

Mui Kwok Wai

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.

79
papers

1,711
citations

20
h-index

38
g-index

93
ext. papers

2,032
ext. citations

4.4
avg, IF

4.87
L-index

#	Paper	IF	Citations
79	Investigation of thermal comfort in sleeping environment and its association with sleep quality. <i>Building and Environment</i> , 2021 , 187, 107406	6.5	8
78	Bayesian updates for indoor thermal comfort models. <i>Journal of Building Engineering</i> , 2020 , 29, 101117	5.2	11
77	Numerical simulation of bioaerosol particle exposure assessment in office environment from MVAC systems. <i>Journal of Computational Multiphase Flows</i> , 2018 , 10, 59-71		11
76	An open acceptance model for indoor environmental quality (IEQ). <i>Building and Environment</i> , 2018 , 142, 371-378	6.5	16
75	Ventilation of general hospital wards for mitigating infection risks of three kinds of viruses including Middle East respiratory syndrome coronavirus. <i>Indoor and Built Environment</i> , 2017 , 26, 514-527 ^{1.8}		19
74	Energy efficiency evaluation for the water supply systems in tall buildings. <i>Building Services Engineering Research and Technology</i> , 2017 , 38, 400-407	2.3	4
73	Improving cooling energy efficiency in Hong Kong offices using demand-controlled ventilation (DCV) and adaptive comfort temperature (ACT) systems to provide indoor environmental quality (IEQ) acceptance. <i>HKIE Transactions</i> , 2017 , 24, 78-87	2.9	1
72	Exhaust ventilation performance in residential washrooms for bioaerosol particle removal after water closet flushing. <i>Building Services Engineering Research and Technology</i> , 2017 , 38, 32-46	2.3	5
71	Optimizing water supply pump replacement in buildings of Hong Kong. <i>Building Services Engineering Research and Technology</i> , 2016 , 37, 489-498	2.3	4
70	Performance impact of indoor environmental policy implementation for airside systems in Hong Kong Grade A offices. <i>Building Services Engineering Research and Technology</i> , 2015 , 36, 525-534	2.3	1
69	Bayesian thermal comfort model. <i>Building and Environment</i> , 2014 , 82, 171-179	6.5	15
68	Pump Efficiency of Water Supply Systems in Buildings of Hong Kong. <i>Energy Procedia</i> , 2014 , 61, 335-338	2.3	7
67	Energy efficiency of elevated water supply tanks for high-rise buildings. <i>Applied Energy</i> , 2013 , 103, 685-691 ^{1.7}		28
66	Modelling occurrence and duration of building drainage discharge loads from random and intermittent appliance flushes. <i>Building Services Engineering Research and Technology</i> , 2013 , 34, 381-392 ^{2.3}		6
65	Student learning performance and indoor environmental quality (IEQ) in air-conditioned university teaching rooms. <i>Building and Environment</i> , 2012 , 49, 238-244	6.5	126
64	An experimental study of bioaerosol (1101h) deposition in a ventilated chamber. <i>Building and Environment</i> , 2012 , 56, 118-126	6.5	10
63	Downtime of in-use water pump installations for high-rise residential buildings. <i>Building Services Engineering Research and Technology</i> , 2012 , 33, 181-190	2.3	4

