

Maohui Luo

List of Publications by Citations

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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.

59
papers

1,760
citations

24
h-index

41
g-index

62
ext. papers

2,314
ext. citations

5
avg, IF

5.21
L-index

#	Paper	IF	Citations
59	Individual difference in thermal comfort: A literature review. <i>Building and Environment</i> , 2018 , 138, 181-193	6.5	220
58	Development of the ASHRAE Global Thermal Comfort Database II. <i>Building and Environment</i> , 2018 , 142, 502-512	6.5	164
57	Evaluating thermal comfort in mixed-mode buildings: A field study in a subtropical climate. <i>Building and Environment</i> , 2015 , 88, 46-54	6.5	111
56	The dynamics of thermal comfort expectations: The problem, challenge and implication. <i>Building and Environment</i> , 2016 , 95, 322-329	6.5	94
55	Can personal control influence human thermal comfort? A field study in residential buildings in China in winter. <i>Energy and Buildings</i> , 2014 , 72, 411-418	7	91
54	The underlying linkage between personal control and thermal comfort: Psychological or physical effects?. <i>Energy and Buildings</i> , 2016 , 111, 56-63	7	87
53	Human metabolic rate and thermal comfort in buildings: The problem and challenge. <i>Building and Environment</i> , 2018 , 131, 44-52	6.5	82
52	Indoor climate and thermal physiological adaptation: Evidences from migrants with different cold indoor exposures. <i>Building and Environment</i> , 2016 , 98, 30-38	6.5	70
51	Revisiting an overlooked parameter in thermal comfort studies, the metabolic rate. <i>Energy and Buildings</i> , 2016 , 118, 152-159	7	67
50	Thermal comfort evaluated for combinations of energy-efficient personal heating and cooling devices. <i>Building and Environment</i> , 2018 , 143, 206-216	6.5	59
49	Indoor climate experience, migration, and thermal comfort expectation in buildings. <i>Building and Environment</i> , 2018 , 141, 262-272	6.5	55
48	Influence of short-term thermal experience on thermal comfort evaluations: A climate chamber experiment. <i>Building and Environment</i> , 2017 , 114, 246-256	6.5	52
47	Dynamic characteristics and comfort assessment of airflows in indoor environments: A review. <i>Building and Environment</i> , 2015 , 91, 5-14	6.5	47
46	Too cold or too warm? A winter thermal comfort study in different climate zones in China. <i>Energy and Buildings</i> , 2016 , 133, 469-477	7	45
45	The uncertainty of subjective thermal comfort measurement. <i>Energy and Buildings</i> , 2018 , 181, 38-49	7	39
44	Comparing machine learning algorithms in predicting thermal sensation using ASHRAE Comfort Database II. <i>Energy and Buildings</i> , 2020 , 210, 109776	7	37
43	A model to compare convective and radiant heating systems for intermittent space heating. <i>Applied Energy</i> , 2018 , 215, 211-226	10.7	37

42	Thermal comfort under radiant asymmetries of floor cooling system in 2 h and 8 h exposure durations. <i>Energy and Buildings</i> , 2019 , 188-189, 98-110	7	33
41	Indoor human thermal adaptation: dynamic processes and weighting factors. <i>Indoor Air</i> , 2017 , 27, 273-284	5.4	31
40	Review on occupant-centric thermal comfort sensing, predicting, and controlling. <i>Energy and Buildings</i> , 2020 , 226, 110392	7	28
39	Revisiting individual and group differences in thermal comfort based on ASHRAE database. <i>Energy and Buildings</i> , 2020 , 219, 110017	7	27
38	A new method to study human metabolic rate changes and thermal comfort in physical exercise by CO2 measurement in an airtight chamber. <i>Energy and Buildings</i> , 2018 , 177, 402-412	7	27
37	Ceiling fan air speeds around desks and office partitions. <i>Building and Environment</i> , 2017 , 124, 412-440	6.5	27
36	Predicting older people's thermal sensation in building environment through a machine learning approach: Modelling, interpretation, and application. <i>Building and Environment</i> , 2019 , 161, 106231	6.5	26
35	High-density thermal sensitivity maps of the human body. <i>Building and Environment</i> , 2020 , 167, 106435	6.5	20
34	Evaluating the comfort of thermally dynamic wearable devices. <i>Building and Environment</i> , 2020 , 167, 106443	6.5	19
33	Chinese older people's subjective and physiological responses to moderate cold and warm temperature steps. <i>Building and Environment</i> , 2019 , 149, 526-536	6.5	16
32	The time-scale of thermal comfort adaptation in heated and unheated buildings. <i>Building and Environment</i> , 2019 , 151, 175-186	6.5	15
31	Data-driven thermal comfort model via support vector machine algorithms: Insights from ASHRAE RP-884 database. <i>Energy and Buildings</i> , 2020 , 211, 109795	7	15
30	Measurement of airflow pattern induced by ceiling fan with quad-view colour sequence particle streak velocimetry. <i>Building and Environment</i> , 2019 , 152, 122-134	6.5	14
29	Thermal comfort in semi-outdoor spaces within an office building in Shenzhen: A case study in a hot climate region of China. <i>Indoor and Built Environment</i> , 2018 , 27, 1431-1444	1.8	14
28	Exploring the dynamic process of human thermal adaptation: A study in teaching building. <i>Energy and Buildings</i> , 2016 , 127, 425-432	7	13
27	Application of dynamic airflows in buildings and its effects on perceived thermal comfort. <i>Indoor and Built Environment</i> , 2018 , 27, 1162-1174	1.8	11
26	Typical winter clothing characteristics and thermal insulation of ensembles for older people in China. <i>Building and Environment</i> , 2020 , 182, 107127	6.5	9
25	Predicted percentage dissatisfied with vertical temperature gradient. <i>Energy and Buildings</i> , 2020 , 220, 110085	7	7

