Xianting Li

List of Publications by Year in Descending Order

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	Influence of thermal and lighting factors on human perception and work performance in simulated underground environment.. *Science of the Total Environment*, **2022**, 154455	10.2	1
186	Visualization and Measurement of Indoor Airflow by Color Sequence Enhanced Particle Streak Velocimetry **2022**, 1-40		
185	Experimental characterization of particle distribution during the process of reducing the air supply volume in an electronic industry cleanroom. *Journal of Building Engineering*, **2021**, 103594	5.2	1
184	Infection probability under different air distribution patterns. *Building and Environment*, **2021**, 207, 108565	6.5	2
183	Is it Safe to Reopen Theaters During the COVID-19 Pandemic?. *Frontiers in Built Environment*, **2021**, 7,	2.2	4
182	Data-driven modeling of residential air source heat pump system for space heating. *Journal of Thermal Analysis and Calorimetry*, **2021**, 145, 1863-1876	4.1	1
181	Modifications to the conventional design methods for borehole heat exchangers based on a novel response factor model. *Energy and Buildings*, **2021**, 238, 110848	7	0
180	A direct expansion air handling unit assisted by liquid desiccant for different sensible and latent heat ratios. *Energy and Buildings*, **2021**, 238, 110672	7	5
179	Experimental study on influence of personnel activity and surgical smoke on indoor environment inside clean operating room. *International Journal of Ventilation*, **2021**, 20, 50-64	1.1	2
178	Comparison of space cooling/heating load under non-uniform indoor environment with convective heat gain/loss from envelope. *Building Simulation*, **2021**, 14, 565-578	3.9	2
177	The influence of heat source distribution on the space cooling load oriented to local thermal requirements. *Indoor and Built Environment*, **2021**, 30, 264-277	1.8	2
176	Image-based occupancy positioning system using pose-estimation model for demand-oriented ventilation. *Journal of Building Engineering*, **2021**, 39, 102220	5.2	6
175	Construction method for air cooling/heating process in HVAC system based on grade match between energy and load. *International Journal of Refrigeration*, **2021**, 131, 10-10	3.8	2
174	Effect of thermal, acoustic, and lighting environment in underground space on human comfort and work efficiency: A review. *Science of the Total Environment*, **2021**, 786, 147537	10.2	6
173	Theoretical expression for clean air volume in cleanrooms with non-uniform environments. *Building and Environment*, **2021**, 204, 108168	6.5	1
172	Hybrid photovoltaic/thermal and ground source heat pump: Review and perspective. *Renewable and Sustainable Energy Reviews*, **2021**, 151, 111569	16.2	6
171	Analytical expression of dynamic cooling load of non-uniform environment considering the thermal mass of convective boundaries. *Journal of Building Engineering*, **2021**, 43, 102505	5.2	

170	A general method to evaluate the applicability of natural energy for building cooling and heating: Revised degree hours. *Energy and Buildings*, **2021**, 250, 111277	7	3
169	Calculation method for air resistance coefficient of vehicles in tunnel with different traffic conditions. *Journal of Building Engineering*, **2021**, 44, 102971	5.2	1
168	Numerical investigation on ventilation control strategy of reducing circulating air volume in a factory for storing satellites. *Energy and Buildings*, **2021**, 252, 111444	7	2
167	Decoupling transient effects of factors affected by air recirculation devices on contaminant distribution in ventilated spaces. *Building and Environment*, **2021**, 206, 108339	6.5	0
166	Numerical investigation of the energy efficiency of a serial pipe-embedded external wall system considering water temperature changes in the pipeline. *Journal of Building Engineering*, **2020**, 31, 101435	5.2	3
