

Xianting Li

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

187 papers	3,795 citations	32 h-index	50 g-index
197 ext. papers	4,584 ext. citations	5.7 avg, IF	6.01 L-index

#	Paper	IF	Citations
187	Comparison of indoor aerosol particle concentration and deposition in different ventilated rooms by numerical method. <i>Building and Environment</i> , 2004 , 39, 1-8	6.5	261
186	Absorption heating technologies: A review and perspective. <i>Applied Energy</i> , 2014 , 130, 51-71	10.7	132
185	Numerical study of the transport of droplets or particles generated by respiratory system indoors. <i>Building and Environment</i> , 2005 , 40, 1032-1039	6.5	114
184	An overview of ammonia-based absorption chillers and heat pumps. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 31, 681-707	16.2	105
183	An overview of the problems and solutions of soil thermal imbalance of ground-coupled heat pumps in cold regions. <i>Applied Energy</i> , 2016 , 177, 515-536	10.7	91
182	Performance representation of variable-speed compressor for inverter air conditioners based on experimental data. <i>International Journal of Refrigeration</i> , 2004 , 27, 805-815	3.8	82
181	A potential solution for thermal imbalance of ground source heat pump systems in cold regions: Ground source absorption heat pump. <i>Renewable Energy</i> , 2013 , 59, 39-48	8.1	81
180	A simplified system for indoor airflow simulation. <i>Building and Environment</i> , 2003 , 38, 543-552	6.5	76
179	Comparisons of different working pairs and cycles on the performance of absorption heat pump for heating and domestic hot water in cold regions. <i>Applied Thermal Engineering</i> , 2012 , 48, 349-358	5.8	64
178	A new solution for underground thermal imbalance of ground-coupled heat pump systems in cold regions: Heat compensation unit with thermosyphon. <i>Applied Thermal Engineering</i> , 2014 , 64, 283-292	5.8	60
177	Development of an integrated air conditioner with thermosyphon and the application in mobile phone base station. <i>International Journal of Refrigeration</i> , 2013 , 36, 58-69	3.8	60
176	Simulation of a combined heating, cooling and domestic hot water system based on ground source absorption heat pump. <i>Applied Energy</i> , 2014 , 126, 113-122	10.7	59
175	Experimental investigation on two-phase thermosyphon loop with partially liquid-filled downcomer. <i>Applied Energy</i> , 2015 , 160, 10-17	10.7	57
174	Energy saving potential of low temperature hot water system based on air source absorption heat pump. <i>Applied Thermal Engineering</i> , 2012 , 48, 317-324	5.8	57
173	Experimental investigation on charging and discharging performance of absorption thermal energy storage system. <i>Energy Conversion and Management</i> , 2014 , 85, 425-434	10.6	52
172	Evaluation of ground source absorption heat pumps combined with borehole free cooling. <i>Energy Conversion and Management</i> , 2014 , 79, 334-343	10.6	48
171	Total air age: an extension of the air age concept. <i>Building and Environment</i> , 2003 , 38, 1263-1269	6.5	44