24	Ceiling-fan-integrated air conditioning: Airflow and temperature characteristics of a sidewall-supply jet interacting with a ceiling fan. <i>Building and Environment</i> , 2020 , 171, 106660	6.5	7
23	Energy and comfort performance of occupant-centric air conditioning strategy in office buildings with personal comfort devices. <i>Building Simulation</i> , 1	3.9	7
22	Physiological and subjective thermal responses to heat exposure in northern and southern Chinese people. <i>Building Simulation</i> , 2021 , 14, 1619-1631	3.9	6
21	Airflow pattern induced by ceiling fan under different rotation speeds and blowing directions. <i>Indoor and Built Environment</i> , 2020 , 29, 1425-1440	1.8	4
20	Experimenting and Modeling Thermal Performance of Ground Heat Exchanger Under Freezing Soil Conditions. <i>Sustainability</i> , 2019 , 11, 5738	3.6	4
19	Detailed measured air speed distribution in four commercial buildings with ceiling fans. <i>Building and Environment</i> , 2021 , 200, 107979	6.5	4
18	Radiant asymmetric thermal comfort evaluation for floor cooling system [A field study in office building. <i>Energy and Buildings</i> , 2022 , 260, 111917	7	3
17	The Dynamics and Mechanism of Human Thermal Adaptation in Building Environment. <i>Springer Theses</i> , 2020 ,	0.1	2
16	Validation of the Stolwijk and Tanabe Human Thermoregulation Models for Predicting Local Skin Temperatures of Older People under Thermal Transient Conditions. <i>Energies</i> , 2020 , 13, 6524	3.1	2
15	Determining Building Natural Ventilation Potential via IoT-Based Air Quality Sensors. <i>Frontiers in Environmental Science</i> , 2021 , 9,	4.8	2
14	Overall and thermal comfort under different temperature, noise, and vibration exposures. <i>Indoor Air</i> , 2021 ,	5.4	2
13	Room zonal location and activity intensity recognition model for residential occupant using passive-infrared sensors and machine learning. <i>Building Simulation</i> , 2022 , 15, 1133-1144	3.9	2
12	Ceiling-fan-integrated air-conditioning: thermal comfort evaluations. <i>Buildings and Cities</i> , 2021 , 2,	3.3	2
11	Thermal Performance of Vertical Courtyard System in Office Buildings Under Typical Hot Days in Hot-Humid Climate Area: A Case Study. <i>Sustainability</i> , 2020 , 12, 2591	3.6	1
10	Approach to Choose Proper Passive Design Strategies for Residential Buildings. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 635-643	0.2	1
9	Micro-Scale Thermal Sensitivity Mappings of Human Body. <i>Environmental Science and Engineering</i> , 2020 , 411-419	0.2	1
8	Thermal comfort performance and energy-efficiency evaluation of six personal heating/cooling devices. <i>Building and Environment</i> , 2022 , 217, 109069	6.5	1
7	Quantitative Investigation of Body Part Selection for Data-Driven Personal Overall Thermal Preference Prediction. <i>Buildings</i> , 2022 , 12, 170	3.2	0

- 6 Adaptive Heating Balance Comfort Model. *Springer Theses*, **2020**, 131-144 0.1
- 5 Indoor Climate and Physiological Acclimation. *Springer Theses*, **2020**, 81-110 0.1
- 4 Personal Control and Its Psychological Effects on Thermal Adaptation. *Springer Theses*, **2020**, 111-130 0.1
- 3 Indoor Climate Experience and Thermal Comfort Expectation in Buildings. *Springer Theses*, **2020**, 31-57 0.1
- 2 The Timescale of Thermal Comfort Adaptation in Heated and Unheated Buildings. *Springer Theses*, **2020**, 59-80 0.1
- 1 Evaluation of Radiant Heating and Cooling Terminals Based on Structural Thermal Resistance. *Environmental Science and Engineering*, **2020**, 1367-1377 0.2