Pawel Wargocki

List of Publications by Citations

119 papers	6,214 citations	39 h-index	78 g-index
129 ext. papers	7,844 ext. citations	6 avg, IF	6.42 L-index

#	Paper	IF	Citations
119	Literature survey on how different factors influence human comfort in indoor environments. *Building and Environment*, **2011**, 46, 922-937	6.5	579
118	How can airborne transmission of COVID-19 indoors be minimised?. *Environment International*, **2020** , 142, 105832	12.9	525
117	The effects of outdoor air supply rate in an office on perceived air quality, sick building syndrome (SBS) symptoms and productivity. *Indoor Air*, **2000**, 10, 222-36	5.4	368
116	Perceived air quality, sick building syndrome (SBS) symptoms and productivity in an office with two different pollution loads. *Indoor Air*, **1999**, 9, 165-79	5.4	300
115	Quantitative relationships between occupant satisfaction and satisfaction aspects of indoor environmental quality and building design. *Indoor Air*, **2012**, 22, 119-31	5.4	292
114	Ventilation and health in non-industrial indoor environments: report from a European multidisciplinary scientific consensus meeting (EUROVEN). *Indoor Air*, **2002**, 12, 113-28	5.4	250
113	Quantitative measurement of productivity loss due to thermal discomfort. *Energy and Buildings*, **2011**, 43, 1057-1062	7	189
112	Effects of thermal discomfort in an office on perceived air quality, SBS symptoms, physiological responses, and human performance. *Indoor Air*, **2011**, 21, 376-90	5.4	179
111	The Effects of Moderately Raised Classroom Temperatures and Classroom Ventilation Rate on the Performance of Schoolwork by Children (RP-1257). *HVAC and R Research*, **2007**, 13, 193-220		173
110	Can commonly-used fan-driven air cleaning technologies improve indoor air quality? A literature review. *Atmospheric Environment*, **2011**, 45, 4329-4343	5.3	165
109	Providing better thermal and air quality conditions in school classrooms would be cost-effective. *Building and Environment*, **2013**, 59, 581-589	6.5	145
108	Effects of exposure to carbon dioxide and bioeffluents on perceived air quality, self-assessed acute health symptoms, and cognitive performance. *Indoor Air*, **2017**, 27, 47-64	5.4	142
107	Dismantling myths on the airborne transmission of severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). *Journal of Hospital Infection*, **2021**, 110, 89-96	6.9	130
106	Ten questions concerning green buildings and indoor air quality. *Building and Environment*, **2017**, 112, 351-358	6.5	126
105	Effects of pollution from personal computers on perceived air quality, SBS symptoms and productivity in offices. *Indoor Air*, **2004**, 14, 178-87	5.4	121
104	Questionnaire survey on factors influencing comfort with indoor environmental quality in Danish housing. *Building and Environment*, **2012**, 50, 56-64	6.5	118
103	What does the scientific literature tell us about the ventilation–health relationship in public and residential buildings?. *Building and Environment*, **2015**, 94, 273-286	6.5	104

102	Ten questions concerning thermal and indoor air quality effects on the performance of office work and schoolwork. *Building and Environment*, **2017**, 112, 359-366	6.5	97
101	The effects of bedroom air quality on sleep and next-day performance. *Indoor Air*, **2016**, 26, 679-86	5.4	90
100	Ventilation system type, classroom environmental quality and pupils' perceptions and symptoms. *Building and Environment*, **2014**, 75, 46-57	6.5	85
99	The Effects of Outdoor Air Supply Rate and Supply Air Filter Condition in Classrooms on the Performance of Schoolwork by Children (RP-1257). *HVAC and R Research*, **2007**, 13, 165-191		83
98	The performance and subjective responses of call-center operators with new and used supply air filters at two outdoor air supply rates. *Indoor Air*, **2004**, 14 Suppl 8, 7-16	5.4	82
97	Performance, acute health symptoms and physiological responses during exposure to high air temperature and carbon dioxide concentration. *Building and Environment*, **2017**, 114, 96-105	6.5	73
96	A paradigm shift to combat indoor respiratory infection. *Science*, **2021**, 372, 689-691	33.3	73
95	Association between classroom ventilation mode and learning outcome in Danish schools. *Building and Environment*, **2015**, 92, 494-503	6.5	67
94	Physiological responses during exposure to carbon dioxide and bioeffluents at levels typically occurring indoors. *Indoor Air*, **2017**, 27, 65-77	5.4	63
93	Subjective perceptions, symptom intensity and performance: a comparison of two independent studies, both changing similarly the pollution load in an office. *Indoor Air*, **2002**, 12, 74-80	5.4	63
92	Impacts of a clay plaster on indoor air quality assessed using chemical and sensory measurements. *Building and Environment*, **2012**, 57, 370-376	6.5	61
91	Human responses to carbon dioxide, a follow-up study at recommended exposure limits in non-industrial environments. *Building and Environment*, **2016**, 100, 162-171	6.5	55
90	Reducing burden of disease from residential indoor air exposures in Europe (HEALTHVENT project). *Environmental Health*, **2016**, 15 Suppl 1, 35	6	51
89	Ten questions concerning well-being in the built environment. *Building and Environment*, **2020**, 180, 106949	6.5	47
88	Comparative analysis of modified PMV models and SET models to predict human thermal sensation in naturally ventilated buildings. *Building and Environment*, **2015**, 92, 200-208	6.5	45
87	Air quality in a simulated office environment as a result of reducing pollution sources and increasing ventilation. *Energy and Buildings*, **2002**, 34, 775-783	7	45
86	Sensory pollution sources in buildings. *Indoor Air*, **2004**, 14 Suppl 7, 82-91	5.4	44
85	Indoor environmental quality, occupant perception, prevalence of sick building syndrome symptoms, and sick leave in a Green Mark Platinum-rated versus a non-Green Mark-rated building: A case study. *Science and Technology for the Built Environment*, **2015**, 21, 35-44	1.8	43

