Maohui Luo

List of Publications by Year in Descending Order

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	Radiant asymmetric thermal comfort evaluation for floor cooling system □A field study in office building. *Energy and Buildings*, **2022**, 260, 111917	7	3
58	Quantitative Investigation of Body Part Selection for Data-Driven Personal Overall Thermal Preference Prediction. *Buildings*, **2022**, 12, 170	3.2	0
57	Thermal comfort performance and energy-efficiency evaluation of six personal heating/cooling devices. *Building and Environment*, **2022**, 217, 109069	6.5	1
56	Room zonal location and activity intensity recognition model for residential occupant using passive-infrared sensors and machine learning. *Building Simulation*, **2022**, 15, 1133-1144	3.9	2
55	Physiological and subjective thermal responses to heat exposure in northern and southern Chinese people. *Building Simulation*, **2021**, 14, 1619-1631	3.9	6
54	Determining Building Natural Ventilation Potential via IoT-Based Air Quality Sensors. *Frontiers in Environmental Science*, **2021**, 9,	4.8	2
53	Overall and thermal comfort under different temperature, noise, and vibration exposures. *Indoor Air*, **2021**,	5.4	2
52	Detailed measured air speed distribution in four commercial buildings with ceiling fans. *Building and Environment*, **2021**, 200, 107979	6.5	4
51	Ceiling-fan-integrated air-conditioning: thermal comfort evaluations. *Buildings and Cities*, **2021**, 2,	3.3	2
50	Thermal Performance of Vertical Courtyard System in Office Buildings Under Typical Hot Days in Hot-Humid Climate Area: A Case Study. *Sustainability*, **2020**, 12, 2591	3.6	1
49	Predicted percentage dissatisfied with vertical temperature gradient. *Energy and Buildings*, **2020**, 220, 110085	7	7
48	Comparing machine learning algorithms in predicting thermal sensation using ASHRAE Comfort Database II. *Energy and Buildings*, **2020**, 210, 109776	7	37
47	Ceiling-fan-integrated air conditioning: Airflow and temperature characteristics of a sidewall-supply jet interacting with a ceiling fan. *Building and Environment*, **2020**, 171, 106660	6.5	7
46	Data-driven thermal comfort model via support vector machine algorithms: Insights from ASHRAE RP-884 database. *Energy and Buildings*, **2020**, 211, 109795	7	15
45	Revisiting individual and group differences in thermal comfort based on ASHRAE database. *Energy and Buildings*, **2020**, 219, 110017	7	27
44	Adaptive Heating Balance Comfort Model. *Springer Theses*, **2020**, 131-144	0.1	
43	Indoor Climate and Physiological Acclimation. *Springer Theses*, **2020**, 81-110	0.1	

42	Personal Control and Its Phycological Effects on Thermal Adaptation. *Springer Theses*, **2020**, 111-130	0.1	
41	Indoor Climate Experience and Thermal Comfort Expectation in Buildings. *Springer Theses*, **2020**, 31-57	0.1	
40	The Timescale of Thermal Comfort Adaptation in Heated and Unheated Buildings. *Springer Theses*, **2020**, 59-80	0.1	
39	Evaluation of Radiant Heating and Cooling Terminals Based on Structural Thermal Resistance. *Environmental Science and Engineering*, **2020**, 1367-1377	0.2	
38	Micro-Scale Thermal Sensitivity Mappings of Human Body. *Environmental Science and Engineering*, **2020**, 411-419	0.2	1
37	The Dynamics and Mechanism of Human Thermal Adaptation in Building Environment. *Springer Theses*, **2020**,	0.1	2
36	Airflow pattern induced by ceiling fan under different rotation speeds and blowing directions. *Indoor and Built Environment*, **2020**, 29, 1425-1440	1.8	4
35	Typical winter clothing characteristics and thermal insulation of ensembles for older people in China. *Building and Environment*, **2020**, 182, 107127	6.5	9
34	Review on occupant-centric thermal comfort sensing, predicting, and controlling. *Energy and Buildings*, **2020**, 226, 110392	7	28
33	Validation of the Stolwijk and Tanabe Human Thermoregulation Models for Predicting Local Skin Temperatures of Older People under Thermal Transient Conditions. *Energies*, **2020**, 13, 6524	3.1	2
32	Evaluating the comfort of thermally dynamic wearable devices. *Building and Environment*, **2020**, 167, 106443	6.5	19
31	High-density thermal sensitivity maps of the human body. *Building and Environment*, **2020**, 167, 106435	6.5	20
30	The time-scale of thermal comfort adaptation in heated and unheated buildings. *Building and Environment*, **2019**, 151, 175-186	6.5	15
29	Measurement of airflow pattern induced by ceiling fan with quad-view colour sequence particle streak velocimetry. *Building and Environment*, **2019**, 152, 122-134	6.5	14
28	Thermal comfort under radiant asymmetries of floor cooling system in 2 h and 8 h exposure durations. *Energy and Buildings*, **2019**, 188-189, 98-110	7	33
27	Predicting older peoplea‡ thermal sensation in building environment through a machine learning approach: Modelling, interpretation, and application. *Building and Environment*, **2019**, 161, 106231	6.5	26
26	Experimenting and Modeling Thermal Performance of Ground Heat Exchanger Under Freezing Soil Conditions. *Sustainability*, **2019**, 11, 5738	3.6	4
25	Chinese older peoplea‡ subjective and physiological responses to moderate cold and warm temperature steps. *Building and Environment*, **2019**, 149, 526-536	6.5	16

