

# Wai Ling Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

1,903  
citations

236925

25  
h-index

289244

40  
g-index

81  
all docs

81  
docs citations

81  
times ranked

1508  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using revised ADPIs to identify an optimum positioning for installation of reversible room air-conditioners in bedroom for maximum thermal comfort. <i>Building and Environment</i> , 2021, 188, 107333.	6.9	13
2	Probabilistic assessment of overcooling risk for a novel extra-low temperature dedicated outdoor air system for Hong Kong office buildings. <i>Building Simulation</i> , 2021, 14, 633-648.	5.6	3
3	Evaluating the effectiveness of transom window in reducing cooling energy use in high-rise residential buildings in Hong Kong. <i>Journal of Building Engineering</i> , 2021, 35, 102007.	3.4	2
4	Can reversible room air-conditioner be used for combined space and domestic hot water heating in subtropical dwellings? Techno-economic evidence from Hong Kong. <i>Energy</i> , 2021, 223, 119911.	8.8	4
5	Developing an integrated part load value for chillers of office buildings in Hong Kong. <i>International Journal of Refrigeration</i> , 2021, 129, 139-152.	3.4	5
6	Influence of window opening degree on natural ventilation performance of residential buildings in Hong Kong. <i>Science and Technology for the Built Environment</i> , 2020, 26, 28-41.	1.7	16
7	Evaluating the influence of transom window designs on natural ventilation in high-rise residential buildings in Hong Kong. <i>Sustainable Cities and Society</i> , 2020, 62, 102406.	10.4	22
8	Constant-temperature thermal response test (TRT) with both heat injection and extraction for ground source heat pump systems: Methodology and a case study. <i>Energy Procedia</i> , 2019, 158, 797-802.	1.8	0
9	Field demonstration of a first constant-temperature thermal response test with both heat injection and extraction for ground source heat pump systems. <i>Applied Energy</i> , 2019, 249, 79-86.	10.1	19
10	Barriers to Adoption of Water-Saving Habits in Residential Buildings in Hong Kong. <i>Sustainability</i> , 2019, 11, 2036.	3.2	2
11	Using response surface regression method to evaluate the influence of window types on ventilation performance of Hong Kong residential buildings. <i>Building and Environment</i> , 2019, 154, 167-181.	6.9	30
12	The influence of sleeping habits on cooling energy use in residential sector in Hong Kong. <i>Building and Environment</i> , 2018, 132, 205-213.	6.9	4
13	The rising energy efficiency of office buildings in Hong Kong. <i>Energy and Buildings</i> , 2018, 166, 296-304.	6.7	19
14	Exergy Analyses and Modelling of a Novel Extra-Low Temperature Dedicated Outdoor Air System. <i>Energies</i> , 2018, 11, 1165.	3.1	4
15	Applying a novel extra-low temperature dedicated outdoor air system for humidity control and energy efficiency. <i>Science and Technology for the Built Environment</i> , 2017, 23, 16-29.	1.7	3
16	Identifying the Gaps in Practice for Combating Lead in Drinking Water in Hong Kong. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 970.	2.6	15
17	Drivers of moderate increase in cooling energy use in residential buildings in Hong Kong. <i>Energy and Buildings</i> , 2016, 125, 19-26.	6.7	14
18	Applying a novel extra-low temperature dedicated outdoor air system in office buildings for energy efficiency and thermal comfort. <i>Energy Conversion and Management</i> , 2016, 121, 162-173.	9.2	27

