

Zhang Lin

List of Publications by Year in Descending Order

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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.

173
papers

6,284
citations

45
h-index

72
g-index

179
ext. papers

7,537
ext. citations

6.2
avg, IF

6.38
L-index

#	Paper	IF	Citations
173	Index of ventilation effectiveness regarding energy performance considering cooling effect of air movement: Equivalent Thermal Utilization Effectiveness. <i>Building and Environment</i> , 2022 , 212, 108809	6.5	0
172	Coughed droplet dispersion pattern in hospital ward under stratum ventilation. <i>Building and Environment</i> , 2022 , 208, 108602	6.5	1
171	Extending effective draft temperature to cover full range of air velocity. <i>Building and Environment</i> , 2022 , 210, 108738	6.5	1
170	Dynamic modelling of air temperature in breathing zone with stratum ventilation using a pulsating air supply. <i>Building and Environment</i> , 2022 , 210, 108697	6.5	2
169	Contaminant removal and contaminant dispersion of air distribution for overall and local airborne infection risk controls.. <i>Science of the Total Environment</i> , 2022 , 155173	10.2	0
168	Probable cross-corridor transmission of SARS-CoV-2 due to cross airflows and its control.. <i>Building and Environment</i> , 2022 , 218, 109137	6.5	1
167	Predicting non-uniform indoor air quality distribution by using pulsating air supply and SVM model. <i>Building and Environment</i> , 2022 , 219, 109171	6.5	0
166	An improved algorithm of thermal index models based on ENVI-met. <i>Urban Climate</i> , 2022 , 44, 101190	6.8	0
165	Infection probability under different air distribution patterns. <i>Building and Environment</i> , 2021 , 207, 108565	6.5	2
164	Modelling indoor environment indicators using artificial neural network in the stratified environments. <i>Building and Environment</i> , 2021 , 208, 108581	6.5	1
163	Energy performance index of air distribution: Thermal utilization effectiveness. <i>Applied Energy</i> , 2021 , 307, 118122	10.7	6
162	Performance analysis of a novel dual heat source warm air heating system with ecofriendly refrigerants. <i>Building and Environment</i> , 2021 , 194, 107679	6.5	2
161	Dilution-based evaluation of airborne infection risk - Thorough expansion of Wells-Riley model. <i>Building and Environment</i> , 2021 , 194, 107674	6.5	18
160	A novel dual-temperature ejector-compression heat pump cycle - exergetic and economic analyses. <i>International Journal of Refrigeration</i> , 2021 , 126, 155-167	3.8	6
159	Optimization of configurative parameters of stratum ventilated heating for a sleeping environment. <i>Journal of Building Engineering</i> , 2021 , 38, 102167	5.2	1
158	4E analyses of novel dual-heat source/sink ejector-compression heat pump system. <i>Building and Environment</i> , 2021 , 196, 107787	6.5	2
157	Occupancy-aided ventilation for both airborne infection risk control and work productivity. <i>Building and Environment</i> , 2021 , 188, 107506	6.5	20

