Yongchao Zhai

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.

31 papers	1,190 citations	16 h-index	33 g-index
33 ext. papers	1,548 ext. citations	6.4 avg, IF	4.61 L-index

#	Paper	IF	Citations
31	Field investigation on the thermal environment and thermal comfort in shopping malls in the cold zone of China. *Building and Environment*, **2022**, 108892	6.5	2
30	Comparison of thermal comfort between radiant and convective systems using field test data from the Chinese Thermal Comfort Database. *Building and Environment*, **2022**, 209, 108685	6.5	3
29	Comfortable clothing model of occupants and thermal adaption to cold climates in China. *Building and Environment*, **2021**, 108499	6.5	0
28	Method of determining acceptable air temperature thresholds in Chinese HVAC buildings based on a data-driven model. *Energy and Buildings*, **2021**, 241, 110920	7	6
27	Thermal comfort in naturally ventilated university classrooms: A seasonal field study in Xi'an, China. *Energy and Buildings*, **2021**, 247, 111126	7	7
26	Gender differences in metabolic rates and thermal comfort in sedentary young males and females at various temperatures. *Energy and Buildings*, **2021**, 251, 111360	7	4
25	Using machine learning algorithms to predict occupants□thermal comfort in naturally ventilated residential buildings. *Energy and Buildings*, **2020**, 217, 109937	7	25
24	Preferred temperatures with and without air movement during moderate exercise. *Energy and Buildings*, **2020**, 207, 109565	7	11
23	Evaluating assumptions of scales for subjective assessment of thermal environments □Do laypersons perceive them the way, we researchers believe?. *Energy and Buildings*, **2020**, 211, 109761	7	34
22	Thermal comfort and physiological responses with standing and treadmill workstations in summer. *Building and Environment*, **2020**, 185, 107238	6.5	5
21	Carbon dioxide generation rates of different age and gender under various activity levels. *Building and Environment*, **2020**, 186, 107317	6.5	9
20	Use of adaptive control and its effects on human comfort in a naturally ventilated office in Alameda, California. *Energy and Buildings*, **2019**, 203, 109435	7	5
19	Transient human thermophysiological and comfort responses indoors after simulated summer commutes. *Building and Environment*, **2019**, 157, 257-267	6.5	21
18	Using personally controlled air movement to improve comfort after simulated summer commute. *Building and Environment*, **2019**, 165, 106329	6.5	13
17	The Scales Project, a cross-national dataset on the interpretation of thermal perception scales. *Scientific Data*, **2019**, 6, 289	8.2	12
16	Human metabolic rate and thermal comfort in buildings: The problem and challenge. *Building and Environment*, **2018**, 131, 44-52	6.5	82
15	Development of the ASHRAE Global Thermal Comfort Database II. *Building and Environment*, **2018**, 142, 502-512	6.5	164

14	Indirect calorimetry on the metabolic rate of sitting, standing and walking office activities. *Building and Environment*, **2018**, 145, 77-84	6.5	25
13	Preferred temperature with standing and treadmill workstations. *Building and Environment*, **2018**, 138, 63-73	6.5	16
12	Selecting air speeds for cooling at sedentary and non-sedentary office activity levels. *Building and Environment*, **2017**, 122, 247-257	6.5	34
11	Adaptation-based indoor environment control in a hot-humid area. *Building and Environment*, **2017**, 117, 238-247	6.5	13
10	Ceiling fan air speeds around desks and office partitions. *Building and Environment*, **2017**, 124, 412-440	6.5	27
9	Using footwarmers in offices for thermal comfort and energy savings. *Energy and Buildings*, **2015**, 104, 233-243	7	60
8	Human comfort and perceived air quality in warm and humid environments with ceiling fans. *Building and Environment*, **2015**, 90, 178-185	6.5	84
7	A review of the corrective power of personal comfort systems in non-neutral ambient environments. *Building and Environment*, **2015**, 91, 15-41	6.5	191
6	Using air movement for comfort during moderate exercise. *Building and Environment*, **2015**, 94, 344-352	6.5	39
5	Thermal Adaptive Models in Built Environment and Its Energy Implications in Eastern China. *Energy Procedia*, **2015**, 75, 1413-1418	2.3	8
4	Effects of diffuser airflow minima on occupant comfort, air mixing, and building energy use (RP-1515). *Science and Technology for the Built Environment*, **2015**, 21, 1075-1090	1.8	15
3	Energy-efficient comfort with a heated/cooled chair: Results from human subject tests. *Building and Environment*, **2015**, 84, 10-21	6.5	106
2	Enabling energy-efficient approaches to thermal comfort using room air motion. *Building and Environment*, **2014**, 79, 13-19	6.5	38
1	Comfort under personally controlled air movement in warm and humid environments. *Building and Environment*, **2013**, 65, 109-117	6.5	131