170	A new ground-coupled heat pump system integrated with a multi-mode air-source heat compensator to eliminate thermal imbalance in cold regions. <i>Energy and Buildings</i> , 2015 , 107, 103-112	7	42
169	Solar heat gain reduction of double glazing window with cooling pipes embedded in venetian blinds by utilizing natural cooling. <i>Energy and Buildings</i> , 2016 , 112, 173-183	7	42
168	Soil thermal imbalance of ground source heat pump systems with spiral-coil energy pile groups under seepage conditions and various influential factors. <i>Energy Conversion and Management</i> , 2018 , 178, 123-136	10.6	42
167	Combining ground source absorption heat pump with ground source electrical heat pump for thermal balance, higher efficiency and better economy in cold regions. <i>Renewable Energy</i> , 2015 , 84, 74-88	8.1	41
166	Modeling and performance analysis of a two-phase thermosyphon loop with partially/fully liquid-filled downcomer. <i>International Journal of Refrigeration</i> , 2015 , 58, 172-185	3.8	40
165	Numerical Study of Particle Deposition in Two Differently Ventilated Rooms. <i>Indoor and Built Environment</i> , 2004 , 13, 443-451	1.8	40
164	Performance analysis of hybrid ground-coupled heat pump system with multi-functions. <i>Energy Conversion and Management</i> , 2015 , 92, 47-59	10.6	39
163	A total heat recovery system between the flue gas and oxidizing air of a gas-fired boiler using a non-contact total heat exchanger. <i>Applied Energy</i> , 2017 , 207, 613-623	10.7	37
162	Experimental investigation on NH ₃ -H ₂ O compression-assisted absorption heat pump (CAHP) for low temperature heating under lower driving sources. <i>Applied Energy</i> , 2016 , 176, 258-271	10.7	37
161	Simulation model for complex refrigeration systems based on two-phase fluid network [Part I: Model development. <i>International Journal of Refrigeration</i> , 2008 , 31, 490-499	3.8	35
160	A new heating system based on coupled air source absorption heat pump for cold regions: Energy saving analysis. <i>Energy Conversion and Management</i> , 2013 , 76, 811-817	10.6	34
159	Dynamic thermal performance of pipe-embedded building envelope utilizing evaporative cooling water in the cooling season. <i>Applied Thermal Engineering</i> , 2016 , 106, 1103-1113	5.8	33
158	Accessibility: A New Concept to Evaluate Ventilation Performance in a Finite Period of Time. <i>Indoor and Built Environment</i> , 2004 , 13, 287-293	1.8	33
157	Comparisons of different ionic liquids combined with trans-1,3,3,3-tetrafluoropropene (R1234ze(E)) as absorption working fluids. <i>International Journal of Refrigeration</i> , 2018 , 88, 45-57	3.8	32
156	Prediction of transient contaminant dispersion and ventilation performance using the concept of accessibility. <i>Energy and Buildings</i> , 2004 , 36, 293-299	7	32
155	Energy saving potential of pipe-embedded building envelope utilizing low-temperature hot water in the heating season. <i>Energy and Buildings</i> , 2017 , 138, 318-331	7	31
154	Heat recovery from Internet data centers for space heating based on an integrated air conditioner with thermosyphon. <i>Renewable Energy</i> , 2015 , 80, 396-406	8.1	31
153	Energy consumption model of integrated air conditioner with thermosyphon in mobile phone base station. <i>International Journal of Refrigeration</i> , 2014 , 40, 1-10	3.8	31

152	Multi-mode ventilation: An efficient ventilation strategy for changeable scenarios and energy saving. <i>Building and Environment</i> , 2017 , 115, 332-344	6.5	30
151	Thermodynamic Investigation and Comparison of Absorption Cycles Using Hydrofluoroolefins and Ionic Liquid. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 9906-9916	3.9	30
150	A mathematical model of variable displacement swash plate compressor for automotive air conditioning system. <i>International Journal of Refrigeration</i> , 2006 , 29, 270-280	3.8	30
149	Thermal performance of double skin façade with built-in pipes utilizing evaporative cooling water in cooling season. <i>Solar Energy</i> , 2016 , 137, 55-65	6.8	30
148	A novel internally hybrid absorption-compression heat pump for performance improvement. <i>Energy Conversion and Management</i> , 2018 , 168, 237-251	10.6	29
147	Numerical analysis of outdoor thermal environment around buildings. <i>Building and Environment</i> , 2005 , 40, 853-866	6.5	29
146	Application of smart models for prediction of the frost layer thickness on vertical cryogenic surfaces under natural convection. <i>Applied Thermal Engineering</i> , 2017 , 115, 1128-1136	5.8	28
145	Hybrid ground source absorption heat pump in cold regions: Thermal balance keeping and borehole number reduction. <i>Applied Thermal Engineering</i> , 2015 , 90, 322-334	5.8	27
144	Annual performance investigation and economic analysis of heating systems with a compression-assisted air source absorption heat pump. <i>Energy Conversion and Management</i> , 2015 , 98, 290-302	10.6	27
143	An analytical expression for transient distribution of passive contaminant under steady flow field. <i>Building and Environment</i> , 2012 , 52, 98-106	6.5	27
142	Performance comparison of absorption heating cycles using various low-GWP and natural refrigerants. <i>International Journal of Refrigeration</i> , 2017 , 82, 56-70	3.8	26
141	Robust predictive models for estimating frost deposition on horizontal and parallel surfaces. <i>International Journal of Refrigeration</i> , 2017 , 80, 225-237	3.8	25
140	Experimental investigation on NH ₃ -H ₂ O compression-assisted absorption heat pump (CAHP) for low temperature heating in colder conditions. <i>International Journal of Refrigeration</i> , 2016 , 67, 109-124	3.8	25
139	Compression-assisted absorption cycles using ammonia and various ionic liquids for cleaner heating. <i>Journal of Cleaner Production</i> , 2018 , 195, 890-907	10.3	25
138	Utilization of ANN and ANFIS models to predict variable speed scroll compressor with vapor injection. <i>International Journal of Refrigeration</i> , 2017 , 74, 475-487	3.8	24
137	A solar-air hybrid source heat pump for space heating and domestic hot water. <i>Solar Energy</i> , 2020 , 199, 347-359	6.8	24
136	Rapid identification of multiple constantly-released contaminant sources in indoor environments with unknown release time. <i>Building and Environment</i> , 2014 , 81, 7-19	6.5	24
135	Techno-economic analysis of air source absorption heat pump: Improving economy from a design perspective. <i>Energy and Buildings</i> , 2014 , 81, 200-210	7	24