84	Human Ammonia Emission Rates under Various Indoor Environmental Conditions. *Environmental Science & Technology*, **2020**, 54, 5419-5428	10.3	40
83	The relationships between classroom air quality and children performance in school. *Building and Environment*, **2020**, 173, 106749	6.5	40
82	Physiological and psychological reactions of sub-tropically acclimatized subjects exposed to different indoor temperatures at a relative humidity of 70. *Indoor Air*, **2019**, 29, 215-230	5.4	40
81	Towards the definition of indicators for assessment of indoor air quality and energy performance in low-energy residential buildings. *Energy and Buildings*, **2017**, 152, 492-502	7	39
80	On the Development of Health-Based Ventilation Guidelines: Principles and Framework. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	38
79	The relationship between classroom temperature and children performance in school. *Building and Environment*, **2019**, 157, 197-204	6.5	37
78	Use of visual CO2 feedback as a retrofit solution for improving classroom air quality. *Indoor Air*, **2015**, 25, 105-14	5.4	37
77	The Effects of Ventilation in Homes on Health. *International Journal of Ventilation*, **2013**, 12, 101-118	1.1	37
76	Field study on thermal comfort and energy saving potential in 11 split air-conditioned office buildings in Changsha, China. *Energy*, **2019**, 182, 471-482	7.9	35
75	Sensory evaluation and chemical analysis of exhaled and dermally emitted bioeffluents. *Indoor Air*, **2018**, 28, 146-163	5.4	35
74	Thermal effects on human performance in office environment measured by integrating task speed and accuracy. *Applied Ergonomics*, **2014**, 45, 490-5	4.2	32
73	Adaptive thermal comfort in naturally ventilated dormitory buildings in Changsha, China. *Energy and Buildings*, **2019**, 186, 56-70	7	31
72	The influence of ozone on self-evaluation of symptoms in a simulated aircraft cabin. *Journal of Exposure Science and Environmental Epidemiology*, **2008**, 18, 272-81	6.7	31
71	Indoor environmental quality, occupant satisfaction, and acute building-related health symptoms in Green Mark-certified compared with non-certified office buildings. *Indoor Air*, **2019**, 29, 112-129	5.4	30
70	Heterogeneous Ozonolysis of Squalene: Gas-Phase Products Depend on Water Vapor Concentration. *Environmental Science & Technology*, **2019**, 53, 14441-14448	10.3	29
69	The Indoor Chemical Human Emissions and Reactivity (ICHEAR) project: Overview of experimental methodology and preliminary results. *Indoor Air*, **2020**, 30, 1213-1228	5.4	28
68	The effect of a photocatalytic air purifier on indoor air quality quantified using different measuring methods. *Building and Environment*, **2010**, 45, 1434-1440	6.5	26
67	Bedroom ventilation: Review of existing evidence and current standards. *Building and Environment*, **2020**, 184, 107229	6.5	26