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19	Analysis of an air-cooled chiller replacement project using a probabilistic approach for energy performance contracts. Applied Energy, 2016, 171, 415-428.	10.1	16
20	Performance of a dry cooling and dedicated ventilation system under different operating conditions. Indoor and Built Environment, 2016, 25, 651-658.	2.8	2
21	Experimental investigations on the use of capillary tube and thermostatic expansion valve in storage-enhanced heat recovery room air-conditioner. Energy and Buildings, 2015, 101, 76-83.	6.7	10
22	Risks in Energy Performance Contracting (EPC) projects. Energy and Buildings, 2015, 92, 116-127.	6.7	82
23	Experimental study of the application of intermittently operated SEHRAC (storage-enhanced heat recovery room air-conditioner) in high-rise residential buildings. Energy and Buildings, 2015, 101, 107-114.	8.8	5
24	Identifying the most influential parameter affecting natural ventilation performance in high-rise high-density residential buildings. Indoor and Built Environment, 2015, 24, 803-812.	2.8	21
25	Experimental investigations on using phase change material for performance improvement of storage-enhanced heat recovery room air-conditioner. Energy, 2015, 93, 1394-1403.	8.8	25
26	Energy assessment of office buildings in China using China building energy codes and LEED 2.2. Energy and Buildings, 2015, 86, 514-524.	6.7	31
27	Condensation risk of DCDV system for hot and humid Hong Kong. Indoor and Built Environment, 2014, 23, 814-822.	2.8	7
28	Applying storage-enhanced heat recovery room air-conditioner (SEHRAC) for domestic water heating in residential buildings in Hong Kong. Energy and Buildings, 2014, 78, 132-142.	6.7	28
29	Development of price models for architectural and environmental quality for residential developments in Hong Kong. Habitat International, 2014, 44, 186-193.	5.8	8
30	Site verification and modeling of desiccant-based system as an alternative to conventional air-conditioning systems for wet markets. Energy, 2013, 55, 1076-1083.	8.8	33
31	Experimental study of performance of a dry cooling and dedicated ventilation (DCDV) system under different space cooling load conditions. Energy Conversion and Management, 2013, 73, 158-166.	9.2	13
32	A comprehensive review of metrics of building environmental assessment schemes. Energy and Buildings, 2013, 62, 403-413.	6.7	117
33	Energy assessment of office buildings in China using LEED 2.2 and BEAM Plus 1.1. Energy and Buildings, 2013, 63, 129-137.	6.7	17
34	A portrait of building services engineers in Hong Kong. Engineering, Construction and Architectural Management, 2013, 20, 63-82.	3.1	6
35	The Influence of Surrounding Buildings on the Natural Ventilation Performance of Residential Dwellings in Hong Kong. International Journal of Ventilation, 2012, 11, 297-310.	0.4	12
36	A Delphi study on building services engineers' core competence and statutory role in Hong Kong. Journal of Facilities Management, 2012, 10, 26-44.	1.8	8

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37	Developing a simplified parameter for assessing view obstruction in high-rise high-density urban environment. <i>Habitat International</i> , 2012, 36, 414-422.	5.8	6
38	Benchmarking energy use of building environmental assessment schemes. <i>Energy and Buildings</i> , 2012, 45, 326-334.	6.7	62
39	Decoupling dehumidification and cooling for energy saving and desirable space air conditions in hot and humid Hong Kong. <i>Energy Conversion and Management</i> , 2012, 53, 230-239.	9.2	37
40	Identifying a common parameter for assessing the impact of traffic-induced noise and air pollutions on residential premises in Hong Kong. <i>Habitat International</i> , 2011, 35, 231-237.	5.8	9
41	Evaluating the Influence of Window Types on the Natural Ventilation Performance of Residential Buildings in Hong Kong. <i>International Journal of Ventilation</i> , 2011, 10, 227-238.	0.4	12
42	Evaluating the use heat pipe for dedicated ventilation of office buildings in Hong Kong. <i>Energy Conversion and Management</i> , 2011, 52, 1983-1989.	9.2	33
43	Evaluating the influence of openings configuration on natural ventilation performance of residential units in Hong Kong. <i>Building and Environment</i> , 2011, 46, 961-969.	6.9	105
44	Operation and maintenance. <i>Journal of Facilities Management</i> , 2010, 8, 130-142.	1.8	9
45	Performance modelling of air-cooled twin-circuit screw chiller. <i>Applied Thermal Engineering</i> , 2010, 30, 1179-1187.	6.0	5
46	Combined space cooling and water heating system for Hong Kong residences. <i>Energy and Buildings</i> , 2010, 42, 243-250.	6.7	22
47	Evaluating Factors Affecting Wind Ventilation Performance Inside Pedestrian Zone Located within Dense Residential Estates in Hong Kong. , 2009, , .		0
48	The use of helical heat exchanger for heat recovery domestic water-cooled air-conditioners. <i>Energy Conversion and Management</i> , 2009, 50, 240-246.	9.2	27
49	Locating room air-conditioners at floor level for energy saving in residential buildings. <i>Energy Conversion and Management</i> , 2009, 50, 2009-2019.	9.2	24
50	Optimized design of floor-based air-conditioners for residential use. <i>Building and Environment</i> , 2009, 44, 2080-2088.	6.9	21
51	Benchmarking energy use assessment of HK-BEAM, BREEAM and LEED. <i>Building and Environment</i> , 2008, 43, 1882-1891.	6.9	154
52	Modeling the performance characteristics of water-cooled air-conditioners. <i>Energy and Buildings</i> , 2008, 40, 1456-1465.	6.7	16
53	Benchmarking Hong Kong and China energy codes for residential buildings. <i>Energy and Buildings</i> , 2008, 40, 1628-1636.	6.7	70
54	Applying water cooled air conditioners in residential buildings in Hong Kong. <i>Energy Conversion and Management</i> , 2008, 49, 1416-1423.	9.2	33

