

Yongchao Zhai

List of Publications by Citations

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Version: 2024-04-28

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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	A review of the corrective power of personal comfort systems in non-neutral ambient environments. <i>Building and Environment</i> , 2015 , 91, 15-41	6.5	191
30	Development of the ASHRAE Global Thermal Comfort Database II. <i>Building and Environment</i> , 2018 , 142, 502-512	6.5	164
29	Comfort under personally controlled air movement in warm and humid environments. <i>Building and Environment</i> , 2013 , 65, 109-117	6.5	131
28	Energy-efficient comfort with a heated/cooled chair: Results from human subject tests. <i>Building and Environment</i> , 2015 , 84, 10-21	6.5	106
27	Human comfort and perceived air quality in warm and humid environments with ceiling fans. <i>Building and Environment</i> , 2015 , 90, 178-185	6.5	84
26	Human metabolic rate and thermal comfort in buildings: The problem and challenge. <i>Building and Environment</i> , 2018 , 131, 44-52	6.5	82
25	Using footwarmers in offices for thermal comfort and energy savings. <i>Energy and Buildings</i> , 2015 , 104, 233-243	7	60
24	Using air movement for comfort during moderate exercise. <i>Building and Environment</i> , 2015 , 94, 344-352	6.5	39
23	Enabling energy-efficient approaches to thermal comfort using room air motion. <i>Building and Environment</i> , 2014 , 79, 13-19	6.5	38
22	Selecting air speeds for cooling at sedentary and non-sedentary office activity levels. <i>Building and Environment</i> , 2017 , 122, 247-257	6.5	34
21	Evaluating assumptions of scales for subjective assessment of thermal environments [Do laypersons perceive them the way, we researchers believe?]. <i>Energy and Buildings</i> , 2020 , 211, 109761	7	34
20	Ceiling fan air speeds around desks and office partitions. <i>Building and Environment</i> , 2017 , 124, 412-440	6.5	27
19	Using machine learning algorithms to predict occupants' thermal comfort in naturally ventilated residential buildings. <i>Energy and Buildings</i> , 2020 , 217, 109937	7	25
18	Indirect calorimetry on the metabolic rate of sitting, standing and walking office activities. <i>Building and Environment</i> , 2018 , 145, 77-84	6.5	25
17	Transient human thermophysiological and comfort responses indoors after simulated summer commutes. <i>Building and Environment</i> , 2019 , 157, 257-267	6.5	21
16	Preferred temperature with standing and treadmill workstations. <i>Building and Environment</i> , 2018 , 138, 63-73	6.5	16
15	Effects of diffuser airflow minima on occupant comfort, air mixing, and building energy use (RP-1515). <i>Science and Technology for the Built Environment</i> , 2015 , 21, 1075-1090	1.8	15

14	Adaptation-based indoor environment control in a hot-humid area. <i>Building and Environment</i> , 2017 , 117, 238-247	6.5	13
13	Using personally controlled air movement to improve comfort after simulated summer commute. <i>Building and Environment</i> , 2019 , 165, 106329	6.5	13
12	The Scales Project, a cross-national dataset on the interpretation of thermal perception scales. <i>Scientific Data</i> , 2019 , 6, 289	8.2	12
11	Preferred temperatures with and without air movement during moderate exercise. <i>Energy and Buildings</i> , 2020 , 207, 109565	7	11
10	Carbon dioxide generation rates of different age and gender under various activity levels. <i>Building and Environment</i> , 2020 , 186, 107317	6.5	9
9	Thermal Adaptive Models in Built Environment and Its Energy Implications in Eastern China. <i>Energy Procedia</i> , 2015 , 75, 1413-1418	2.3	8
8	Thermal comfort in naturally ventilated university classrooms: A seasonal field study in Xi'an, China. <i>Energy and Buildings</i> , 2021 , 247, 111126	7	7
7	Method of determining acceptable air temperature thresholds in Chinese HVAC buildings based on a data-driven model. <i>Energy and Buildings</i> , 2021 , 241, 110920	7	6
6	Use of adaptive control and its effects on human comfort in a naturally ventilated office in Alameda, California. <i>Energy and Buildings</i> , 2019 , 203, 109435	7	5
5	Thermal comfort and physiological responses with standing and treadmill workstations in summer. <i>Building and Environment</i> , 2020 , 185, 107238	6.5	5
4	Gender differences in metabolic rates and thermal comfort in sedentary young males and females at various temperatures. <i>Energy and Buildings</i> , 2021 , 251, 111360	7	4
3	Comparison of thermal comfort between radiant and convective systems using field test data from the Chinese Thermal Comfort Database. <i>Building and Environment</i> , 2022 , 209, 108685	6.5	3
2	Field investigation on the thermal environment and thermal comfort in shopping malls in the cold zone of China. <i>Building and Environment</i> , 2022 , 108892	6.5	2
1	Comfortable clothing model of occupants and thermal adaption to cold climates in China. <i>Building and Environment</i> , 2021 , 108499	6.5	0