Shiming Deng

List of Publications by Year in Descending Order

145 papers	3,993 citations	38 h-index	56 g-index
152 ext. papers	4,753 ext. citations	6.5 avg, IF	6.05 L-index

#	Paper	IF	Citations
145	An experimental study on achieving even-frosting for an air source heat pump using a novel dual-fan outdoor coil. *Energy and Buildings*, **2022**, 255, 111695	7	2
144	Energy consumption performance optimization of PTFE HEPA filter media during dust loading through compositing them with the efficient filter medium. *Sustainable Cities and Society*, **2022**, 78, 103657	10.1	1
143	Developing condensing-frosting performance maps for a variable speed air source heat pump (ASHP) for frosting suppression. *Applied Thermal Engineering*, **2022**, 211, 118397	5.8	0
142	Performance analysis of air source heat pump space heating system with an adaptive control for supply water temperature. *Applied Thermal Engineering*, **2022**, 211, 118401	5.8	2
141	A numerical study on evaluating the thermal environment in a space served by a bed-based air source heat pump (B-ASHP) system. *Energy and Buildings*, **2021**, 234, 110693	7	0
140	A review on the operational instability of vapor compression system. *International Journal of Refrigeration*, **2021**, 122, 97-109	3.8	1
139	Development of evaluation indexes for assessing the regional operating performances of air source heat pump (ASHP) units operated in different climate regions based on the equivalent temperature drop method. *Energy and Buildings*, **2021**, 247, 111111	7	2
138	A numerical study on evaluating sleeping thermal comfort using a Chinese-Kang based space heating system. *Energy and Buildings*, **2021**, 248, 111174	7	2
137	Applying image recognition to frost built-up detection in air source heat pumps. *Energy*, **2021**, 233, 121004	7.9	2
136	Improved indoor air temperature and humidity control using a novel direct-expansion-based air conditioning system. *Journal of Building Engineering*, **2021**, 43, 102920	5.2	2
135	Modeling the surface filtration pressure drop of PTFE HEPA filter media for low load applications. *Building and Environment*, **2020**, 177, 106905	6.5	8
134	A novel defrosting initiating method for air source heat pumps based on the optimal defrosting initiating time point. *Energy and Buildings*, **2020**, 222, 110064	7	6
133	An experimental study on the operating performances of a novel bed-based air source heat pump (B-ASHP) system. *Energy and Buildings*, **2020**, 223, 110191	7	2
132	An experimental investigation on the operational characteristics of a novel direct expansion based air conditioning system with a two-sectioned cooling coil. *International Journal of Refrigeration*, **2020**, 118, 131-138	3.8	5
131	Experimental study of storage capacity and discharging rate of latent heat thermal energy storage units. *Applied Energy*, **2020**, 275, 115325	10.7	9
130	The effect of PM2.5 air pollution on the frosting process of outdoor finned-tube evaporator. *Energy and Buildings*, **2020**, 213, 109808	7	4
129	A novel characteristic index for frosting suppression based on the configuration and operation of air source heat pumps. *International Journal of Refrigeration*, **2020**, 109, 161-171	3.8	9