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55	Assessing energy performance in the latest versions of Hong Kong Building Environmental Assessment Method (HK-BEAM). Energy and Buildings, 2007, 39, 343-354.	6.7	38
56	Developing a simplified model for evaluating chiller-system configurations. Applied Energy, 2007, 84, 290-306.	10.1	21
57	Customization of GBTool in Hong Kong. Building and Environment, 2006, 41, 1831-1846.	6.9	46
58	On the study of the impact of relaxing the pre-qualification requirements on the competitiveness in the supply of water pumps. Building and Environment, 2005, 40, 213-219.	6.9	2
59	Rebate as an economic instrument for promoting building energy efficiency in Hong Kong. Building and Environment, 2005, 40, 1207-1216.	6.9	4
60	Willingness to Pay for Improved Environmental Performance of the Building Envelope of Office Buildings in Hong Kong. Indoor and Built Environment, 2005, 14, 147-156.	2.8	7
61	Green Buildings: How Green the Label?. HKIE Transactions, 2005, 12, 1-8.	0.1	5
62	An Economic Evaluation of Policy Instruments for Enhancing Building Energy Efficiency. HKIE Transactions, 2004, 11, 56-63.	0.1	0
63	Assessing the benefit and cost for a voluntary indoor air quality certification scheme in Hong Kong. Science of the Total Environment, 2004, 320, 89-107.	8.0	4
64	Regulatory and voluntary approaches for enhancing building energy efficiency. Progress in Energy and Combustion Science, 2004, 30, 477-499.	31.2	126
65	Partnership in building energy performance contracting. Building Research and Information, 2004, 32, 235-243.	3.9	35
66	Monitoring the competitiveness in the supply of low-voltage switchboards. Building and Environment, 2003, 38, 787-793.	6.9	2
67	A strategy for prioritising interactive measures for enhancing energy efficiency of air-conditioned buildings. Energy, 2003, 28, 877-893.	8.8	16
68	The Key Issues to the Development of a Performance-based Building Energy Code for Hong Kong. HKIE Transactions, 2002, 9, 50-55.	0.1	1
69	Building energy efficiency and the remuneration of operation and maintenance personnel. Facilities, 2002, 20, 406-413.	1.6	22
70	A Preliminary Inquiry into Why Buildings Remain Energy Inefficient and the Potential Remedy. HKIE Transactions, 2002, 9, 32-36.	0.1	10
71	On the study of the credit-weighting scale in a building environmental assessment scheme. Building and Environment, 2002, 37, 1385-1396.	6.9	61
72	Regulatory and voluntary approaches for enhancing energy efficiencies of buildings in Hong Kong. Applied Energy, 2002, 71, 251-274.	10.1	38

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73	Framework for formulating a performance-based incentive-rebate scale for the demand-side-energy management scheme for commercial buildings in Hong Kong. Applied Energy, 2002, 73, 139-166.	10.1	22
74	Energy saving by realistic design data for commercial buildings in Hong Kong. Applied Energy, 2001, 70, 59-75.	10.1	30
75	Establishing Energy Consumption Benchmarks for Commercial Complexes in Hong Kong. HKIE Transactions, 2001, 8, 40-47.	0.1	1
76	Assessing the cost effectiveness of an environmental assessment scheme. Building and Environment, 2000, 35, 307-320.	6.9	30
77	Towards a successful voluntary building environmental assessment scheme. Construction Management and Economics, 2000, 18, 959-968.	3.0	13
78	Chiller Plant Sizing by Cooling Load Simulation as a Means to Avoid Oversized Plant. HKIE Transactions, 1999, 6, 19-25.	0.1	12
79	Eco-labeling scheme for buildings in Hong Kong. Facilities, 1999, 17, 120-126.	1.6	6
80	Energy performance criteria in the Hong Kong building environmental assessment method. Energy and Buildings, 1998, 27, 207-219.	6.7	44