156	Predicted Mean Vote with skin wettedness from standard effective temperature model. <i>Building and Environment</i> , 2021 , 187, 107412	6.5	7
155	Investigation of outdoor thermal comfort prediction models in South China: A case study in Guangzhou. <i>Building and Environment</i> , 2021 , 188, 107424	6.5	15
154	Extended predicted mean vote of thermal adaptations reinforced around thermal neutrality. <i>Indoor Air</i> , 2021 , 31, 1227	5.4	5
153	Energy and exergy analyze of different air distributions in a residential building. <i>Energy and Buildings</i> , 2021 , 233, 110694	7	3
152	Novel demand-controlled optimization of constant-air-volume mechanical ventilation for indoor air quality, durability and energy saving. <i>Applied Energy</i> , 2021 , 293, 116954	10.7	7
151	Analyses of yearly performance dual-temperature warm air heating system applied in different climates. <i>Applied Thermal Engineering</i> , 2021 , 194, 117076	5.8	0
150	Experimental study on the control effect of different ventilation systems on fine particles in a simulated hospital ward. <i>Sustainable Cities and Society</i> , 2021 , 73, 103102	10.1	28
149	Performance analysis of a dual temperature heat pump based on ejector-vapor compression cycle. <i>Energy and Buildings</i> , 2021 , 248, 111194	7	4
148	Evaluation of sidewall air supply with the stratified indoor environment in a consultation room. <i>Sustainable Cities and Society</i> , 2021 , 75, 103328	10.1	1
147	Performance evaluation of mean radiant temperature calculated from inner surface temperatures of envelope with various emissivities. <i>Building and Environment</i> , 2021 , 206, 108334	6.5	0
146	Thermodynamic analysis of a novel dual-temperature air-source heat pump combined ejector with zeotropic mixture R1270/R600a. <i>Energy Conversion and Management</i> , 2020 , 220, 113078	10.6	10
145	Adaptive-rational thermal comfort model: Adaptive predicted mean vote with variable adaptive coefficient. <i>Indoor Air</i> , 2020 , 30, 1052-1062	5.4	8
144	Performance of stratum ventilated heating for sleeping environment. <i>Building and Environment</i> , 2020 , 180, 107072	6.5	4
143	Multi-parameter performance optimization for whole year operation of stratum ventilation in offices. <i>Applied Energy</i> , 2020 , 268, 114966	10.7	11
142	Multi-indicator evaluation on ventilation effectiveness of three ventilation methods: An experimental study. <i>Building and Environment</i> , 2020 , 180, 107015	6.5	9
141	Standard effective temperature based adaptive-rational thermal comfort model. <i>Applied Energy</i> , 2020 , 264, 114723	10.7	18
140	Extending Predicted Mean Vote using adaptive approach. <i>Building and Environment</i> , 2020 , 171, 106665	6.5	16
139	Coupled thermal comfort control of thermal condition profile of air distribution and thermal preferences. <i>Building and Environment</i> , 2020 , 177, 106867	6.5	7

138	Energy and Exergy Performances of Floor, Ceiling, Wall Radiator and Stratum Ventilation Heating Systems for Residential Buildings. <i>Energy and Buildings</i> , 2020 , 220, 110046	7	13
137	Improving predicted mean vote with inversely determined metabolic rate. <i>Sustainable Cities and Society</i> , 2020 , 53, 101870	10.1	32
136	Predicted Mean Vote with skin temperature from standard effective temperature model. <i>Building and Environment</i> , 2020 , 183, 107133	6.5	12
135	Reducing the exposure risk in hospital wards by applying stratum ventilation system. <i>Building and Environment</i> , 2020 , 183, 107204	6.5	20
134	A comparative experimental investigation on radiant floor heating system and stratum ventilation. <i>Sustainable Cities and Society</i> , 2020 , 52, 101823	10.1	26
133	Improved algorithm for adaptive coefficient of adaptive Predicted Mean Vote (aPMV). <i>Building and Environment</i> , 2019 , 163, 106318	6.5	17
132	Experimental investigation of thermal comfort with stratum ventilation using a pulsating air supply. <i>Building and Environment</i> , 2019 , 165, 106416	6.5	10
131	Heat removal efficiency of stratum ventilation for air-side modulation. <i>Applied Energy</i> , 2019 , 238, 1237-1249	10.7	15
130	Subzone control optimization of air distribution for thermal comfort and energy efficiency under cooling load uncertainty. <i>Applied Energy</i> , 2019 , 251, 113378	10.7	8
129	Robust evaluation method of thermal deviation of air distribution. <i>Building and Environment</i> , 2019 , 158, 217-225	6.5	8
128	A comparative experimental study on the performance of mixing ventilation and stratum ventilation for space heating. <i>Building and Environment</i> , 2019 , 157, 34-46	6.5	38
127	Multi-criteria performance optimization for operation of stratum ventilation under heating mode. <i>Applied Energy</i> , 2019 , 239, 969-980	10.7	33
126	Investigation on effect of indoor air distribution strategy on solar air-conditioning systems. <i>Renewable Energy</i> , 2019 , 131, 413-421	8.1	27
125	A review of advanced air distribution methods - theory, practice, limitations and solutions. <i>Energy and Buildings</i> , 2019 , 202, 109359	7	73
124	Exergy and energy analysis of a novel dual-chilling-source refrigerating system applied to temperature and humidity independent control. <i>Energy Conversion and Management</i> , 2019 , 197, 111875	10.6	20
123	Investigation into outdoor thermal comfort conditions by different seasonal field surveys in China, Guangzhou. <i>International Journal of Biometeorology</i> , 2019 , 63, 1357-1368	3.7	26
122	Dynamic sequential box modelling of inhalation exposure potential in multi-bed patient ward: Validation and baseline case studies. <i>Building and Environment</i> , 2019 , 161, 106241	6.5	2
121	Fully mixed air model based cooling load estimation method for both stratum ventilation and displacement ventilation. <i>Energy and Buildings</i> , 2019 , 199, 247-263	7	7