128	Determination of the optimal defrosting initiating time point for an ASHP unit based on the minimum loss coefficient in the nominal output heating energy. *Energy*, **2020**, 191, 116505	7.9	15
127	An equivalent temperature drop method for evaluating the operating performances of ASHP units jointly affected by ambient air temperature and relative humidity. *Energy and Buildings*, **2020**, 224, 110211	7	2
126	A novel design method for ASHPs considering output heating capacity and frosting suppression. *Energy and Buildings*, **2020**, 224, 110099	7	7
125	Development of an optimal control method of chilled water temperature for constant-speed air-cooled water chiller air conditioning systems. *Applied Thermal Engineering*, **2020**, 180, 115802	5.8	5
124	An experimental study on the starting characteristics of an improved radiant-convective air source heat pump system. *Energy and Buildings*, **2020**, 226, 110384	7	6
123	A modeling study on a direct expansion based air conditioner having a two-sectioned cooling coil. *Applied Energy*, **2020**, 278, 115688	10.7	4
122	Field investigations on frosting suppression for variable-capacity ASHPs through optimizing their operations and configurations. *Energy and Buildings*, **2020**, 224, 110266	7	2
121	A novel air source heat pump powered bed-based space heating (ASHP-BBSH) system for improved indoor thermal environment. *Energy Procedia*, **2019**, 158, 2231-2236	2.3	1
120	Development of a superheat controller for mitigating hunting in a direct expansion air conditioning system. *Energy Procedia*, **2019**, 158, 2085-2091	2.3	1
119	Adaptive control for degree of refrigerant superheat in a direct expansion air conditioning system under variable speed operation. *Energy Procedia*, **2019**, 158, 2182-2187	2.3	2
118	A numerical study on optimizing the designs of applying PCMs to a disaster-relief prefabricated temporary-house (PTH) to improve its summer daytime indoor thermal environment. *Energy*, **2019**, 181, 239-249	7.9	12
117	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	8.1	19
116	A simulation study on the operational stability of an EEV-controlled direct expansion air conditioning system under variable speed operation. *International Journal of Refrigeration*, **2019**, 103, 115-125	3.8	6
115	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	3.6	30
114	Heating and energy storage characteristics of multi-split air source heat pump based on energy storage defrosting. *Applied Energy*, **2019**, 238, 303-310	10.7	18
113	A comparative study of frosting behavior on finned tube heat exchanger under different fan control modes. *Applied Thermal Engineering*, **2019**, 160, 114063	5.8	19
112	A novel defouling initiation method for a space cooling ASHP unit based on its measurable characteristic ambient and operating temperatures. *International Journal of Refrigeration*, **2019**, 104, 171-179	3.8	8
111	An analytical technique for the optimal designs of tube-in-tank thermal energy storage systems using PCM. *International Journal of Heat and Mass Transfer*, **2019**, 128, 849-859	4.9	13

110	A new performance index for constant speed air-source heat pumps based on the nominal output heating capacity and a related modeling study. *Energy and Buildings*, **2019**, 184, 205-215	7	17
109	A field study on the effects of outdoor coil fouling at different ambient air temperatures on the operating performances of a space cooling ASHP unit. *Energy and Buildings*, **2019**, 183, 639-649	7	12
108	Experimental performance evaluation of a novel anti-fouling wastewater source heat pump system with a wastewater tower. *Applied Energy*, **2019**, 236, 690-699	10.7	19
107	An experimental study on the effects of frosting conditions on frost distribution and growth on finned tube heat exchangers. *International Journal of Heat and Mass Transfer*, **2019**, 128, 748-761	4.9	25
106	Further development of a thermal comfort based fuzzy logic controller for a direct expansion air conditioning system. *Applied Energy*, **2018**, 219, 312-324	10.7	14
105	A simplified numerical study on the energy performance and thermal environment of a bedroom TAC system. *Energy and Buildings*, **2018**, 166, 305-316	7	11
104	A new capacity controller for a direct expansion air conditioning system for operational safety and efficiency. *Building Services Engineering Research and Technology*, **2018**, 39, 21-37	2.3	9
103	Techno-economic analysis on frosting and defrosting operations of an air source heat pump unit applied in a typical cold city. *Energy and Buildings*, **2018**, 162, 65-76	7	12
102	A review on temperature and humidity control methods focusing on air-conditioning equipment and control algorithms applied in small-to-medium-sized buildings. *Energy and Buildings*, **2018**, 162, 163-176	7	22
101	Review on improvement for air source heat pump units during frosting and defrosting. *Applied Energy*, **2018**, 211, 1150-1170	10.7	148
100	An experimental study on frosting and defrosting performances of a novel air source heat pump unit with a radiant-convective heating terminal. *Energy and Buildings*, **2018**, 163, 10-21	7	28
99	An experimental study of frost distribution and growth on finned tube heat exchangers used in air source heat pump units. *Applied Thermal Engineering*, **2018**, 132, 38-51	5.8	29
98	An experimental study on a novel radiant-convective heating system based on air source heat pump. *Energy and Buildings*, **2018**, 158, 812-821	7	28
97	Review on building energy performance improvement using phase change materials. *Energy and Buildings*, **2018**, 158, 776-793	7	210
96	Inherent operational characteristics aided fuzzy logic controller for a variable speed direct expansion air conditioning system for simultaneous indoor air temperature and humidity control. *Energy and Buildings*, **2018**, 158, 558-568	7	20
95	Energy performance of a bedroom task/ambient air conditioning (TAC) system applied in different climate zones of China. *Energy*, **2018**, 159, 724-736	7.9	15
94	Development of a steady-state physical-based mathematical model for a direct expansion based enhanced dehumidification air conditioning system. *International Journal of Refrigeration*, **2018**, 91, 55-68	3.8	11
93	Operating performances of a space heating ASHP unit with a foul outdoor coil following a prolonged cooling operation. *International Journal of Refrigeration*, **2018**, 88, 614-625	3.8	6