165	Quantitative effects of supply air and contaminant sources on steady contaminant distribution in ventilated space with air recirculation. *Building and Environment*, **2020**, 171, 106672	6.5	6
164	A solar-air hybrid source heat pump for space heating and domestic hot water. *Solar Energy*, **2020**, 199, 347-359	6.8	24
163	A Superposition Method to Predict Indoor Temperature Distribution with Convective Heat Gain/Loss Through the Building Envelope. *Environmental Science and Engineering*, **2020**, 229-238	0.2	
162	Advances in Novel Working Fluids for Absorption Heat Pump **2020**, 211-236		
161	Absorption Heating Technologies: Summaries and Perspectives **2020**, 261-266		
160	Characteristics of Conventional Heating Technologies **2020**, 1-19		
159	Fundamentals of Absorption Heating Technologies **2020**, 21-74		
158	Advances in Waste Heat and Renewable Energy Utilization **2020**, 237-259		
157	Performance Improvement of Absorption Heat Pump **2020**, 109-145		
156	Hybrid Ground Source Absorption Heat Pump System **2020**, 167-210		
155	Low Evaporation Temperature Absorption Heat Pump **2020**, 75-108		
154	Numerical Investigation on Energy Efficiency of a Serial Pipe-Embedded Window System Operated in Summer Considering Water Temperature Change in Pipeline. *Environmental Science and Engineering*, **2020**, 787-795	0.2	
153	Direct relationship between the system cooling load and indoor heat gain in a non-uniform indoor environment. *Energy*, **2020**, 191, 116490	7.9	7

152	Experimental study on effects of supply-air humidification on energy and emission performance of domestic gas boilers. *Energy and Buildings*, **2020**, 209, 109726	7	8
151	Implementation of demand-oriented ventilation with adjustable fan network. *Indoor and Built Environment*, **2020**, 29, 621-635	1.8	16
150	Analytical expression of indoor temperature distribution in generally ventilated room with arbitrary boundary conditions. *Energy and Buildings*, **2020**, 208, 109640	7	6
149	Airflow pattern induced by ceiling fan under different rotation speeds and blowing directions. *Indoor and Built Environment*, **2020**, 29, 1425-1440	1.8	4
148	Application of optimization method based on discretized thermal energy in condensing heat recovery system of combined heat and power plant. *Energy*, **2020**, 213, 119013	7.9	1
147	COVID-19 transmission in the first presidential debate in 2020. *Physics of Fluids*, **2020**, 32, 115125	4.4	14
146	Principles of air and contaminant movement inside and around buildings **2020**, 245-370		2
145	Utilizing shallow geothermal energy to develop an energy efficient HVAC system. *Renewable Energy*, **2020**, 147, 672-682	8.1	16
144	Numerical analysis of the methods for reducing the energy use of air-conditioning systems in non-uniform indoor environments. *Building and Environment*, **2020**, 167, 106442	6.5	8
143	Absorption Heating Technologies **2020**,		1
142	Performance of Ground Source Absorption Heat Pump **2020**, 147-165		
141	Source localization in dynamic indoor environments with natural ventilation: An experimental study of a particle swarm optimization-based multi-robot olfaction method. *Building and Environment*, **2019**, 161, 106228	6.5	17
140	A method to describe the thermal property of pipe-embedded double-skin façade: Equivalent glass window. *Energy and Buildings*, **2019**, 195, 33-44	7	10
139	Comparative study of two-phase natural circulation and gas-side mechanically driven loop used in air-conditioning systems. *Applied Thermal Engineering*, **2019**, 153, 848-860	5.8	3
138	Free-running temperature of room equipped with pipe-embedded double skin façade: A case study in Guangzhou. *Science and Technology for the Built Environment*, **2019**, 25, 1132-1142	1.8	3
137	Performance comparisons of NH3/ionic liquid absorption–compression heat pump for increasing the utilization of geothermal energy. *International Journal of Refrigeration*, **2019**, 104, 19-33	3.8	11