134	A new inverter heat pump operated all year round with domestic hot water. <i>Energy Conversion and Management</i> , 2004 , 45, 2255-2268	10.6	24
133	Fast Identification of Multiple Indoor Constant Contaminant Sources by Ideal Sensors: A Theoretical Model and Numerical Validation. <i>Indoor and Built Environment</i> , 2013 , 22, 897-909	1.8	23
132	Numerical study on energy efficiency and economy of a pipe-embedded glass envelope directly utilizing ground-source water for heating in diverse climates. <i>Energy Conversion and Management</i> , 2017 , 150, 878-889	10.6	22
131	Performance analysis of an absorption-compression hybrid refrigeration system recovering condensation heat for generation. <i>Applied Thermal Engineering</i> , 2016 , 108, 54-65	5.8	22
130	Performance of three air distribution systems in VOC removal from an area source. <i>Building and Environment</i> , 2004 , 39, 1289-1299	6.5	22
129	Fast prediction of non-uniform temperature distribution: A concise expression and reliability analysis. <i>Energy and Buildings</i> , 2017 , 141, 295-307	7	21
128	Air source absorption heat pump in district heating: Applicability analysis and improvement options. <i>Energy Conversion and Management</i> , 2015 , 96, 197-207	10.6	21
127	Numerical simulation on performance band of automotive air conditioning system with a variable displacement compressor. <i>Energy Conversion and Management</i> , 2005 , 46, 2718-2738	10.6	21
126	Energy saving potential of fresh air pre-handling system using shallow geothermal energy. <i>Energy and Buildings</i> , 2019 , 185, 39-48	7	21
125	Coupled heating of ground-coupled heat pump system with heat compensation unit: Performance improvement and borehole reduction. <i>Energy Conversion and Management</i> , 2017 , 148, 57-67	10.6	20
124	Experimental research on heat and mass transfer characteristics of cross-flow closed-type heat-source tower. <i>Applied Thermal Engineering</i> , 2018 , 135, 289-303	5.8	20
123	Robust model to predict the migration ratios of nanoparticles during the pool-boiling process of nanorefrigerants. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 84, 75-85	5.8	19
122	NH ₃ -H ₂ O water source absorption heat pump (WSAHP) for low temperature heating: Experimental investigation on the off-design performance. <i>Energy</i> , 2016 , 115, 697-710	7.9	19
121	A comparative study and prediction of the liquid desiccant dehumidifiers using intelligent models. <i>Renewable Energy</i> , 2017 , 114, 1023-1035	8.1	19
120	Simulation model for complex refrigeration systems based on two-phase fluid network [Part II: Model application. <i>International Journal of Refrigeration</i> , 2008 , 31, 500-509	3.8	19
119	Crystallization Analysis and Control of Ammonia-Based Air Source Absorption Heat Pump in Cold Regions. <i>Advances in Mechanical Engineering</i> , 2013 , 5, 140341	1.2	19
118	Configurations of solar air source absorption heat pump and comparisons with conventional solar heating. <i>Applied Thermal Engineering</i> , 2018 , 141, 630-641	5.8	19
117	A mathematical model of variable displacement wobble plate compressor for automotive air conditioning system. <i>Applied Thermal Engineering</i> , 2004 , 24, 2467-2486	5.8	18