62	Development of a Hybrid Artificial Neural Network Model and its Application to Data Regression. <i>Intelligent Automation and Soft Computing</i> , 2012 , 18, 319-332	2.6	3
61	Feasibility study of a simple IAQ index for assessing air-conditioned offices. <i>Facilities</i> , 2012 , 30, 124-134	2.2	1
60	In-cabin Exposure Levels of Carbon Monoxide, Carbon Dioxide and Airborne Particulate Matter in Air-Conditioned Buses of Hong Kong. <i>Indoor and Built Environment</i> , 2011 , 20, 464-470	1.8	6
59	Air Pressure Fluctuations of Drainage Stacks at a High-rise Office Building. <i>Indoor and Built Environment</i> , 2011 , 20, 412-419	1.8	10
58	Air quality influence on chronic obstructive pulmonary disease (COPD) patients quality of life. <i>Indoor Air</i> , 2010 , 20, 434-41	5.4	5
57	Scoping indoor airborne fungi in an excellent indoor air quality office building in Hong Kong. <i>Building Services Engineering Research and Technology</i> , 2010 , 31, 191-199	2.3	3
56	An Experimental and Numerical Study on Deposition of Bioaerosols in a Scaled Chamber. <i>Aerosol Science and Technology</i> , 2010 , 44, 117-128	3.4	17
55	Occupant acceptance as a screening parameter for indoor environmental assessments. <i>Facilities</i> , 2010 , 28, 338-347	2.2	2
54	Characteristics of air pressure fluctuations in high-rise drainage stacks. <i>Building and Environment</i> , 2010 , 45, 684-690	6.5	12
53	Shower water heat recovery in high-rise residential buildings of Hong Kong. <i>Applied Energy</i> , 2010 , 87, 703-709	10.7	107
52	Optimization of indoor air temperature set-point for centralized air-conditioned spaces in subtropical climates. <i>Automation in Construction</i> , 2010 , 19, 709-713	9.6	7
51	Formaldehyde exposure risk in air-conditioned offices of Hong Kong. <i>Building Services Engineering Research and Technology</i> , 2009 , 30, 279-286	2.3	5
50	Drainage demands of domestic washrooms in Hong Kong. <i>Building Services Engineering Research and Technology</i> , 2009 , 30, 121-133	2.3	5
49	Modelling sanitary demands for occupant loads in shopping centres of Hong Kong. <i>Building Services Engineering Research and Technology</i> , 2009 , 30, 305-318	2.3	4
48	Acceptable noise levels for construction site offices. <i>Building Services Engineering Research and Technology</i> , 2009 , 30, 87-94	2.3	2
47	An energy consumption benchmarking system for residential buildings in Hong Kong. <i>Building Services Engineering Research and Technology</i> , 2009 , 30, 135-142	2.3	7
46	An energy performance assessment for indoor environmental quality (IEQ) acceptance in air-conditioned offices. <i>Energy Conversion and Management</i> , 2009 , 50, 1362-1367	10.6	27
45	Efficiency assessment of indoor environmental policy for air-conditioned offices in Hong Kong. <i>Applied Energy</i> , 2009 , 86, 1933-1938	10.7	20

44	Mathematical models for accurate prediction of atmospheric visibility with particular reference to the seasonal and environmental patterns in Hong Kong. <i>Environmental Monitoring and Assessment</i> , 2009 , 158, 333-41	3.1	2
43	An evaluation model for indoor environmental quality (IEQ) acceptance in residential buildings. <i>Energy and Buildings</i> , 2009 , 41, 930-936	7	159
42	Numerical modeling of exhaled droplet nuclei dispersion and mixing in indoor environments. <i>Journal of Hazardous Materials</i> , 2009 , 167, 736-44	12.8	62
41	Evaluation on screening strategies for indoor air quality assessments in air-conditioned offices. <i>Building Services Engineering Research and Technology</i> , 2009 , 30, 203-212	2.3	2
40	An implementation choice of assessment parameters for indoor air quality (IAQ) in air-conditioned offices. <i>Facilities</i> , 2009 , 27, 202-210	2.2	3
39	An energy impact assessment of indoor air quality acceptance for air-conditioned offices. <i>Energy Conversion and Management</i> , 2008 , 49, 2815-2819	10.6	5
38	Epistemic demand analysis for fresh water supply of Chinese restaurants. <i>Building Services Engineering Research and Technology</i> , 2008 , 29, 183-189	2.3	5
37	Epistemic evaluation of policy influence on workplace indoor air quality of Hong Kong in 1996-2005. <i>Building Services Engineering Research and Technology</i> , 2008 , 29, 157-164	2.3	9
36	Air pressure variations at drainage stacks of high-rise residential buildings. <i>Facilities</i> , 2008 , 26, 463-469	2.2	3
35	Epistemic water consumption benchmarks for residential buildings. <i>Building and Environment</i> , 2008 , 43, 1031-1035	6.5	19
34	An energy impact assessment of ventilation for indoor airborne bacteria exposure risk in air-conditioned offices. <i>Building and Environment</i> , 2008 , 43, 1939-1944	6.5	10
33	Energy impact of indoor environmental policy for air-conditioned offices of Hong Kong. <i>Energy Policy</i> , 2008 , 36, 714-721	7.2	20
32	Influence of indoor air quality (IAQ) objectives on air-conditioned offices in Hong Kong. <i>Environmental Monitoring and Assessment</i> , 2008 , 144, 315-22	3.1	10
31	An approach to assessing the probability of unsatisfactory radon in air-conditioned offices of Hong Kong. <i>Journal of Environmental Radioactivity</i> , 2008 , 99, 248-59	2.4	7
30	A multivariate-logistic model for acceptance of indoor environmental quality (IEQ) in offices. <i>Building and Environment</i> , 2008 , 43, 1-6	6.5	178
29	Risks of unsatisfactory airborne bacteria level in air-conditioned offices of subtropical climates. <i>Building and Environment</i> , 2008 , 43, 475-479	6.5	22
28	A transient ventilation demand model for air-conditioned offices. <i>Applied Energy</i> , 2008 , 85, 545-554	10.7	25
27	Energy impact assessment for the reduction of carbon dioxide and formaldehyde exposure risk in air-conditioned offices. <i>Energy and Buildings</i> , 2008 , 40, 1412-1418	7	8