136	Measurement of airflow pattern induced by ceiling fan with quad-view colour sequence particle streak velocimetry. *Building and Environment*, **2019**, 152, 122-134	6.5	14
135	Simulation of the performance of a gas-fired hot water system with compression-enhanced ejector heat pump using R152a. *Applied Thermal Engineering*, **2019**, 162, 114159	5.8	3

134	Experimental investigation on NH3H2O generator-absorber heat exchange (GAX) absorption heat pump. *Energy*, **2019**, 185, 337-349	7.9	3
133	Numerical analysis on the load reduction of a pipe-embedded window with different water temperatures and structures under different climates. *Science and Technology for the Built Environment*, **2019**, 25, 1187-1198	1.8	0
132	A quantitative relationship between heat gain and local cooling load in a general non-uniform indoor environment. *Energy*, **2019**, 182, 412-423	7.9	9
131	Performance investigation of the cross-flow closed-type heat-source tower using experiments and an adaptive neuro-fuzzy inference system model. *Energy and Buildings*, **2019**, 183, 340-355	7	13
130	Energy saving potential of fresh air pre-handling system using shallow geothermal energy. *Energy and Buildings*, **2019**, 185, 39-48	7	21
129	Improved performance of displacement ventilation by a pipe-embedded window. *Building and Environment*, **2019**, 147, 1-10	6.5	6
128	Rapid prediction of the transient effect of the initial contaminant condition using a limited number of sensors. *Indoor and Built Environment*, **2019**, 28, 322-334	1.8	4
127	Performance analysis on compression-assisted absorption heat transformer: A new low-temperature heating system with higher heating capacity under lower ambient temperature. *Applied Thermal Engineering*, **2018**, 134, 419-427	5.8	8
126	Numerical analysis on the performance of mechanical vapor recompression system for strong sodium chloride solution enrichment. *Applied Thermal Engineering*, **2018**, 137, 386-394	5.8	11
125	A general distributed parameter model for ground heat exchangers with arbitrary shape and type of heat sources. *Energy Conversion and Management*, **2018**, 164, 667-679	10.6	9
124	Experimental research on heat and mass transfer characteristics of cross-flow closed-type heat-source tower. *Applied Thermal Engineering*, **2018**, 135, 289-303	5.8	20
123	A performance evaluation index for two-phase thermosyphon loop used in HVAC systems. *Applied Thermal Engineering*, **2018**, 131, 825-836	5.8	17
122	Comparisons of different ionic liquids combined with trans-1,3,3,3-tetrafluoropropene (R1234ze(E)) as absorption working fluids. *International Journal of Refrigeration*, **2018**, 88, 45-57	3.8	32
121	Parametric studies of silica gel and molecular sieve desiccant wheels: Experimental and modeling approaches. *International Communications in Heat and Mass Transfer*, **2018**, 91, 176-186	5.8	7
120	Cooling load for the design of air terminals in a general non-uniform indoor environment oriented to local requirements. *Energy and Buildings*, **2018**, 174, 603-618	7	17
119	A novel internally hybrid absorption-compression heat pump for performance improvement. *Energy Conversion and Management*, **2018**, 168, 237-251	10.6	29
118	High-performance color sequence particle streak velocimetry for 3D airflow measurement. *Applied Optics*, **2018**, 57, 1518-1523	1.7	9
117	Energy efficiency of an air conditioning system coupled with a pipe-embedded wall and mechanical ventilation. *Journal of Building Engineering*, **2018**, 15, 229-235	5.2	9

116	Soil thermal imbalance of ground source heat pump systems with spiral-coil energy pile groups under seepage conditions and various influential factors. *Energy Conversion and Management*, **2018**, 178, 123-136	10.6	42
115	Compression-assisted absorption cycles using ammonia and various ionic liquids for cleaner heating. *Journal of Cleaner Production*, **2018**, 195, 890-907	10.3	25