116	Source localization in dynamic indoor environments with natural ventilation: An experimental study of a particle swarm optimization-based multi-robot olfaction method. <i>Building and Environment</i> , 2019 , 161, 106228	6.5	17
115	A performance evaluation index for two-phase thermosyphon loop used in HVAC systems. <i>Applied Thermal Engineering</i> , 2018 , 131, 825-836	5.8	17
114	Cooling load for the design of air terminals in a general non-uniform indoor environment oriented to local requirements. <i>Energy and Buildings</i> , 2018 , 174, 603-618	7	17
113	Instability of automotive air conditioning system with a variable displacement compressor. Part 2. Numerical simulation. <i>International Journal of Refrigeration</i> , 2005 , 28, 1111-1123	3.8	17
112	Implementation of demand-oriented ventilation with adjustable fan network. <i>Indoor and Built Environment</i> , 2020 , 29, 621-635	1.8	16
111	Utilizing shallow geothermal energy to develop an energy efficient HVAC system. <i>Renewable Energy</i> , 2020 , 147, 672-682	8.1	16
110	Potential of an air curtain system orientated to create non-uniform indoor thermal environment and save energy. <i>Indoor and Built Environment</i> , 2017 , 26, 152-165	1.8	15
109	Energy-saving analysis of a hybrid power-driven heat pump system. <i>Applied Thermal Engineering</i> , 2017 , 123, 1050-1059	5.8	15
108	Energy saving potential of heat removal using natural cooling water in the top zone of buildings with large interior spaces. <i>Building and Environment</i> , 2017 , 124, 323-335	6.5	15
107	Evolution of contaminant distribution at steady airflow field with an arbitrary initial condition in ventilated space. <i>Atmospheric Environment</i> , 2008 , 42, 6775-6784	5.3	15
106	Revised air-exchange efficiency considering occupant distribution in ventilated rooms. <i>Journal of the Air and Waste Management Association</i> , 2003 , 53, 759-63	2.4	15
105	A colour-sequence enhanced particle streak velocimetry method for air flow measurement in a ventilated space. <i>Building and Environment</i> , 2017 , 112, 77-87	6.5	14
104	Measurement of airflow pattern induced by ceiling fan with quad-view colour sequence particle streak velocimetry. <i>Building and Environment</i> , 2019 , 152, 122-134	6.5	14
103	Evaluating the potential of airflow patterns to maintain a non-uniform indoor environment. <i>Renewable Energy</i> , 2015 , 73, 99-108	8.1	14
102	Determining ventilation strategy to defend indoor environment against contamination by integrated accessibility of contaminant source (IACS). <i>Building and Environment</i> , 2004 , 39, 1035-1042	6.5	14
101	COVID-19 transmission in the first presidential debate in 2020. <i>Physics of Fluids</i> , 2020 , 32, 115125	4.4	14
100	Simulation of recombined household multi-split variable refrigerant flow system with split-type air conditioners. <i>Applied Thermal Engineering</i> , 2017 , 117, 343-354	5.8	13
99	Performance investigation of the cross-flow closed-type heat-source tower using experiments and an adaptive neuro-fuzzy inference system model. <i>Energy and Buildings</i> , 2019 , 183, 340-355	7	13