26	Stochastic modelling of water demand by domestic washrooms in residential tower blocks. <i>Water and Environment Journal</i> , 2008 , 22, 125-130	1.7	15
25	Evaluation on four sampling schemes for assessing indoor air quality. <i>Building and Environment</i> , 2007 , 42, 1119-1125	6.5	14
24	An energy benchmarking model for ventilation systems of air-conditioned offices in subtropical climates. <i>Applied Energy</i> , 2007 , 84, 89-98	10.7	42
23	Neutral temperature in subtropical climates—A field survey in air-conditioned offices. <i>Building and Environment</i> , 2007 , 42, 699-706	6.5	50
22	Modeling water consumption and flow rates for flushing water systems in high-rise residential buildings in Hong Kong. <i>Building and Environment</i> , 2007 , 42, 2024-2034	6.5	41
21	Bayesian adaptive comfort temperature (BACT) of air-conditioning system in subtropical climate. <i>Building and Environment</i> , 2007 , 42, 1983-1988	6.5	12
20	Cooling load calculations in subtropical climate. <i>Building and Environment</i> , 2007 , 42, 2498-2504	6.5	36
19	Evaluation of professional choice of sampling locations for indoor air quality assessment. <i>Building and Environment</i> , 2007 , 42, 2900-2907	6.5	11
18	Domestic water consumption benchmark development for Hong Kong. <i>Building Services Engineering Research and Technology</i> , 2007 , 28, 329-335	2.3	14
17	Fungi —An indoor air quality assessment parameter for air-conditioned offices. <i>Building Services Engineering Research and Technology</i> , 2007 , 28, 265-274	2.3	7
16	Evaluation of the neutral criterion of indoor air quality for air-conditioned offices in subtropical climates. <i>Building Services Engineering Research and Technology</i> , 2007 , 28, 23-33	2.3	21
15	Sampling strategies of indoor air quality assessment for offices. <i>Facilities</i> , 2007 , 25, 179-184	2.2	4
14	Evaluation on sampling point densities for assessing indoor air quality. <i>Building and Environment</i> , 2006 , 41, 1515-1521	6.5	23
13	Energy policy for integrating the building environmental performance model of an air conditioned building in a subtropical climate. <i>Energy Conversion and Management</i> , 2006 , 47, 2059-2069	10.6	27
12	Epistemic assessment of radon level of offices in Hong Kong. <i>Atmospheric Environment</i> , 2006 , 40, 1441-1451	4.5	16
11	A statistical model for characterizing common air pollutants in air-conditioned offices. <i>Atmospheric Environment</i> , 2006 , 40, 4246-4257	5.3	61
10	A humanized adaptive baseline information technology (HABIT) algorithm for a building management system. <i>Building Services Engineering Research and Technology</i> , 2006 , 27, 341-347	2.3	1
9	Feasibility Study of an Express Assessment Protocol for the Indoor Air Quality of Air-conditioned Offices. <i>Indoor and Built Environment</i> , 2006 , 15, 373-378	1.8	21

8	Discharge demand analysis on a drainage stack for residential buildings. <i>Facilities</i> , 2006 , 24, 132-140	2.2	9
7	Building calibration for IAQ management. <i>Building and Environment</i> , 2006 , 41, 877-886	6.5	14
6	Determination of domestic flushing water consumption in Hong Kong. <i>Facilities</i> , 2005 , 23, 82-92	2.2	10
5	Radon emanation rates of common partition materials in Hong Kong. <i>Facilities</i> , 2005 , 23, 511-521	2.2	1
4	Application of the Building Environmental Performance Model (BEPM) in Hong Kong. <i>Energy and Buildings</i> , 2005 , 37, 897-909	7	6
3	Influence of in-tunnel environment to in-bus air quality and thermal condition in Hong Kong. <i>Science of the Total Environment</i> , 2005 , 347, 163-74	10.2	6
2	Survey of the Airside Systems in Hong Kong. <i>HKIE Transactions</i> , 2005 , 12, 9-14	2.9	
1	Evaluation on different sampling schemes for assessing indoor radon level in Hong Kong. <i>Atmospheric Environment</i> , 2004 , 38, 6711-6723	5.3	18