92	5.22 Energy Management in Hotels **2018**, 855-867		
91	Dust Loading Performance of the PTFE HEPA Media and its Comparison with the Glass Fibre HEPA Media. *Aerosol and Air Quality Research*, **2018**, 18, 1921-1931	4.6	16
90	Comparative studies on using RSM and TOPSIS methods to optimize residential air conditioning systems. *Energy*, **2018**, 144, 98-109	7.9	29
89	Numerical analysis for maximizing effective energy storage capacity of thermal energy storage systems by enhancing heat transfer in PCM. *Energy and Buildings*, **2018**, 160, 10-18	7	40
88	An experimental study on applying PCMs to disaster-relief prefabricated temporary houses for improving internal thermal environment in summer. *Energy and Buildings*, **2018**, 179, 301-310	7	16
87	Operating performances of an ASHP unit operated in a mild and humid region using tube-encircled photoelectric sensor based defrosting initiation strategy. *Energy and Buildings*, **2018**, 177, 140-153	7	18
86	A direct expansion based enhanced dehumidification air conditioning system for improved year-round indoor humidity control in hot and humid climates. *Building and Environment*, **2018**, 139, 95-109	6.5	17
85	An experimental study on the operational characteristics of a direct expansion based enhanced dehumidification air conditioning system. *Applied Energy*, **2018**, 225, 922-933	10.7	13
84	Parameter optimization for operation of a bed-based task/ambient air conditioning (TAC) system to achieve a thermally neutral environment with minimum energy use. *Indoor and Built Environment*, **2017**, 26, 132-144	1.8	13
83	An experimental study on the performances of a radiation-based task/ambient air conditioning system applied to sleeping environments. *Energy and Buildings*, **2017**, 139, 291-301	7	13
82	Applying passive cooling measures to a temporary disaster-relief prefabricated house to improve its indoor thermal environment in summer in the subtropics. *Energy and Buildings*, **2017**, 139, 456-464	7	13
81	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	10.7	49
80	Computational fluid dynamics analysis of convective heat transfer coefficients for a sleeping human body. *Applied Thermal Engineering*, **2017**, 117, 385-396	5.8	34
79	Optimization on the performances of a novel bed-based task/ambient conditioning (TAC) system. *Energy and Buildings*, **2017**, 144, 181-190	7	6
78	Improving defrosting performance of cascade air source heat pump using thermal energy storage based reverse cycle defrosting method. *Applied Thermal Engineering*, **2017**, 121, 728-736	5.8	46
77	Real-time neural inverse optimal control for indoor air temperature and humidity in a direct expansion (DX) air conditioning (A/C) system. *International Journal of Refrigeration*, **2017**, 79, 196-206	3.8	5
76	Inherent operational characteristics and operational stability of a variable speed direct expansion air conditioning system. *Applied Thermal Engineering*, **2017**, 113, 268-277	5.8	20
75	Operating optimization for improved energy consumption of a TAC system affected by nighttime thermal loads of building envelopes. *Energy*, **2017**, 133, 491-501	7.9	24