98	Evaluating emergency ventilation strategies under different contaminant source locations and evacuation modes by efficiency factor of contaminant source (EFCS). <i>Building and Environment</i> , 2010 , 45, 485-497	6.5	12
97	Instability of automotive air conditioning system with a variable displacement compressor. Part 1. Experimental investigation. <i>International Journal of Refrigeration</i> , 2005 , 28, 1102-1110	3.8	12
96	A robust predictive technique for the pressure drop during condensation in inclined smooth tubes. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 86, 166-173	5.8	11
95	Performance comparisons of NH ₃ /ionic liquid absorption-compression heat pump for increasing the utilization of geothermal energy. <i>International Journal of Refrigeration</i> , 2019 , 104, 19-33	3.8	11
94	Numerical analysis on the performance of mechanical vapor recompression system for strong sodium chloride solution enrichment. <i>Applied Thermal Engineering</i> , 2018 , 137, 386-394	5.8	11
93	An algorithm to predict the transient moisture distribution for wall condensation under a steady flow field. <i>Building and Environment</i> , 2013 , 67, 56-68	6.5	11
92	A method to describe the thermal property of pipe-embedded double-skin façade: Equivalent glass window. <i>Energy and Buildings</i> , 2019 , 195, 33-44	7	10
91	Potential of Utilizing Different Natural Cooling Sources to Reduce the Building Cooling Load and Cooling Energy Consumption: A Case Study in Urumqi. <i>Energies</i> , 2017 , 10, 366	3.1	10
90	Identification of constant contaminant sources in a test chamber with real sensors. <i>Indoor and Built Environment</i> , 2016 , 25, 997-1010	1.8	10
89	Decision analysis of emergency ventilation and evacuation strategies against suddenly released contaminant indoors by considering the uncertainty of source locations. <i>Journal of Hazardous Materials</i> , 2010 , 178, 101-14	12.8	10
88	Long-term prediction of dynamic distribution of passive contaminant in complex recirculating ventilation system. <i>Building and Environment</i> , 2017 , 121, 49-66	6.5	9
87	Numerical study on the heat recovery and cooling effect by built-in pipes in a graphitization furnace. <i>Applied Thermal Engineering</i> , 2015 , 90, 1021-1031	5.8	9
86	A general distributed parameter model for ground heat exchangers with arbitrary shape and type of heat sources. <i>Energy Conversion and Management</i> , 2018 , 164, 667-679	10.6	9
85	High-performance color sequence particle streak velocimetry for 3D airflow measurement. <i>Applied Optics</i> , 2018 , 57, 1518-1523	1.7	9
84	A quantitative relationship between heat gain and local cooling load in a general non-uniform indoor environment. <i>Energy</i> , 2019 , 182, 412-423	7.9	9
83	Dynamic Performance Analysis for an Absorption Chiller under Different Working Conditions. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 797	2.6	9
82	Experimental investigation on the characteristics of variable displacement swash plate compressor. <i>Applied Thermal Engineering</i> , 2009 , 29, 2824-2831	5.8	9
81	Numerical Analysis on the Performance of Control Valve in Variable Displacement Wobble Plate Compressor. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2005 , 127, 326-333	3	9

80	Transient behavior evaluation of an automotive air conditioning system with a variable displacement compressor. <i>Applied Thermal Engineering</i> , 2005 , 25, 1922-1948	5.8	9
79	Energy efficiency of an air conditioning system coupled with a pipe-embedded wall and mechanical ventilation. <i>Journal of Building Engineering</i> , 2018 , 15, 229-235	5.2	9
78	Experimentally comparative study on two-phase natural and pump-driven loop used in HVAC systems. <i>Applied Thermal Engineering</i> , 2018 , 142, 321-333	5.8	9
77	Performance analysis on compression-assisted absorption heat transformer: A new low-temperature heating system with higher heating capacity under lower ambient temperature. <i>Applied Thermal Engineering</i> , 2018 , 134, 419-427	5.8	8
76	Dynamic performance of self-operated three-way valve used in a hybrid air conditioner. <i>Applied Thermal Engineering</i> , 2014 , 65, 384-393	5.8	8
75	Experimental Study on Solution Regeneration Performance of Closed-type Heat-source Tower. <i>Procedia Engineering</i> , 2017 , 205, 446-452		8
74	Numerical analysis of evaporator frosting in automotive air-conditioning system with a variable-displacement compressor. <i>Applied Energy</i> , 2005 , 82, 1-22	10.7	8
73	Numerical Investigation on the Influence of Contaminant Source Location, Occupant Distribution and Air Distribution on Emergency Ventilation Strategy. <i>Indoor and Built Environment</i> , 2005 , 14, 455-467	1.8	8
72	?????????. <i>Chinese Science Bulletin</i> , 2011 , 56, 669-678	2.9	8
71	Experimental study on effects of supply-air humidification on energy and emission performance of domestic gas boilers. <i>Energy and Buildings</i> , 2020 , 209, 109726	7	8
70	Numerical analysis of the methods for reducing the energy use of air-conditioning systems in non-uniform indoor environments. <i>Building and Environment</i> , 2020 , 167, 106442	6.5	8
69	Parametric studies of silica gel and molecular sieve desiccant wheels: Experimental and modeling approaches. <i>International Communications in Heat and Mass Transfer</i> , 2018 , 91, 176-186	5.8	7
68	An algorithm for fast prediction of the transient effect of an arbitrary initial condition of contaminant. <i>Building and Environment</i> , 2015 , 85, 298-308	6.5	7
67	Optimising the supply parameters oriented to multiple individual requirements in one common space. <i>Indoor and Built Environment</i> , 2014 , 23, 828-838	1.8	7
66	Perceived Particle Intensity: An Indicator to Evaluate Indoor Particle Pollution. <i>Indoor and Built Environment</i> , 2006 , 15, 155-164	1.8	7
65	Direct relationship between the system cooling load and indoor heat gain in a non-uniform indoor environment. <i>Energy</i> , 2020 , 191, 116490	7.9	7
64	Quantitative effects of supply air and contaminant sources on steady contaminant distribution in ventilated space with air recirculation. <i>Building and Environment</i> , 2020 , 171, 106672	6.5	6
63	A numerical method to determine the steady state distribution of passive contaminant in generic ventilation systems. <i>Journal of Hazardous Materials</i> , 2011 , 192, 139-49	12.8	6

