Edward Arens

List of Publications by Year in Descending Order

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	Creating alliesthesia in cool environments using personal comfort systems. *Building and Environment*, **2021**, 209, 108642	6.5	2
30	Predicting thermal pleasure experienced in dynamic environments from simulated cutaneous thermoreceptor activity. *Indoor Air*, **2021**, 31, 2266-2280	5.4	3
29	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
28	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
27	Preferred temperatures with and without air movement during moderate exercise. *Energy and Buildings*, **2020**, 207, 109565	7	11
26	Evaluating the comfort of thermally dynamic wearable devices. *Building and Environment*, **2020**, 167, 106443	6.5	19
25	High-density thermal sensitivity maps of the human body. *Building and Environment*, **2020**, 167, 106435	6.5	20
24	Transient human thermophysiological and comfort responses indoors after simulated summer commutes. *Building and Environment*, **2019**, 157, 257-267	6.5	21
23	Personal CO2 bubble: Context-dependent variations and wearable sensors usability. *Journal of Building Engineering*, **2019**, 22, 295-304	5.2	14
22	Measuring Air Speed With a Low-Power MEMS Ultrasonic Anemometer via Adaptive Phase Tracking. *IEEE Sensors Journal*, **2019**, 19, 8136-8145	4	14
21	Using personally controlled air movement to improve comfort after simulated summer commute. *Building and Environment*, **2019**, 165, 106329	6.5	13
20	Occupant comfort and behavior: High-resolution data from a 6-month field study of personal comfort systems with 37 real office workers. *Building and Environment*, **2019**, 148, 348-360	6.5	48
19	Thermal comfort evaluated for combinations of energy-efficient personal heating and cooling devices. *Building and Environment*, **2018**, 143, 206-216	6.5	59
18	Indirect calorimetry on the metabolic rate of sitting, standing and walking office activities. *Building and Environment*, **2018**, 145, 77-84	6.5	25
17	Selecting air speeds for cooling at sedentary and non-sedentary office activity levels. *Building and Environment*, **2017**, 122, 247-257	6.5	34
16	Climate co-benefits of green building standards: water, waste and transportation. *Building Research and Information*, **2017**, 45, 828-844	4.3	11
15	Using footwarmers in offices for thermal comfort and energy savings. *Energy and Buildings*, **2015**, 104, 233-243	7	60

14	Human comfort and perceived air quality in warm and humid environments with ceiling fans. *Building and Environment*, **2015**, 90, 178-185	6.5	84
13	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
12	Using air movement for comfort during moderate exercise. *Building and Environment*, **2015**, 94, 344-352	6.5	39
11	Extending air temperature setpoints: Simulated energy savings and design considerations for new and retrofit buildings. *Building and Environment*, **2015**, 88, 89-96	6.5	264
10	Energy-efficient comfort with a heated/cooled chair: Results from human subject tests. *Building and Environment*, **2015**, 84, 10-21	6.5	106
9	Enabling energy-efficient approaches to thermal comfort using room air motion. *Building and Environment*, **2014**, 79, 13-19	6.5	38
8	Applicability of whole-body heat balance models for evaluating thermal sensation under non-uniform air movement in warm environments. *Building and Environment*, **2014**, 75, 108-113	6.5	29
7	Gender differences in office occupant perception of indoor environmental quality (IEQ). *Building and Environment*, **2013**, 70, 245-256	6.5	144
6	Comfort under personally controlled air movement in warm and humid environments. *Building and Environment*, **2013**, 65, 109-117	6.5	131
5	Thermal sensation and comfort models for non-uniform and transient environments, part III: Whole-body sensation and comfort. *Building and Environment*, **2010**, 45, 399-410	6.5	245
4	Comfort, perceived air quality, and work performance in a low-power task□ambient conditioning system. *Building and Environment*, **2010**, 45, 29-39	6.5	177
3	Are □lass A□temperature requirements realistic or desirable?. *Building and Environment*, **2010**, 45, 4-10	6.5	140
2	Partial- and whole-body thermal sensation and comfort□Part II: Non-uniform environmental conditions. *Journal of Thermal Biology*, **2006**, 31, 60-66	2.9	158
1	Partial- and whole-body thermal sensation and comfort□Part I: Uniform environmental conditions. *Journal of Thermal Biology*, **2006**, 31, 53-59	2.9	214