114	Experimentally comparative study on two-phase natural and pump-driven loop used in HVAC systems. *Applied Thermal Engineering*, **2018**, 142, 321-333	5.8	9
113	Configurations of solar air source absorption heat pump and comparisons with conventional solar heating. *Applied Thermal Engineering*, **2018**, 141, 630-641	5.8	19
112	Application of smart models for prediction of the frost layer thickness on vertical cryogenic surfaces under natural convection. *Applied Thermal Engineering*, **2017**, 115, 1128-1136	5.8	28
111	A fast distributed parameter model of ground heat exchanger based on response factor. *Building Simulation*, **2017**, 10, 183-192	3.9	4
110	A colour-sequence enhanced particle streak velocimetry method for air flow measurement in a ventilated space. *Building and Environment*, **2017**, 112, 77-87	6.5	14
109	Experimental investigation on the thermal performance of cooling pipes embedded in a graphitization furnace. *Energy*, **2017**, 121, 55-65	7.9	2
108	Simulation of recombined household multi-split variable refrigerant flow system with split-type air conditioners. *Applied Thermal Engineering*, **2017**, 117, 343-354	5.8	13
107	Potential of an air curtain system orientated to create non-uniform indoor thermal environment and save energy. *Indoor and Built Environment*, **2017**, 26, 152-165	1.8	15
106	Multi-mode ventilation: An efficient ventilation strategy for changeable scenarios and energy saving. *Building and Environment*, **2017**, 115, 332-344	6.5	30
105	Energy-saving analysis of a hybrid power-driven heat pump system. *Applied Thermal Engineering*, **2017**, 123, 1050-1059	5.8	15
104	Utilization of ANN and ANFIS models to predict variable speed scroll compressor with vapor injection. *International Journal of Refrigeration*, **2017**, 74, 475-487	3.8	24
103	A robust predictive technique for the pressure drop during condensation in inclined smooth tubes. *International Communications in Heat and Mass Transfer*, **2017**, 86, 166-173	5.8	11
102	Long-term prediction of dynamic distribution of passive contaminant in complex recirculating ventilation system. *Building and Environment*, **2017**, 121, 49-66	6.5	9
101	Coupled heating of ground-coupled heat pump system with heat compensation unit: Performance improvement and borehole reduction. *Energy Conversion and Management*, **2017**, 148, 57-67	10.6	20
100	Robust predictive models for estimating frost deposition on horizontal and parallel surfaces. *International Journal of Refrigeration*, **2017**, 80, 225-237	3.8	25
99	Numerical study on energy efficiency and economy of a pipe-embedded glass envelope directly utilizing ground-source water for heating in diverse climates. *Energy Conversion and Management*, **2017**, 150, 878-889	10.6	22

98	A total heat recovery system between the flue gas and oxidizing air of a gas-fired boiler using a non-contact total heat exchanger. *Applied Energy*, **2017**, 207, 613-623	10.7	37
97	Fast prediction of non-uniform temperature distribution: A concise expression and reliability analysis. *Energy and Buildings*, **2017**, 141, 295-307	7	21
96	Robust model to predict the migration ratios of nanoparticles during the pool-boiling process of nanorefrigerants. *International Communications in Heat and Mass Transfer*, **2017**, 84, 75-85	5.8	19
95	Energy saving potential of pipe-embedded building envelope utilizing low-temperature hot water in the heating season. *Energy and Buildings*, **2017**, 138, 318-331	7	31
94	Potential of Utilizing Different Natural Cooling Sources to Reduce the Building Cooling Load and Cooling Energy Consumption: A Case Study in Urumqi. *Energies*, **2017**, 10, 366	3.1	10
93	Energy saving potential of heat removal using natural cooling water in the top zone of buildings with large interior spaces. *Building and Environment*, **2017**, 124, 323-335	6.5	15
