Wai Ling Lee

List of Publications by Year
in descending order

80	1,903	236925 25	289244 40
papers	citations	h-index	g-index

81	81	81	1508
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Benchmarking energy use assessment of HK-BEAM, BREEAM and LEED. Building and Environment, 2008, 43, 1882-1891.	6.9	154
2	Regulatory and voluntary approaches for enhancing building energy efficiency. Progress in Energy and Combustion Science, 2004, 30, 477-499.	31.2	126
3	A comprehensive review of metrics of building environmental assessment schemes. Energy and Buildings, 2013, 62, 403-413.	6.7	117
4	Evaluating the influence of openings configuration on natural ventilation performance of residential units in Hong Kong. Building and Environment, 2011, 46, 961-969.	6.9	105
5	Risks in Energy Performance Contracting (EPC) projects. Energy and Buildings, 2015, 92, 116-127.	6.7	82
6	Benchmarking Hong Kong and China energy codes for residential buildings. Energy and Buildings, 2008, 40, 1628-1636.	6.7	70
7	Benchmarking energy use of building environmental assessment schemes. Energy and Buildings, 2012, 45, 326-334.	6.7	62
8	On the study of the credit-weighting scale in a building environmental assessment scheme. Building and Environment, 2002, 37, 1385-1396.	6.9	61
9	Customization of GBTool in Hong Kong. Building and Environment, 2006, 41, 1831-1846.	6.9	46
10	Energy performance criteria in the Hong Kong building environmental assessment method. Energy and Buildings, 1998, 27, 207-219.	6.7	44
11	Regulatory and voluntary approaches for enhancing energy efficiencies of buildings in Hong Kong. Applied Energy, 2002, 71, 251-274.	10.1	38
12	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
13	Decoupling dehumidification and cooling for energy saving and desirable space air conditions in hot and humid Hong Kong. Energy Conversion and Management, 2012, 53, 230-239.	9.2	37
14	Partnership in building energy performance contracting. Building Research and Information, 2004, 32, 235-243.	3.9	35
15	Applying water cooled air conditioners in residential buildings in Hong Kong. Energy Conversion and Management, 2008, 49, 1416-1423.	9.2	33
16	Evaluating the use heat pipe for dedicated ventilation of office buildings in Hong Kong. Energy Conversion and Management, 2011, 52, 1983-1989.	9.2	33
17	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
18	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

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19	Assessing the cost effectiveness of an environmental assessment scheme. Building and Environment, 2000, 35, 307-320.	6.9	30
20	Energy saving by realistic design data for commercial buildings in Hong Kong. Applied Energy, 2001, 70, 59-75.	10.1	30
21	Using response surface regression method to evaluate the influence of window types on ventilation performance of Hong Kong residential buildings. Building and Environment, 2019, 154, 167-181.	6.9	30
22	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
23	The use of helical heat exchanger for heat recovery domestic water-cooled air-conditioners. Energy Conversion and Management, 2009, 50, 240-246.	9.2	27
24	Applying a novel extra-low temperature dedicated outdoor air system in office buildings for energy efficiency and thermal comfort. Energy Conversion and Management, 2016, 121, 162-173.	9.2	27
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	Locating room air-conditioners at floor level for energy saving in residential buildings. Energy Conversion and Management, 2009, 50, 2009-2019.	9.2	24
27	Building energy efficiency and the remuneration of operation and maintenance personnel. Facilities, 2002, 20, 406-413.	1.6	22
28	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
29	Combined space cooling and water heating system for Hong Kong residences. Energy and Buildings, 2010, 42, 243-250.	6.7	22
30	Evaluating the influence of transom window designs on natural ventilation in high-rise residential buildings in Hong Kong. Sustainable Cities and Society, 2020, 62, 102406.	10.4	22
31	Developing a simplified model for evaluating chiller-system configurations. Applied Energy, 2007, 84, 290-306.	10.1	21
32	Optimized design of floor-based air-conditioners for residential use. Building and Environment, 2009, 44, 2080-2088.	6.9	21
33	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
34	The rising energy efficiency of office buildings in Hong Kong. Energy and Buildings, 2018, 166, 296-304.	6.7	19
35	Field demonstration of a first constant-temperature thermal response test with both heat injection and extraction for ground source heat pump systems. Applied Energy, 2019, 249, 79-86.	10.1	19
36	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

