimal design of the heat exchangers of a deep borehole ground source heat pump system. Energy Conversion and Management, 2017, 153, 603-615.	4.4	169
162	Comparative study on two low-grade heat driven absorption-compression refrigeration cycles based on energy, exergy, economic and environmental (4E) analyses. Energy Conversion and Management, 2017, 133, 535-547.	4.4	90

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163	Numerical study on the operating performances of a novel frost-free air-source heat pump unit using three different types of refrigerant. Applied Thermal Engineering, 2017, 112, 248-258.	3.0	49
164	Experimental study of dynamic characteristics of liquid desiccant dehumidification processes. Science and Technology for the Built Environment, 2017, 23, 91-104.	0.8	3
165	Dynamic character investigation and optimization of a novel air-source heat pump system. Applied Thermal Engineering, 2017, 111, 122-133.	3.0	56
166	Source separation of municipal solid waste: The effects of different separation methods and citizens' inclination" case study of Changsha, China. Journal of the Air and Waste Management Association, 2017, 67, 182-195.	0.9	31
167	Investigations on thermal environment in residential buildings with PCM embedded in external wall. Energy Procedia, 2017, 142, 1888-1895.	1.8	18
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