92	Thermodynamic Investigation and Comparison of Absorption Cycles Using Hydrofluoroolefins and Ionic Liquid. *Industrial & Engineering Chemistry Research*, **2017**, 56, 9906-9916	3.9	30
91	A comparative study and prediction of the liquid desiccant dehumidifiers using intelligent models. *Renewable Energy*, **2017**, 114, 1023-1035	8.1	19
90	Performance comparison of absorption heating cycles using various low-GWP and natural refrigerants. *International Journal of Refrigeration*, **2017**, 82, 56-70	3.8	26
89	Celebrating 30 years of conference series on industrial ventilation-health, comfort and efficiency. *International Journal of Ventilation*, **2017**, 16, 161-162	1.1	
88	Experimental Study on Solution Regeneration Performance of Closed-type Heat-source Tower. *Procedia Engineering*, **2017**, 205, 446-452		8
87	Dynamic Performance Analysis for an Absorption Chiller under Different Working Conditions. *Applied Sciences (Switzerland)*, **2017**, 7, 797	2.6	9
86	NH3-H2O water source absorption heat pump (WSAHP) for low temperature heating: Experimental investigation on the off-design performance. *Energy*, **2016**, 115, 697-710	7.9	19
85	Performance analysis of an absorption-compression hybrid refrigeration system recovering condensation heat for generation. *Applied Thermal Engineering*, **2016**, 108, 54-65	5.8	22
84	Identification of constant contaminant sources in a test chamber with real sensors. *Indoor and Built Environment*, **2016**, 25, 997-1010	1.8	10
83	Dynamic thermal performance of pipe-embedded building envelope utilizing evaporative cooling water in the cooling season. *Applied Thermal Engineering*, **2016**, 106, 1103-1113	5.8	33
82	Experimental investigation on NH3H2O compression-assisted absorption heat pump (CAHP) for low temperature heating under lower driving sources. *Applied Energy*, **2016**, 176, 258-271	10.7	37
81	Solar heat gain reduction of double glazing window with cooling pipes embedded in venetian blinds by utilizing natural cooling. *Energy and Buildings*, **2016**, 112, 173-183	7	42

80	An overview of the problems and solutions of soil thermal imbalance of ground-coupled heat pumps in cold regions. *Applied Energy*, **2016**, 177, 515-536	10.7	91
79	Experimental investigation on NH3□H2O compression-assisted absorption heat pump (CAHP) for low temperature heating in colder conditions. *International Journal of Refrigeration*, **2016**, 67, 109-124	3.8	25
78	Thermal performance of double skin fa□ade with built-in pipes utilizing evaporative cooling water in cooling season. *Solar Energy*, **2016**, 137, 55-65	6.8	30
77	Hybrid ground source absorption heat pump in cold regions: Thermal balance keeping and borehole number reduction. *Applied Thermal Engineering*, **2015**, 90, 322-334	5.8	27
76	Heat recovery from Internet data centers for space heating based on an integrated air conditioner with thermosyphon. *Renewable Energy*, **2015**, 80, 396-406	8.1	31
75	Modeling and performance analysis of a two-phase thermosyphon loop with partially/fully liquid-filled downcomer. *International Journal of Refrigeration*, **2015**, 58, 172-185	3.8	40
74	Air source absorption heat pump in district heating: Applicability analysis and improvement options. *Energy Conversion and Management*, **2015**, 96, 197-207	10.6	21
73	A fast model for identifying multiple indoor contaminant sources by considering sensor threshold and measurement error. *Building Services Engineering Research and Technology*, **2015**, 36, 89-106	2.3	3
72	Annual performance investigation and economic analysis of heating systems with a compression-assisted air source absorption heat pump. *Energy Conversion and Management*, **2015**, 98, 290-302	10.6	27
71	Numerical study on the heat recovery and cooling effect by built-in pipes in a graphitization furnace. *Applied Thermal Engineering*, **2015**, 90, 1021-1031	5.8	9
70	Experimental investigation on two-phase thermosyphon loop with partially liquid-filled downcomer. *Applied Energy*, **2015**, 160, 10-17	10.7	57