120	Subzone Control of Air Distribution to Improve Thermal Comfort and Energy Efficiency. <i>E3S Web of Conferences</i> , 2019 , 111, 02008	0.5	
119	Subzone control method of stratum ventilation for thermal comfort improvement. <i>Building and Environment</i> , 2019 , 149, 39-47	6.5	30
118	Systematic comparisons of exit air temperature and wall temperature for modelling non-uniform thermal environment of stratum ventilation. <i>Building and Environment</i> , 2019 , 149, 120-133	6.5	5
117	Effects of operation parameters on performances of stratum ventilation for heating mode. <i>Building and Environment</i> , 2019 , 148, 55-66	6.5	51
116	Equivalent room air temperature based cooling load estimation method for stratum ventilation and displacement ventilation. <i>Building and Environment</i> , 2019 , 148, 67-81	6.5	17
115	Investigation into the differences among several outdoor thermal comfort indices against field survey in subtropics. <i>Sustainable Cities and Society</i> , 2019 , 44, 676-690	10.1	79
114	Investigation into the thermal comfort of university students conducting outdoor training. <i>Building and Environment</i> , 2019 , 149, 26-38	6.5	28
113	Optimization on fresh outdoor air ratio of air conditioning system with stratum ventilation for both targeted indoor air quality and maximal energy saving. <i>Building and Environment</i> , 2019 , 147, 11-22	6.5	66
112	Field study on adaptive thermal comfort in typical air conditioned classrooms. <i>Building and Environment</i> , 2018 , 133, 73-82	6.5	49
111	Cooling load calculation methods in spaces with stratified air: A brief review and numerical investigation. <i>Energy and Buildings</i> , 2018 , 165, 47-55	7	26
110	Evaluation of a multi-nodal thermal regulation model for assessment of outdoor thermal comfort: Sensitivity to wind speed and solar radiation. <i>Building and Environment</i> , 2018 , 132, 45-56	6.5	47
109	Development of a nodal model for predicting the vertical temperature profile in a stratum-ventilated room. <i>Energy and Buildings</i> , 2018 , 159, 99-108	7	16
108	Heat removal efficiency based multi-node model for both stratum ventilation and displacement ventilation. <i>Building and Environment</i> , 2018 , 143, 24-35	6.5	24
107	Response-surface-model-based system sizing for Nearly/Net zero energy buildings under uncertainty. <i>Applied Energy</i> , 2018 , 228, 1020-1031	10.7	45
106	Potential of stratum ventilation to satisfy differentiated comfort requirements in multi-occupied zones. <i>Building and Environment</i> , 2018 , 143, 329-338	6.5	18
105	Pedestrian-level wind conditions in the space underneath lift-up buildings. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018 , 179, 58-69	3.7	25
104	Investigation into sensitivities of factors in outdoor thermal comfort indices. <i>Building and Environment</i> , 2018 , 128, 129-142	6.5	66
103	Modeling non-uniform thermal environment of stratum ventilation with supply and exit air conditions. <i>Building and Environment</i> , 2018 , 144, 542-554	6.5	27

