

Edward Arens

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.

31
papers

2,325
citations

20
h-index

33
g-index

33
ext. papers

2,803
ext. citations

6
avg, IF

5.22
L-index

#	Paper	IF	Citations
31	Extending air temperature setpoints: Simulated energy savings and design considerations for new and retrofit buildings. <i>Building and Environment</i> , 2015 , 88, 89-96	6.5	264
30	Thermal sensation and comfort models for non-uniform and transient environments, part III: Whole-body sensation and comfort. <i>Building and Environment</i> , 2010 , 45, 399-410	6.5	245
29	Partial- and whole-body thermal sensation and comfort—Part I: Uniform environmental conditions. <i>Journal of Thermal Biology</i> , 2006 , 31, 53-59	2.9	214
28	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
27	Comfort, perceived air quality, and work performance in a low-power task—Ambient conditioning system. <i>Building and Environment</i> , 2010 , 45, 29-39	6.5	177
26	Partial- and whole-body thermal sensation and comfort—Part II: Non-uniform environmental conditions. <i>Journal of Thermal Biology</i> , 2006 , 31, 60-66	2.9	158
25	Gender differences in office occupant perception of indoor environmental quality (IEQ). <i>Building and Environment</i> , 2013 , 70, 245-256	6.5	144
24	Are class A temperature requirements realistic or desirable?. <i>Building and Environment</i> , 2010 , 45, 4-10	6.5	140
23	Comfort under personally controlled air movement in warm and humid environments. <i>Building and Environment</i> , 2013 , 65, 109-117	6.5	131
22	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
21	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
20	Using footwarmers in offices for thermal comfort and energy savings. <i>Energy and Buildings</i> , 2015 , 104, 233-243	7	60
19	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
18	Occupant comfort and behavior: High-resolution data from a 6-month field study of personal comfort systems with 37 real office workers. <i>Building and Environment</i> , 2019 , 148, 348-360	6.5	48
17	Using air movement for comfort during moderate exercise. <i>Building and Environment</i> , 2015 , 94, 344-352	6.5	39
16	Enabling energy-efficient approaches to thermal comfort using room air motion. <i>Building and Environment</i> , 2014 , 79, 13-19	6.5	38
15	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

14	Applicability of whole-body heat balance models for evaluating thermal sensation under non-uniform air movement in warm environments. <i>Building and Environment</i> , 2014 , 75, 108-113	6.5	29
13	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
12	Transient human thermophysiological and comfort responses indoors after simulated summer commutes. <i>Building and Environment</i> , 2019 , 157, 257-267	6.5	21
11	High-density thermal sensitivity maps of the human body. <i>Building and Environment</i> , 2020 , 167, 106435	6.5	20
10	Evaluating the comfort of thermally dynamic wearable devices. <i>Building and Environment</i> , 2020 , 167, 106443	6.5	19
9	Personal CO2 bubble: Context-dependent variations and wearable sensors usability. <i>Journal of Building Engineering</i> , 2019 , 22, 295-304	5.2	14
8	Measuring Air Speed With a Low-Power MEMS Ultrasonic Anemometer via Adaptive Phase Tracking. <i>IEEE Sensors Journal</i> , 2019 , 19, 8136-8145	4	14
7	Using personally controlled air movement to improve comfort after simulated summer commute. <i>Building and Environment</i> , 2019 , 165, 106329	6.5	13
6	Climate co-benefits of green building standards: water, waste and transportation. <i>Building Research and Information</i> , 2017 , 45, 828-844	4.3	11
5	Preferred temperatures with and without air movement during moderate exercise. <i>Energy and Buildings</i> , 2020 , 207, 109565	7	11
4	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
3	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
2	Predicting thermal pleasure experienced in dynamic environments from simulated cutaneous thermoreceptor activity. <i>Indoor Air</i> , 2021 , 31, 2266-2280	5.4	3
1	Creating alliesthesia in cool environments using personal comfort systems. <i>Building and Environment</i> , 2021 , 209, 108642	6.5	2