69	Combining ground source absorption heat pump with ground source electrical heat pump for thermal balance, higher efficiency and better economy in cold regions. *Renewable Energy*, **2015**, 84, 74-88	8.1	41
68	A new ground-coupled heat pump system integrated with a multi-mode air-source heat compensator to eliminate thermal imbalance in cold regions. *Energy and Buildings*, **2015**, 107, 103-112	7	42
67	Evaluating the potential of airflow patterns to maintain a non-uniform indoor environment. *Renewable Energy*, **2015**, 73, 99-108	8.1	14
66	An algorithm for fast prediction of the transient effect of an arbitrary initial condition of contaminant. *Building and Environment*, **2015**, 85, 298-308	6.5	7
65	Performance analysis of hybrid ground-coupled heat pump system with multi-functions. *Energy Conversion and Management*, **2015**, 92, 47-59	10.6	39
64	An overview of ammonia-based absorption chillers and heat pumps. *Renewable and Sustainable Energy Reviews*, **2014**, 31, 681-707	16.2	105
63	Energy consumption model of integrated air conditioner with thermosyphon in mobile phone base station. *International Journal of Refrigeration*, **2014**, 40, 1-10	3.8	31

62	Simulation of a combined heating, cooling and domestic hot water system based on ground source absorption heat pump. *Applied Energy*, **2014**, 126, 113-122	10.7	59
61	A new solution for underground thermal imbalance of ground-coupled heat pump systems in cold regions: Heat compensation unit with thermosyphon. *Applied Thermal Engineering*, **2014**, 64, 283-292	5.8	60
60	Rapid identification of multiple constantly-released contaminant sources in indoor environments with unknown release time. *Building and Environment*, **2014**, 81, 7-19	6.5	24
59	Experimental investigation on charging and discharging performance of absorption thermal energy storage system. *Energy Conversion and Management*, **2014**, 85, 425-434	10.6	52
58	Techno-economic analysis of air source absorption heat pump: Improving economy from a design perspective. *Energy and Buildings*, **2014**, 81, 200-210	7	24
57	Evaluation of ground source absorption heat pumps combined with borehole free cooling. *Energy Conversion and Management*, **2014**, 79, 334-343	10.6	48
56	Dynamic performance of self-operated three-way valve used in a hybrid air conditioner. *Applied Thermal Engineering*, **2014**, 65, 384-393	5.8	8
55	Absorption heating technologies: A review and perspective. *Applied Energy*, **2014**, 130, 51-71	10.7	132
54	Optimising the supply parameters oriented to multiple individual requirements in one common space. *Indoor and Built Environment*, **2014**, 23, 828-838	1.8	7
53	Energy-Efficient Heating and Domestic Hot Water Systems Suitable for Different Regions. *Lecture Notes in Electrical Engineering*, **2014**, 601-607	0.2	
52	A potential solution for thermal imbalance of ground source heat pump systems in cold regions: Ground source absorption heat pump. *Renewable Energy*, **2013**, 59, 39-48	8.1	81
51	A new heating system based on coupled air source absorption heat pump for cold regions: Energy saving analysis. *Energy Conversion and Management*, **2013**, 76, 811-817	10.6	34
50	Development of an integrated air conditioner with thermosyphon and the application in mobile phone base station. *International Journal of Refrigeration*, **2013**, 36, 58-69	3.8	60
49	An algorithm to predict the transient moisture distribution for wall condensation under a steady flow field. *Building and Environment*, **2013**, 67, 56-68	6.5	11
48	Fast Identification of Multiple Indoor Constant Contaminant Sources by Ideal Sensors: A Theoretical Model and Numerical Validation. *Indoor and Built Environment*, **2013**, 22, 897-909	1.8	23
47	Crystallization Analysis and Control of Ammonia-Based Air Source Absorption Heat Pump in Cold Regions. *Advances in Mechanical Engineering*, **2013**, 5, 140341	1.2	19