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37	A strategy for prioritising interactive measures for enhancing energy efficiency of air-conditioned buildings. Energy, 2003, 28, 877-893.	8.8	16
38	Modeling the performance characteristics of water-cooled air-conditioners. Energy and Buildings, 2008, 40, 1456-1465.	6.7	16
39	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
40	Influence of window opening degree on natural ventilation performance of residential buildings in Hong Kong. Science and Technology for the Built Environment, 2020, 26, 28-41.	1.7	16
41	Identifying the Gaps in Practice for Combating Lead in Drinking Water in Hong Kong. International Journal of Environmental Research and Public Health, 2016, 13, 970.	2.6	15
42	Drivers of moderate increase in cooling energy use in residential buildings in Hong Kong. Energy and Buildings, 2016, 125, 19-26.	6.7	14
43	Towards a successful voluntary building environmental assessment scheme. Construction Management and Economics, 2000, 18, 959-968.	3.0	13
44	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
45	Using revised ADPIs to identify an optimum positioning for installation of reversible room air-conditioners in bedroom for maximum thermal comfort. Building and Environment, 2021, 188, 107333.	6.9	13
46	Chiller Plant Sizing by Cooling Load Simulation as a Means to Avoid Oversized Plant. HKIE Transactions, 1999, 6, 19-25.	0.1	12
47	Evaluating the Influence of Window Types on the Natural Ventilation Performance of Residential Buildings in Hong Kong. International Journal of Ventilation, 2011, 10, 227-238.	0.4	12
48	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
49	A Preliminary Inquiry into Why Buildings Remain Energy Inefficient and the Potential Remedy. HKIE Transactions, 2002, 9, 32-36.	0.1	10
50	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
51	Operation and maintenance. Journal of Facilities Management, 2010, 8, 130-142.	1.8	9
52	Identifying a common parameter for assessing the impact of traffic-induced noise and air pollutions on residential premises in Hong Kong. Habitat International, 2011, 35, 231-237.	5.8	9
53	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
54	Development of price models for architectural and environmental quality for residential developments in Hong Kong. Habitat International, 2014, 44, 186-193.	5.8	8

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55	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
56	Condensation risk of DCDV system for hot and humid Hong Kong. Indoor and Built Environment, 2014, 23, 814-822.	2.8	7
57	Ecoâ€labelling scheme for buildings in Hong Kong. Facilities, 1999, 17, 120-126.	1.6	6
58	Developing a simplified parameter for assessing view obstruction in high-rise high-density urban environment. Habitat International, 2012, 36, 414-422.	5.8	6
59	A portrait of building services engineers in Hong Kong. Engineering, Construction and Architectural Management, 2013, 20, 63-82.	3.1	6
60	Green Buildings: How Green the Label?. HKIE Transactions, 2005, 12, 1-8.	0.1	5
61	Performance modelling of air-cooled twin-circuit screw chiller. Applied Thermal Engineering, 2010, 30, 1179-1187.	6.0	5
62	Experimental study of the application of intermittently operated SEHRAC (storage-enhanced heat) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	8.8	5
63	Developing an integrated part load value for chillers of office buildings in Hong Kong. International Journal of Refrigeration, 2021, 129, 139-152.	3.4	5
64	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
65	Rebate as an economic instrument for promoting building energy efficiency in Hong Kong. Building and Environment, 2005, 40, 1207-1216.	6.9	4
66	The influence of sleeping habits on cooling energy use in residential sector in Hong Kong. Building and Environment, 2018, 132, 205-213.	6.9	4
67	Exergy Analyses and Modelling of a Novel Extra-Low Temperature Dedicated Outdoor Air System. Energies, 2018, 11, 1165.	3.1	4
68	Can reversible room air-conditioner be used for combined space and domestic hot water heating in subtropical dwellings? Techno-economic evidence from Hong Kong. Energy, 2021, 223, 119911.	8.8	4
69	Applying a novel extra-low temperature dedicated outdoor air system for humidity control and energy efficiency. Science and Technology for the Built Environment, 2017, 23, 16-29.	1.7	3
70	Probabilistic assessment of overcooling risk for a novel extra-low temperature dedicated outdoor air system for Hong Kong office buildings. Building Simulation, 2021, 14, 633-648.	5.6	3
71	Monitoring the competitiveness in the supply of low-voltage switchboards. Building and Environment, 2003, 38, 787-793.	6.9	2
72	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

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73	Performance of a dry cooling and dedicated ventilation system under different operating conditions. Indoor and Built Environment, 2016, 25, 651-658.	2.8	2
74	Barriers to Adoption of Water-Saving Habits in Residential Buildings in Hong Kong. Sustainability, 2019, 11, 2036.	3.2	2
75	Evaluating the effectiveness of transom window in reducing cooling energy use in high-rise residential buildings in Hong Kong. Journal of Building Engineering, 2021, 35, 102007.	3.4	2
76	Establishing Energy Consumption Benchmarks for Commercial Complexes in Hong Kong. HKIE Transactions, 2001, 8, 40-47.	0.1	1
77	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
78	An Economic Evaluation of Policy Instruments for Enhancing Building Energy Efficiency. HKIE Transactions, 2004, 11, 56-63.	0.1	0
79	Evaluating Factors Affecting Wind Ventilation Performance Inside Pedestrian Zone Located within Dense Residential Estates in Hong Kong. , 2009, , .		0
80	Constant-temperature thermal response test (TRT) with both heat injection and extraction for ground source heat pump systems: Methodology and a case study. Energy Procedia, 2019, 158, 797-802.	1.8	0