74	Simulation study on a three-evaporator air conditioning system for simultaneous indoor air temperature and humidity control. *Applied Energy*, **2017**, 207, 294-304	10.7	14
73	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	10.7	49
72	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	5.8	43
71	Effects of superheat nonlinearity on the operational stability of a direct expansion (DX) air conditioning (A/C) system. *Energy Procedia*, **2017**, 142, 1854-1859	2.3	2
70	Simulation Study on a Three-evaporator Air Conditioning System for Improved Humidity Control. *Energy Procedia*, **2017**, 105, 2139-2144	2.3	1
69	Energy transfer procession in an air source heat pump unit during defrosting. *Applied Energy*, **2017**, 204, 679-689	10.7	56
68	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	6.5	13
67	A numerical study on the effects of design/operating parameters of the radiant panel in a radiation-based task air conditioning system on indoor thermal comfort and energy saving for a sleeping environment. *Energy and Buildings*, **2017**, 151, 250-262	7	26
66	Optimizing LHS system using PCM in a tube-in-tank design for emergency cooling. *Energy Procedia*, **2017**, 142, 3381-3387	2.3	5
65	A Thermal Comfort based Controller for a Direct Expansion Air Conditioning System. *Energy Procedia*, **2017**, 142, 1817-1822	2.3	1
64	An experimental study on moisture distribution and a way of mitigating condensation in a bedroom with a radiation-based task air conditioning system applied to sleeping environments. *Energy Procedia*, **2017**, 142, 1960-1967	2.3	
63	The influences of the operating characteristics of an Electronic Expansion Valve (EEV) on the operational stability of an EEV controlled direct expansion air conditioning system. *International Journal of Refrigeration*, **2016**, 69, 394-406	3.8	11
62	Experimental and numerical study on air flow and moisture transport in sleeping environments with a task/ambient air conditioning (TAC) system. *Energy and Buildings*, **2016**, 133, 596-604	7	36
61	An experimental study on defrosting performance for an air source heat pump unit at different frosting evenness values with melted frost local drainage. *Applied Thermal Engineering*, **2016**, 99, 730-740	5.8	38
60	An experimental study on the indoor thermal environment in prefabricated houses in the subtropics. *Energy and Buildings*, **2016**, 127, 529-539	7	14
59	Experimental investigations on destroying surface tension of melted frost for defrosting performance improvement of a multi-circuit outdoor coil. *Applied Thermal Engineering*, **2016**, 103, 1278-1288	5.8	27
58	A novel capacity controller for a three-evaporator air conditioning (TEAC) system for improved indoor humidity control. *Applied Thermal Engineering*, **2016**, 98, 1251-1262	5.8	15
57	An experimental study on defrosting performance for an air source heat pump unit with a horizontally installed multi-circuit outdoor coil. *Applied Energy*, **2016**, 165, 371-382	10.7	55

56	An experimental study on even frosting performance of an air source heat pump unit with a multi-circuit outdoor coil. *Applied Energy*, **2016**, 164, 36-44	10.7	59
55	Developing and validating a dynamic mathematical model of a three-evaporator air conditioning (TEAC) system. *Applied Thermal Engineering*, **2016**, 100, 880-892	5.8	11
54	The impacts of daytime external envelope heat gain/storage on the nighttime cooling load and the related mitigation measures in a bedroom in the subtropics. *Energy and Buildings*, **2016**, 118, 70-81	7	9
53	A modeling study on alleviating uneven defrosting for a vertical three-circuit outdoor coil in an air source heat pump unit during reverse cycle defrosting. *Applied Energy*, **2016**, 161, 268-278	10.7	39
52	Performance study on a low-temperature absorption–compression cascade refrigeration system driven by low-grade heat. *Energy Conversion and Management*, **2016**, 119, 379-388	10.6	16
51	Operating characteristics of a three-evaporator air conditioning (TEAC) system. *Applied Thermal Engineering*, **2016**, 103, 883-891	5.8	6
50	Application of TOPSIS method in evaluating the effects of supply vane angle of a task/ambient air conditioning system on energy utilization and thermal comfort. *Applied Energy*, **2016**, 180, 536-545	10.7	76
49	An experimental study on the negative effects of downwards flow of the melted frost over a multi-circuit outdoor coil in an air source heat pump during reverse cycle defrosting. *Applied Energy*, **2015**, 138, 598-604	10.7	35
48	A novel proportional-derivative (PD) law based fuzzy logic principles assisted controller for simultaneously controlling indoor temperature and humidity using a direct expansion (DX) air conditioning (A/C) system. *International Journal of Refrigeration*, **2015**, 57, 239-256	3.8	15
47	Transient Simulation of a Dual-evaporator air Conditioning System for Developing an Improved Humidity Control Strategy. *Energy Procedia*, **2015**, 75, 1832-1837	2.3	
46	The Influence of the Deteriorations in Living Environments on the Health of Disaster Victims Following a Natural Disaster. *Procedia Engineering*, **2015**, 121, 203-211		4
45	Efficient Residential Indoor Thermal Environment Control **2015**, 1-22		1
44	A novel neural network aided fuzzy logic controller for a variable speed (VS) direct expansion (DX) air conditioning (A/C) system. *Applied Thermal Engineering*, **2015**, 78, 9-23	5.8	31
43	Further study on the inherent operating characteristics of a variable speed direct expansion air conditioning system. *Applied Thermal Engineering*, **2014**, 66, 206-215	5.8	27
42	A semi-empirical modeling study on the defrosting performance for an air source heat pump unit with local drainage of melted frost from its three-circuit outdoor coil. *Applied Energy*, **2014**, 136, 537-547	10.7	40
41	Performance evaluation of an air conditioning system with different heights of supply outlet applied to a sleeping environment. *Energy and Buildings*, **2014**, 77, 281-291	7	28
40	A novel hybrid steady-state model based controller for simultaneous indoor air temperature and humidity control. *Energy and Buildings*, **2014**, 68, 593-602	7	9
39	An experimental study on the effects of downwards flowing of melted frost over a vertical multi-circuit outdoor coil in an air source heat pump on defrosting performance during reverse cycle defrosting. *Applied Thermal Engineering*, **2014**, 67, 258-265	5.8	50