46	Energy saving potential of low temperature hot water system based on air source absorption heat pump. *Applied Thermal Engineering*, **2012**, 48, 317-324	5.8	57
45	Comparisons of different working pairs and cycles on the performance of absorption heat pump for heating and domestic hot water in cold regions. *Applied Thermal Engineering*, **2012**, 48, 349-358	5.8	64

44	An analytical expression for transient distribution of passive contaminant under steady flow field. *Building and Environment*, **2012**, 52, 98-106	6.5	27
43	A theoretical model to calculate the distribution of air age in general ventilation system. *Building Services Engineering Research and Technology*, **2012**, 33, 159-180	2.3	6
42	An Optimization Method of Sensor Layout to Improve Source Identification Accuracy in the Indoor Environment. *International Journal of Ventilation*, **2012**, 11, 155-170	1.1	5
41	A numerical method to determine the steady state distribution of passive contaminant in generic ventilation systems. *Journal of Hazardous Materials*, **2011**, 192, 139-49	12.8	6
40	????????????. *Chinese Science Bulletin*, **2011**, 56, 669-678	2.9	8
39	Decision analysis of emergency ventilation and evacuation strategies against suddenly released contaminant indoors by considering the uncertainty of source locations. *Journal of Hazardous Materials*, **2010**, 178, 101-14	12.8	10
38	Evaluating emergency ventilation strategies under different contaminant source locations and evacuation modes by efficiency factor of contaminant source (EFCS). *Building and Environment*, **2010**, 45, 485-497	6.5	12
37	Experimental investigation on the characteristics of variable displacement swash plate compressor. *Applied Thermal Engineering*, **2009**, 29, 2824-2831	5.8	9
36	Evolution of contaminant distribution at steady airflow field with an arbitrary initial condition in ventilated space. *Atmospheric Environment*, **2008**, 42, 6775-6784	5.3	15
35	Simulation model for complex refrigeration systems based on two-phase fluid network □Part II: Model application. *International Journal of Refrigeration*, **2008**, 31, 500-509	3.8	19
34	Simulation model for complex refrigeration systems based on two-phase fluid network □Part I: Model development. *International Journal of Refrigeration*, **2008**, 31, 490-499	3.8	35
33	Simulation and performance analysis of control mechanism in variable displacement swash plate compressor. *Applied Thermal Engineering*, **2007**, 27, 1868-1875	5.8	6
32	Perceived Particle Intensity: An Indicator to Evaluate Indoor Particle Pollution. *Indoor and Built Environment*, **2006**, 15, 155-164	1.8	7
31	Air Supply Opening Model of Ceiling Diffusers for Numerical Simulation of Indoor Air Distribution under Actual Connected Conditions, Part II: Application of the Model. *Numerical Heat Transfer; Part A: Applications*, **2006**, 49, 821-830	2.3	6
30	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. *Numerical Heat Transfer; Part A: Applications*, **2006**, 50, 45-61	2.3	5
29	Ventilation for Better Indoor Air Quality - Selected Papers from the Indoor Air 2005 Conference. *International Journal of Ventilation*, **2006**, 5, 273-273	1.1	
28	A mathematical model of variable displacement swash plate compressor for automotive air conditioning system. *International Journal of Refrigeration*, **2006**, 29, 270-280	3.8	30
27	Numerical Analysis on the Performance of Control Valve in Variable Displacement Wobble Plate Compressor. *Journal of Mechanical Design, Transactions of the ASME*, **2005**, 127, 326-333	3	9

26	Instability of automotive air conditioning system with a variable displacement compressor. Part 2. Numerical simulation. *International Journal of Refrigeration*, **2005**, 28, 1111-1123	3.8	17
25	Experimental investigation and numerical simulation on the hysteresis zone of a variable displacement wobble plate compressor. *International Journal of Refrigeration*, **2005**, 28, 988-996	3.8	2