62	A theoretical model to calculate the distribution of air age in general ventilation system. <i>Building Services Engineering Research and Technology</i> , 2012 , 33, 159-180	2.3	6
61	Simulation and performance analysis of control mechanism in variable displacement swash plate compressor. <i>Applied Thermal Engineering</i> , 2007 , 27, 1868-1875	5.8	6
60	Air Supply Opening Model of Ceiling Diffusers for Numerical Simulation of Indoor Air Distribution under Actual Connected Conditions, Part II: Application of the Model. <i>Numerical Heat Transfer; Part A: Applications</i> , 2006 , 49, 821-830	2.3	6
59	An algorithm for calculating fresh air age in central ventilation system. <i>Science in China Series D: Earth Sciences</i> , 2003 , 46, 182-190		6
58	Strategy to Optimise Building Ventilation to Aid Rescue of Hostages Held by Terrorists. <i>Indoor and Built Environment</i> , 2005 , 14, 39-50	1.8	6
57	Analytical expression of indoor temperature distribution in generally ventilated room with arbitrary boundary conditions. <i>Energy and Buildings</i> , 2020 , 208, 109640	7	6
56	Improved performance of displacement ventilation by a pipe-embedded window. <i>Building and Environment</i> , 2019 , 147, 1-10	6.5	6
55	Image-based occupancy positioning system using pose-estimation model for demand-oriented ventilation. <i>Journal of Building Engineering</i> , 2021 , 39, 102220	5.2	6
54	Effect of thermal, acoustic, and lighting environment in underground space on human comfort and work efficiency: A review. <i>Science of the Total Environment</i> , 2021 , 786, 147537	10.2	6
53	Hybrid photovoltaic/thermal and ground source heat pump: Review and perspective. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 151, 111569	16.2	6
52	An Optimization Method of Sensor Layout to Improve Source Identification Accuracy in the Indoor Environment. <i>International Journal of Ventilation</i> , 2012 , 11, 155-170	1.1	5
51	Air Supply Opening Model of Ceiling Diffusers for Numerical Simulation of Indoor Air Distribution under Actual Connected Conditions, Part I: Model Development*View all notes. <i>Numerical Heat Transfer; Part A: Applications</i> , 2006 , 50, 45-61	2.3	5
50	Influence of Diffuser Jet Characteristics on Indoor Air Distribution under Actual Connecting Conditions. <i>Journal of Architectural Engineering</i> , 2003 , 9, 141-144	1.5	5
49	A direct expansion air handling unit assisted by liquid desiccant for different sensible and latent heat ratios. <i>Energy and Buildings</i> , 2021 , 238, 110672	7	5
48	A fast distributed parameter model of ground heat exchanger based on response factor. <i>Building Simulation</i> , 2017 , 10, 183-192	3.9	4
47	Airflow pattern induced by ceiling fan under different rotation speeds and blowing directions. <i>Indoor and Built Environment</i> , 2020 , 29, 1425-1440	1.8	4
46	Is it Safe to Reopen Theaters During the COVID-19 Pandemic?. <i>Frontiers in Built Environment</i> , 2021 , 7,	2.2	4
45	Rapid prediction of the transient effect of the initial contaminant condition using a limited number of sensors. <i>Indoor and Built Environment</i> , 2019 , 28, 322-334	1.8	4