102	Dynamic control of room air temperature for stratum ventilation based on heat removal efficiency: Method and experimental validations. <i>Building and Environment</i> , 2018 , 140, 107-118	6.5	38
101	Life cycle assessment for three ventilation methods. <i>Building and Environment</i> , 2017 , 116, 73-88	6.5	14
100	Optimizing the set generating temperature to improve the designed performance of an ejector cooling system with thermal pumping effect (ECSTPE). <i>Solar Energy</i> , 2017 , 157, 309-320	6.8	9
99	Optimization of room air temperature in stratum-ventilated rooms for both thermal comfort and energy saving. <i>Applied Energy</i> , 2017 , 204, 420-431	10.7	75
98	Evaluation of pedestrian wind comfort near lift-up buildings with different aspect ratios and central core modifications. <i>Building and Environment</i> , 2017 , 124, 245-257	6.5	42
97	Stratum ventilation is a low-carbon way to thermal comfort and indoor air quality. <i>International Journal of Low-Carbon Technologies</i> , 2016 ,	2.8	1
96	Experimental investigation into the interaction between the human body and room airflow and its effect on thermal comfort under stratum ventilation. <i>Indoor Air</i> , 2016 , 26, 274-85	5.4	48
95	An experimental investigation into stratum ventilation for the cooling of an office with asymmetrically distributed heat gains. <i>Building and Environment</i> , 2016 , 110, 76-88	6.5	41
94	Effects of temperature and supply airflow rate on thermal comfort in a stratum-ventilated room. <i>Building and Environment</i> , 2015 , 92, 269-277	6.5	54
93	An experimental investigation into the pull-down performances with different air distributions. <i>Applied Thermal Engineering</i> , 2015 , 91, 151-162	5.8	18
92	Performance investigation of a novel frost-free air-source heat pump water heater combined with energy storage and dehumidification. <i>Applied Energy</i> , 2015 , 139, 212-219	10.7	64
91	Experimental study of airflow characteristics of stratum ventilation in a multi-occupant room with comparison to mixing ventilation and displacement ventilation. <i>Indoor Air</i> , 2015 , 25, 662-71	5.4	60
90	A new method to assess spatial variations of outdoor thermal comfort: Onsite monitoring results and implications for precinct planning. <i>Building and Environment</i> , 2015 , 91, 263-270	6.5	101
89	Experimental Study of Influence of Movements on Airflow Under Stratum Ventilation. <i>Energy Procedia</i> , 2015 , 78, 1207-1211	2.3	0
88	Technical feasibility of a stratum-ventilated room for multiple rows of occupants. <i>Building and Environment</i> , 2015 , 94, 580-592	6.5	22
87	Acceptance of thermal conditions and energy use of three ventilation strategies with six exhaust configurations for the classroom. <i>Building and Environment</i> , 2015 , 94, 606-619	6.5	29
86	An experimental study of the influence of a walking occupant on three air distribution methods. <i>Building and Environment</i> , 2015 , 85, 211-219	6.5	12
85	Experimental study of the influence of a moving manikin on temperature profile and carbon dioxide distribution under three air distribution methods. <i>Building and Environment</i> , 2015 , 87, 142-153	6.5	14