24	A model to compare convective and radiant heating systems for intermittent space heating. *Applied Energy*, **2018**, 215, 211-226	10.7	37
23	Human metabolic rate and thermal comfort in buildings: The problem and challenge. *Building and Environment*, **2018**, 131, 44-52	6.5	82
22	Individual difference in thermal comfort: A literature review. *Building and Environment*, **2018**, 138, 181-193	6.5	220
21	Thermal comfort in semi-outdoor spaces within an office building in Shenzhen: A case study in a hot climate region of China. *Indoor and Built Environment*, **2018**, 27, 1431-1444	1.8	14
20	Application of dynamic airflows in buildings and its effects on perceived thermal comfort. *Indoor and Built Environment*, **2018**, 27, 1162-1174	1.8	11
19	Development of the ASHRAE Global Thermal Comfort Database II. *Building and Environment*, **2018**, 142, 502-512	6.5	164
18	Thermal comfort evaluated for combinations of energy-efficient personal heating and cooling devices. *Building and Environment*, **2018**, 143, 206-216	6.5	59
17	A new method to study human metabolic rate changes and thermal comfort in physical exercise by CO2 measurement in an airtight chamber. *Energy and Buildings*, **2018**, 177, 402-412	7	27
16	The uncertainty of subjective thermal comfort measurement. *Energy and Buildings*, **2018**, 181, 38-49	7	39
15	Indoor climate experience, migration, and thermal comfort expectation in buildings. *Building and Environment*, **2018**, 141, 262-272	6.5	55
14	Influence of short-term thermal experience on thermal comfort evaluations: A climate chamber experiment. *Building and Environment*, **2017**, 114, 246-256	6.5	52
13	Ceiling fan air speeds around desks and office partitions. *Building and Environment*, **2017**, 124, 412-440	6.5	27
12	Indoor human thermal adaptation: dynamic processes and weighting factors. *Indoor Air*, **2017**, 27, 273-281	5.4	31
11	The dynamics of thermal comfort expectations: The problem, challenge and impication. *Building and Environment*, **2016**, 95, 322-329	6.5	94
10	Exploring the dynamic process of human thermal adaptation: A study in teaching building. *Energy and Buildings*, **2016**, 127, 425-432	7	13
9	The underlying linkage between personal control and thermal comfort: Psychological or physical effects?. *Energy and Buildings*, **2016**, 111, 56-63	7	87
8	Revisiting an overlooked parameter in thermal comfort studies, the metabolic rate. *Energy and Buildings*, **2016**, 118, 152-159	7	67
7	Indoor climate and thermal physiological adaptation: Evidences from migrants with different cold indoor exposures. *Building and Environment*, **2016**, 98, 30-38	6.5	70

6	Too cold or too warm? A winter thermal comfort study in different climate zones in China. *Energy and Buildings*, **2016**, 133, 469-477	7	45
5	Dynamic characteristics and comfort assessment of airflows in indoor environments: A review. *Building and Environment*, **2015**, 91, 5-14	6.5	47
4	Evaluating thermal comfort in mixed-mode buildings: A field study in a subtropical climate. *Building and Environment*, **2015**, 88, 46-54	6.5	111
3	Can personal control influence human thermal comfort? A field study in residential buildings in China in winter. *Energy and Buildings*, **2014**, 72, 411-418	7	91
2	Approach to Choose Proper Passive Design Strategies for Residential Buildings. *Lecture Notes in Electrical Engineering*, **2014**, 635-643	0.2	1
1	Energy and comfort performance of occupant-centric air conditioning strategy in office buildings with personal comfort devices. *Building Simulation*,1	3.9	7