44	Comparative study of two-phase natural circulation and gas-side mechanically driven loop used in air-conditioning systems. <i>Applied Thermal Engineering</i> , 2019 , 153, 848-860	5.8	3
43	Free-running temperature of room equipped with pipe-embedded double skin façade: A case study in Guangzhou. <i>Science and Technology for the Built Environment</i> , 2019 , 25, 1132-1142	1.8	3
42	A fast model for identifying multiple indoor contaminant sources by considering sensor threshold and measurement error. <i>Building Services Engineering Research and Technology</i> , 2015 , 36, 89-106	2.3	3
41	Numerical investigation of the energy efficiency of a serial pipe-embedded external wall system considering water temperature changes in the pipeline. <i>Journal of Building Engineering</i> , 2020 , 31, 101435	5.2	3
40	Simulation of the performance of a gas-fired hot water system with compression-enhanced ejector heat pump using R152a. <i>Applied Thermal Engineering</i> , 2019 , 162, 114159	5.8	3
39	Experimental investigation on NH ₃ -H ₂ O generator-absorber heat exchange (GAX) absorption heat pump. <i>Energy</i> , 2019 , 185, 337-349	7.9	3
38	A GENERALIZED ALGORITHM FOR SIMULATING CONTAMINANT DISTRIBUTION IN COMPLEX VENTILATION SYSTEMS WITH RECIRCULATION. <i>Numerical Heat Transfer; Part A: Applications</i> , 2004 , 45, 583-599	2.3	3
37	A general method to evaluate the applicability of natural energy for building cooling and heating: Revised degree hours. <i>Energy and Buildings</i> , 2021 , 250, 111277	7	3
36	Experimental investigation on the thermal performance of cooling pipes embedded in a graphitization furnace. <i>Energy</i> , 2017 , 121, 55-65	7.9	2
35	Experimental investigation and numerical simulation on the hysteresis zone of a variable displacement wobble plate compressor. <i>International Journal of Refrigeration</i> , 2005 , 28, 988-996	3.8	2
34	Infection probability under different air distribution patterns. <i>Building and Environment</i> , 2021 , 207, 108565	5.5	2
33	Principles of air and contaminant movement inside and around buildings 2020 , 245-370		2
32	Experimental study on influence of personnel activity and surgical smoke on indoor environment inside clean operating room. <i>International Journal of Ventilation</i> , 2021 , 20, 50-64	1.1	2
31	Comparison of space cooling/heating load under non-uniform indoor environment with convective heat gain/loss from envelope. <i>Building Simulation</i> , 2021 , 14, 565-578	3.9	2
30	The influence of heat source distribution on the space cooling load oriented to local thermal requirements. <i>Indoor and Built Environment</i> , 2021 , 30, 264-277	1.8	2
29	Construction method for air cooling/heating process in HVAC system based on grade match between energy and load. <i>International Journal of Refrigeration</i> , 2021 , 131, 10-10	3.8	2
28	Numerical investigation on ventilation control strategy of reducing circulating air volume in a factory for storing satellites. <i>Energy and Buildings</i> , 2021 , 252, 111444	7	2
27	Dividing air handling loads into different grades and handling air with different grade energies. <i>Indoor and Built Environment</i> , 2021 , 30, 264-277	1.8	1

26	Experimental characterization of particle distribution during the process of reducing the air supply volume in an electronic industry cleanroom. <i>Journal of Building Engineering</i> , 2021 , 103594	5.2	1
25	Application of optimization method based on discretized thermal energy in condensing heat recovery system of combined heat and power plant. <i>Energy</i> , 2020 , 213, 119013	7.9	1
24	Data-driven modeling of residential air source heat pump system for space heating. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 1863-1876	4.1	1
23	Absorption Heating Technologies 2020 ,		1
22	Theoretical expression for clean air volume in cleanrooms with non-uniform environments. <i>Building and Environment</i> , 2021 , 204, 108168	6.5	1
21	Calculation method for air resistance coefficient of vehicles in tunnel with different traffic conditions. <i>Journal of Building Engineering</i> , 2021 , 44, 102971	5.2	1
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