84	Experimental Study on Energy Consumption and Hydraulic Stability for Distributed Pumping System. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 6883-6894		1
83	An investigation into the performance of fabric diffusers used in stratum ventilation. <i>Building and Environment</i> , 2014 , 81, 103-111	6.5	12
82	An experimental and numerical study on the effect of air terminal layout on the performance of stratum ventilation. <i>Building and Environment</i> , 2014 , 82, 75-86	6.5	29
81	An experimental and numerical study on the effect of air terminal types on the performance of stratum ventilation. <i>Building and Environment</i> , 2014 , 82, 431-441	6.5	22
80	Experimental analysis on a novel frost-free air-source heat pump water heater system. <i>Applied Thermal Engineering</i> , 2014 , 70, 808-816	5.8	39
79	Uniformity of stratum-ventilated thermal environment and thermal sensation. <i>Indoor Air</i> , 2014 , 24, 521-524	3.4	42
78	Year-round energy saving potential of stratum ventilated classrooms with temperature and humidity control. <i>HVAC and R Research</i> , 2013 , 19, 986-991		22
77	Numerical comparison of dispersion of human exhaled droplets under different ventilation methods. <i>World Review of Science, Technology and Sustainable Development</i> , 2013 , 10, 142	1	17
76	Analysis of a solar assisted heat pump system for indoor swimming pool water and space heating. <i>Applied Energy</i> , 2012 , 100, 309-317	10.7	70
75	Investigation into anti-airborne infection performance of stratum ventilation. <i>Building and Environment</i> , 2012 , 54, 29-38	6.5	39
74	A Case Study of the Energy Saving Potential of Stratum Ventilation. <i>International Journal of Ventilation</i> , 2011 , 9, 329-336	1.1	4
73	Evaluation of thermal comfort conditions in a classroom with three ventilation methods. <i>Indoor Air</i> , 2011 , 21, 231-9	5.4	80
72	Comparison of annual energy performances with different ventilation methods for temperature and humidity control. <i>Energy and Buildings</i> , 2011 , 43, 3599-3608	7	15
71	Thermal characteristics of water-flow double-pane window. <i>International Journal of Thermal Sciences</i> , 2011 , 50, 140-148	4.1	77
70	Analytical analysis for large-amplitude oscillation of a rotational pendulum system. <i>Applied Mathematics and Computation</i> , 2011 , 217, 6115-6124	2.7	12
69	Experimental and numerical study of room airflow under stratum ventilation. <i>Building and Environment</i> , 2011 , 46, 235-244	6.5	27
68	The impact of temperature on mean local air age and thermal comfort in a stratum ventilated office. <i>Building and Environment</i> , 2011 , 46, 501-510	6.5	39
67	The function of solar absorbing window as water-heating device. <i>Building and Environment</i> , 2011 , 46, 955-960	6.5	58

66	Experimental investigation of thermal and ventilation performances of stratum ventilation. <i>Building and Environment</i> , 2011 , 46, 1309-1320	6.5	53
65	Effective draft temperature for evaluating the performance of stratum ventilation. <i>Building and Environment</i> , 2011 , 46, 1843-1850	6.5	25
64	Performance evaluation and design guidelines for stratum ventilation. <i>Building and Environment</i> , 2011 , 46, 2267-2279	6.5	49
63	Solar hybrid cooling system for high-tech offices in subtropical climate [Radiant cooling by absorption refrigeration and desiccant dehumidification. <i>Energy Conversion and Management</i> , 2011 , 52, 2883-2894	10.6	62
62	Comparison of annual energy performances with different ventilation methods for cooling. <i>Energy and Buildings</i> , 2011 , 43, 130-136	7	85
61	Application potential of solar air-conditioning systems for displacement ventilation. <i>Energy and Buildings</i> , 2011 , 43, 2068-2076	7	11
60	Stratum Ventilation for a Workshop under Elevated Indoor Temperature. <i>International Journal of Ventilation</i> , 2010 , 9, 47-57	1.1	2
59	Modeling and application of direct-expansion solar-assisted heat pump for water heating in subtropical Hong Kong. <i>Applied Energy</i> , 2010 , 87, 643-649	10.7	92
58	Dynamic motion of whirling rods with Coriolis effect. <i>Applied Mathematical Modelling</i> , 2010 , 34, 1203-1216	1.5	1
57	Simulation optimization of solar-assisted desiccant cooling system for subtropical Hong Kong. <i>Applied Thermal Engineering</i> , 2010 , 30, 220-228	5.8	36
56	Thermal sensation of Hong Kong people with increased air speed, temperature and humidity in air-conditioned environment. <i>Building and Environment</i> , 2010 , 45, 2177-2183	6.5	86
55	Solar hybrid air-conditioning system for high temperature cooling in subtropical city. <i>Renewable Energy</i> , 2010 , 35, 2439-2451	8.1	46
54	Advancement of solar desiccant cooling system for building use in subtropical Hong Kong. <i>Energy and Buildings</i> , 2010 , 42, 2386-2399	7	79
53	Comparative study of different solar cooling systems for buildings in subtropical city. <i>Solar Energy</i> , 2010 , 84, 227-244	6.8	167
52	Innovative solar windows for cooling-demand climate. <i>Solar Energy Materials and Solar Cells</i> , 2010 , 94, 212-220	6.4	161
51	Effect of neutral temperature on energy saving of centralized air-conditioning systems in subtropical Hong Kong. <i>Applied Thermal Engineering</i> , 2010 , 30, 1659-1665	5.8	21
50	Comparison of gaseous contaminant diffusion under stratum ventilation and under displacement ventilation. <i>Building and Environment</i> , 2010 , 45, 2035-2046	6.5	62
49	Thermal performance of natural airflow window in subtropical and temperate climate zones [A comparative study. <i>Energy Conversion and Management</i> , 2009 , 50, 1884-1890	10.6	43