24	Numerical analysis of outdoor thermal environment around buildings. *Building and Environment*, **2005**, 40, 853-866	6.5	29
23	Numerical study of the transport of droplets or particles generated by respiratory system indoors. *Building and Environment*, **2005**, 40, 1032-1039	6.5	114
22	Numerical analysis of evaporator frosting in automotive air-conditioning system with a variable-displacement compressor. *Applied Energy*, **2005**, 82, 1-22	10.7	8
21	Numerical simulation on performance band of automotive air conditioning system with a variable displacement compressor. *Energy Conversion and Management*, **2005**, 46, 2718-2738	10.6	21
20	Transient behavior evaluation of an automotive air conditioning system with a variable displacement compressor. *Applied Thermal Engineering*, **2005**, 25, 1922-1948	5.8	9
19	Instability of automotive air conditioning system with a variable displacement compressor. Part 1. Experimental investigation. *International Journal of Refrigeration*, **2005**, 28, 1102-1110	3.8	12
18	Numerical Investigation on the Influence of Contaminant Source Location, Occupant Distribution and Air Distribution on Emergency Ventilation Strategy. *Indoor and Built Environment*, **2005**, 14, 455-467	1.8	8
17	Strategy to Optimise Building Ventilation to Aid Rescue of Hostages Held by Terrorists. *Indoor and Built Environment*, **2005**, 14, 39-50	1.8	6
16	Accessibility: A New Concept to Evaluate Ventilation Performance in a Finite Period of Time. *Indoor and Built Environment*, **2004**, 13, 287-293	1.8	33
15	Numerical Study of Particle Deposition in Two Differently Ventilated Rooms. *Indoor and Built Environment*, **2004**, 13, 443-451	1.8	40
14	A GENERALIZED ALGORITHM FOR SIMULATING CONTAMINANT DISTRIBUTION IN COMPLEX VENTILATION SYSTEMS WITH RECIRCULATION. *Numerical Heat Transfer; Part A: Applications*, **2004**, 45, 583-599	2.3	3
13	A new inverter heat pump operated all year round with domestic hot water. *Energy Conversion and Management*, **2004**, 45, 2255-2268	10.6	24
12	Performance representation of variable-speed compressor for inverter air conditioners based on experimental data. *International Journal of Refrigeration*, **2004**, 27, 805-815	3.8	82
11	Prediction of transient contaminant dispersion and ventilation performance using the concept of accessibility. *Energy and Buildings*, **2004**, 36, 293-299	7	32
10	Comparison of indoor aerosol particle concentration and deposition in different ventilated rooms by numerical method. *Building and Environment*, **2004**, 39, 1-8	6.5	261
9	Determining ventilation strategy to defend indoor environment against contamination by integrated accessibility of contaminant source (IACS). *Building and Environment*, **2004**, 39, 1035-1042	6.5	14

8	Performance of three air distribution systems in VOC removal from an area source. *Building and Environment*, **2004**, 39, 1289-1299	6.5	22
7	A mathematical model of variable displacement wobble plate compressor for automotive air conditioning system. *Applied Thermal Engineering*, **2004**, 24, 2467-2486	5.8	18
6	An algorithm for calculating fresh air age in central ventilation system. *Science in China Series D: Earth Sciences*, **2003**, 46, 182-190		6
5	A simplified system for indoor airflow simulation. *Building and Environment*, **2003**, 38, 543-552	6.5	76
4	Total air age: an extension of the air age concept. *Building and Environment*, **2003**, 38, 1263-1269	6.5	44
3	Revised air-exchange efficiency considering occupant distribution in ventilated rooms. *Journal of the Air and Waste Management Association*, **2003**, 53, 759-63	2.4	15
2	Influence of Diffuser Jet Characteristics on Indoor Air Distribution under Actual Connecting Conditions. *Journal of Architectural Engineering*, **2003**, 9, 141-144	1.5	5
1	Dividing air handling loads into different grades and handling air with different grade energies. *Indoor and Built Environment*,1420326X2096150	1.8	1