38	A novel defrosting control method based on the degree of refrigerant superheat for air source heat pumps. *International Journal of Refrigeration*, **2013**, 36, 2278-2288	3.8	57
37	Thermal, ventilation and energy saving performance evaluations of a ductless bed-based task/ambient air conditioning (TAC) system. *Energy and Buildings*, **2013**, 66, 297-305	7	39
36	Performance evaluation of a novel bed-based task/ambient conditioning (TAC) system. *Energy and Buildings*, **2012**, 44, 54-62	7	49
35	A study of the reverse cycle defrosting performance on a multi-circuit outdoor coil unit in an air source heat pump Part II: Modeling analysis. *Applied Energy*, **2012**, 91, 274-280	10.7	38
34	An experimental investigation on reverse-cycle defrosting performance for an air source heat pump using an electronic expansion valve. *Applied Energy*, **2012**, 97, 327-333	10.7	54
33	The effects of external wall insulation thickness on annual cooling and heating energy uses under different climates. *Applied Energy*, **2012**, 97, 313-318	10.7	51
32	A study of the reverse cycle defrosting performance on a multi-circuit outdoor coil unit in an air source heat pump Part I: Experiments. *Applied Energy*, **2012**, 91, 122-129	10.7	70
31	An experimental study on defrosting heat supplies and energy consumptions during a reverse cycle defrost operation for an air source heat pump. *Applied Thermal Engineering*, **2012**, 37, 380-387	5.8	94
30	Experimental study on the operating characteristics of a novel low-concentrating solar photovoltaic/thermal integrated heat pump water heating system. *Applied Thermal Engineering*, **2011**, 31, 3689-3695	5.8	79
29	AN EXPERIMENTAL STUDY ON THE DEFROSTING PERFORMANCE OF A PCM-BASED REVERSE-CYCLE DEFROSTING METHOD FOR AIR SOURCE HEAT PUMPS **2010**, 18, 327-337		5
28	Improved indoor thermal comfort during defrost with a novel reverse-cycle defrosting method for air source heat pumps. *Building and Environment*, **2010**, 45, 2354-2361	6.5	87
27	Research on a novel DDC-based capacity controller for the direct-expansion variable-air-volume A/C system. *Energy Conversion and Management*, **2010**, 51, 1-8	10.6	4
26	Inherent correlation between the total output cooling capacity and equipment sensible heat ratio of a direct expansion air conditioning system under variable-speed operation (XXG SMD SHR DX AC unit). *Applied Thermal Engineering*, **2010**, 30, 1601-1607	5.8	34
25	Improving degree of superheat control in a direct expansion (DX) air conditioning (A/C) system. *International Journal of Refrigeration*, **2010**, 33, 125-134	3.8	15
24	Simulation of a photovoltaic/thermal heat pump system having a modified collector/evaporator. *Solar Energy*, **2009**, 83, 1967-1976	6.8	70
23	Multivariable control of indoor air temperature and humidity in a direct expansion (DX) air conditioning (A/C) system. *Building and Environment*, **2009**, 44, 1659-1667	6.5	70
22	A new control algorithm for direct expansion air conditioning systems for improved indoor humidity control and energy efficiency. *Energy Conversion and Management*, **2008**, 49, 578-586	10.6	33
21	A Modified McQuiston model for evaluating efficiency of wet fin considering effect of condensate film moving on fin surface. *Energy Conversion and Management*, **2008**, 49, 2403-2408	10.6	13