48	Experimental evaluation of ventilated glazing performance in Hong Kong. <i>International Journal of Energy Research</i> , 2009 , 33, 526-537	4.5	6
47	Energy and exergy analysis of photovoltaic thermal collector with and without glass cover. <i>Applied Energy</i> , 2009 , 86, 310-316	10.7	368
46	Annual performance of building-integrated photovoltaic/water-heating system for warm climate application. <i>Applied Energy</i> , 2009 , 86, 689-696	10.7	106
45	Investigation on energy performance of double skin façade in Hong Kong. <i>Energy and Buildings</i> , 2009 , 41, 1135-1142	7	134
44	Effect of internal partitions on the performance of under floor air supply ventilation in a typical office environment. <i>Building and Environment</i> , 2009 , 44, 534-545	6.5	30
43	Stratum ventilation – A potential solution to elevated indoor temperatures. <i>Building and Environment</i> , 2009 , 44, 2256-2269	6.5	77
42	Numerical study of Indoor Air Quality and thermal comfort under stratum ventilation. <i>Progress in Computational Fluid Dynamics</i> , 2008 , 8, 541	0.7	23
41	Complete function collocation method for solving preliminary cable-stayed bridge pretension forces. <i>Bridge Structures</i> , 2008 , 4, 59-74	0.7	1
40	Computer modeling and experimental validation of a building-integrated photovoltaic and water heating system. <i>Applied Thermal Engineering</i> , 2008 , 28, 1356-1364	5.8	55
39	Effect of Ventilation System on Smoke and Fire Spread in a Public Transport Interchange. <i>Fire Technology</i> , 2008 , 44, 463-479	3	3
38	Simulation of cross-flow-induced vibration of tube bundle by surface vorticity method. <i>Frontiers of Energy and Power Engineering in China</i> , 2008 , 2, 243-248		
37	Eulerian and Lagrangian formulations of steady rotating annuli. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2008 , 88, 874-887	1	
36	Performance evaluation of a PV ventilated window applying to office building of Hong Kong. <i>Energy and Buildings</i> , 2007 , 39, 643-650	7	107
35	Role of ventilation in airborne transmission of infectious agents in the built environment - a multidisciplinary systematic review. <i>Indoor Air</i> , 2007 , 17, 2-18	5.4	585
34	Direct numerical simulation on the pyrolysis of materials with volatile residue layer. <i>Applied Mathematical Modelling</i> , 2007 , 31, 770-779	4.5	2
33	Effect of door opening on the performance of displacement ventilation in a typical office building. <i>Building and Environment</i> , 2007 , 42, 1335-1347	6.5	18
32	CFD analysis of ventilation effectiveness in a public transport interchange. <i>Building and Environment</i> , 2006 , 41, 254-261	6.5	25
31	Generation of a typical meteorological year for Hong Kong. <i>Energy Conversion and Management</i> , 2006 , 47, 87-96	10.6	168

30	Assessment of alternative ventilation schemes at public transport interchange. <i>Transportation Research, Part D: Transport and Environment</i> , 2006 , 11, 447-458	6.4	6
29	Conversion of operating theatre from positive to negative pressure environment. <i>Journal of Hospital Infection</i> , 2006 , 64, 371-8	6.9	67
28	The Integrated Effect of Medical Lamp Position and Diffuser Discharge Velocity on Ultra-clean Ventilation Performance in an Operating Theatre. <i>Indoor and Built Environment</i> , 2006 , 15, 315-331	1.8	49
27	Effects of Headroom on the Performance of the Displacement Ventilation System. <i>Indoor and Built Environment</i> , 2006 , 15, 333-346	1.8	6
26	Validation of a CFD Model for Research into Stratum Ventilation. <i>International Journal of Ventilation</i> , 2006 , 5, 345-363	1.1	17
25	A computer evaluation of ventilation performance in a negative-pressure operating theater. <i>Anesthesia and Analgesia</i> , 2006 , 103, 913-8	3.9	6
24	Performance evaluation of district cooling plant with ice storage. <i>Energy</i> , 2006 , 31, 2750-2762	7.9	63
23	Potential application of a centralized solar water-heating system for a high-rise residential building in Hong Kong. <i>Applied Energy</i> , 2006 , 83, 42-54	10.7	59
22	Use of ventilated solar screen window in warm climate. <i>Applied Thermal Engineering</i> , 2006 , 26, 1910-1918	3.8	39
21	Some perceptions on typical weather year from the observations of Hong Kong and Macau. <i>Solar Energy</i> , 2006 , 80, 459-467	6.8	38
20	Validation of CFD Model for Research into Displacement Ventilation. <i>Architectural Science Review</i> , 2005 , 48, 305-316	2.6	19
19	A Partial Differential Model for the Pyrolysis of Materials with Movable Residual Layer. <i>Mechanics of Advanced Materials and Structures</i> , 2005 , 12, 77-83	1.8	
18	Comparison of performances of displacement and mixing ventilations. Part I: thermal comfort. <i>International Journal of Refrigeration</i> , 2005 , 28, 276-287	3.8	43
17	Comparison of performances of displacement and mixing ventilations. Part II: indoor air quality. <i>International Journal of Refrigeration</i> , 2005 , 28, 288-305	3.8	59
16	CFD study on effect of the air supply location on the performance of the displacement ventilation system. <i>Building and Environment</i> , 2005 , 40, 1051-1067	6.5	56
15	Hong Kong solar radiation on building facades evaluated by numerical models. <i>Applied Thermal Engineering</i> , 2005 , 25, 1908-1921	5.8	24
14	Effect of Air Supply Temperature on the Performance of Displacement Ventilation (Part I) - Thermal Comfort. <i>Indoor and Built Environment</i> , 2005 , 14, 103-115	1.8	17
13	ANN Model of a Direct-Fired Absorption Chiller System for Energy Evaluation. <i>International Journal of Modelling and Simulation</i> , 2003 , 23, 52-59	1.5	

12	Placement of condensing units of split-type air-conditioners at low-rise residences. <i>Applied Thermal Engineering</i> , 2002 , 22, 1431-1444	5.8	25
11	Effect of condensing unit layout at building re-entrant on split-type air-conditioner performance. <i>Energy and Buildings</i> , 2002 , 34, 237-244	7	19
10	Global optimization of absorption chiller system by genetic algorithm and neural network. <i>Energy and Buildings</i> , 2002 , 34, 103-109	7	211
9	Effect of Condensing Unit Operation on Kitchen Exhaust at Residential Tower. <i>Architectural Science Review</i> , 2002 , 45, 3-11	2.6	4
8	Flow analysis of condenser cooling air delivery via building light well. <i>Applied Thermal Engineering</i> , 2001 , 21, 831-843	5.8	8
7	Effect of building re-entrant shape on performance of air-cooled condensing units. <i>Energy and Buildings</i> , 2000 , 32, 143-152	7	28
6	Applying CFD Simulation in Analysing Split-type Air- conditioner Performance at Buildings. <i>Architectural Science Review</i> , 2000 , 43, 133-140	2.6	7
5	An Experimental Investigation of Natural Convection in a Cubic Inclined Enclosure With Multiple Isolated Plates. <i>Journal of Heat Transfer</i> , 2000 , 122, 176-179	1.8	
4	Prediction of on-coil temperature of condensers installed at tall building re-entrant. <i>Applied Thermal Engineering</i> , 1999 , 19, 117-132	5.8	26
3	A simple method for prediction of chilling times for objects of two-dimensional irregular shape. <i>International Journal of Refrigeration</i> , 1996 , 19, 95-106	3.8	17
2	A simple method for prediction of chilling times: extension to three-dimensional irregular shapes. <i>International Journal of Refrigeration</i> , 1996 , 19, 107-114	3.8	22
1	Dilution-based Evaluation of Airborne Infection Risk - Thorough Expansion of Wells-Riley Model		2