20	A study on the thermal comfort in sleeping environments in the subtropics Measuring the total insulation values for the bedding systems commonly used in the subtropics. *Building and Environment*, **2008**, 43, 905-916	6.5	92
19	Multivariable control-oriented modeling of a direct expansion (DX) air conditioning (A/C) system. *International Journal of Refrigeration*, **2008**, 31, 841-849	3.8	45
18	A study on the thermal comfort in sleeping environments in the subtropics Developing a thermal comfort model for sleeping environments. *Building and Environment*, **2008**, 43, 70-81	6.5	149
17	A study on the operational stability of a refrigeration system having a variable speed compressor. *International Journal of Refrigeration*, **2008**, 31, 1368-1374	3.8	31
16	An experimental study on the inherent operational characteristics of a direct expansion (DX) air conditioning (A/C) unit. *Building and Environment*, **2007**, 42, 1-10	6.5	48
15	A DDC-based capacity controller of a direct expansion (DX) air conditioning (A/C) unit for simultaneous indoor air temperature and humidity control Part I: Control algorithms and preliminary controllability tests. *International Journal of Refrigeration*, **2007**, 30, 113-123	3.8	50
14	Condensate retention on a louver-fin-and-tube air cooling coil. *International Journal of Refrigeration* , **2007**, 30, 409-417	3.8	7
13	A DDC-based capacity controller of a direct expansion (DX) air conditioning (A/C) unit for simultaneous indoor air temperature and humidity control Part II: Further development of the controller to improve control sensitivity. *International Journal of Refrigeration*, **2007**, 30, 124-133	3.8	33
12	Sizing room air conditioners used in sleeping environments in the subtropics. *Energy Conversion and Management*, **2006**, 47, 1851-1856	10.6	4
11	Development of a dynamic model for a DX VAV air conditioning system. *Energy Conversion and Management*, **2006**, 47, 2900-2924	10.6	34
10	The characteristics of space cooling load and indoor humidity control for residences in the subtropics. *Building and Environment*, **2006**, 41, 1137-1147	6.5	38
9	A simulation study on the operating performance of a solar air source heat pump water heater. *Applied Thermal Engineering*, **2006**, 26, 1257-1265	5.8	89
8	A questionnaire survey on sleeping thermal environment and bedroom air conditioning in high-rise residences in Hong Kong. *Energy and Buildings*, **2006**, 38, 1302-1307	7	71
7	A study on the performance of the airside heat exchanger under frosting in an air source heat pump water heater/chiller unit. *International Journal of Heat and Mass Transfer*, **2004**, 47, 3745-3756	4.9	113
6	A study on the characteristics of nighttime bedroom cooling load in tropics and subtropics. *Building and Environment*, **2004**, 39, 1101-1114	6.5	47
5	The outdoor air ventilation rate in high-rise residences employing room air conditioners. *Building and Environment*, **2003**, 38, 1389-1399	6.5	29
4	A numerical analysis of heat and mass transfer inside a reversibly used water cooling tower. *Building and Environment*, **2003**, 38, 91-97	6.5	40
3	Energy and water uses and their performance explanatory indicators in hotels in Hong Kong. *Energy and Buildings*, **2003**, 35, 775-784	7	69

2	A simulation study on a water chiller complete with a desuperheater and a reversibly used water cooling tower (RUWCT) for service hot water generation. *Building and Environment*, **2002**, 37, 741-751	6.5	14
1	A method for evaluating the heat and mass transfer characteristics in a reversibly used water cooling tower (RUWCT) for heat recovery. *International Journal of Refrigeration*, **2002**, 25, 552-561	3.8	29