66	Review of parameters used to assess the quality of the indoor environment in Green Building certification schemes for offices and hotels. *Energy and Buildings*, **2020**, 209, 109683	7	25
65	Changes in EEG signals during the cognitive activity at varying air temperature and relative humidity. *Journal of Exposure Science and Environmental Epidemiology*, **2020**, 30, 285-298	6.7	25
64	Healthy Indoor Environments: The Need for a Holistic Approach. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	25
63	Sensory pollution loads in six office buildings and a department store. *Energy and Buildings*, **2004**, 36, 995-1001	7	21
62	Perceived air quality and cognitive performance decrease at moderately raised indoor temperatures even when clothed for comfort. *Indoor Air*, **2020**, 30, 841-859	5.4	20
61	Cerebral blood flow, fatigue, mental effort, and task performance in offices with two different pollution loads. *Building and Environment*, **2014**, 71, 153-164	6.5	20
60	Can a photocatalytic air purifier be used to improve the perceived air quality indoors?. *Indoor Air*, **2010**, 20, 255-62	5.4	20
59	Determination of material emission signatures by PTR-MS and their correlations with odor assessments by human subjects. *Indoor Air*, **2010**, 20, 341-54	5.4	20
58	The Effects of Electrostatic Particle Filtration and Supply-Air Filter Condition in Classrooms on the Performance of Schoolwork by Children (RP-1257). *HVAC and R Research*, **2008**, 14, 327-344		20
57	How does indoor environmental quality in green refurbished office buildings compare with the one in new certified buildings?. *Building and Environment*, **2020**, 171, 106677	6.5	19
56	Window and door opening behavior, carbon dioxide concentration, temperature, and energy use during the heating season in classrooms with different ventilation retrofits□ASHRAE RP1624. *Science and Technology for the Built Environment*, **2018**, 24, 626-637	1.8	19
55	Development of a novel methodology for indoor emission source identification. *Atmospheric Environment*, **2011**, 45, 3034-3045	5.3	18
54	Reducing classroom temperature in a tropical climate improved the thermal comfort and the performance of elementary school pupils. *Indoor Air*, **2018**, 28, 892-904	5.4	16
53	Measurements of the effects of air quality on sensory perception. *Chemical Senses*, **2001**, 26, 345-8	4.8	16
52	Total OH Reactivity of Emissions from Humans: In Situ Measurement and Budget Analysis. *Environmental Science & Technology*, **2021**, 55, 149-159	10.3	16
51	Respiratory performance of humans exposed to moderate levels of carbon dioxide. *Indoor Air*, **2021**, 31, 1540-1552	5.4	14
50	Model-based approach to account for the variation of primary VOC emissions over time in the identification of indoor VOC sources. *Building and Environment*, **2012**, 57, 403-416	6.5	11
49	Cabin air quality on non-smoking commercial flights: A review of published data on airborne pollutants. *Indoor Air*, **2021**, 31, 926-957	5.4	11

48	Effects of Exposure to Carbon Dioxide and Human Bioeffluents on Cognitive Performance. *Procedia Engineering*, **2015**, 121, 138-142		10
47	Human Emissions of Size-Resolved Fluorescent Aerosol Particles: Influence of Personal and Environmental Factors. *Environmental Science & Technology*, **2021**, 55, 509-518	10.3	10
46	Estimating the impact of indoor relative humidity on SARS-CoV-2 airborne transmission risk using a new modification of the Wells-Riley model. *Building and Environment*, **2021**, 205, 108278	6.5	10
45	Electrostatic Precipitators as an Indoor Air Cleaner—A Literature Review. *Sustainability*, **2020**, 12, 8774	3.6	9
44	Meta-analysis of 35 studies examining the effect of indoor temperature on office work performance. *Building and Environment*, **2021**, 203, 108037	6.5	9
43	The effects of cement-based and cement-ash-based mortar slabs on indoor air quality. *Building and Environment*, **2018**, 135, 213-223	6.5	8
42	Responses to Human Bioeffluents at Levels Recommended by Ventilation Standards. *Procedia Engineering*, **2017**, 205, 609-614		8
41	Respiratory infection risk-based ventilation design method. *Building and Environment*, **2021**, 206, 108387	6.5	8
40	The Proportion of Residences in European Countries with Ventilation Rates below the Regulation Based Limit Value. *International Journal of Ventilation*, **2013**, 12, 129-134	1.1	7
39	Indoor humidity of dwellings and association with building characteristics, behaviors and health in a northern climate. *Building and Environment*, **2021**, 198, 107885	6.5	7
38	TAIL, a new scheme for rating indoor environmental quality in offices and hotels undergoing deep energy renovation (EU ALDREN project). *Energy and Buildings*, **2021**, 244, 111029	7	7
37	Pilot study of the effects of ventilation and ventilation noise on sleep quality in the young and elderly. *Indoor Air*, **2021**, 31, 2226-2238	5.4	6
36	Effect of Increased Cabin Recirculation Airflow Fraction on Relative Humidity, CO2 and TVOC. *Aerospace*, **2021**, 8, 15	2.5	6
35	Emission Rates of Volatile Organic Compounds from Humans.. *Environmental Science & Technology*, **2022**,	10.3	6
34	Emission rate of carbon dioxide while sleeping. *Indoor Air*, **2021**, 31, 2142-2157	5.4	5
33	A survey of bedroom ventilation types and the subjective sleep quality associated with them in Danish housing. *Science of the Total Environment*, **2021**, 798, 149209	10.2	5
32	Comparison of wrist skin temperature with mean skin temperature calculated with Hardy and Dubois's seven-point method while sleeping. *Energy and Buildings*, **2022**, 259, 111894	7	4
31	The effects of ventilation and temperature on sleep quality and next-day work performance: pilot measurements in a climate chamber. *Building and Environment*, **2022**, 209, 108666	6.5	4

30	Effects of window opening on the bedroom environment and resulting sleep quality. *Science and Technology for the Built Environment*,1-21	1.8	4
29	Effects of increased activity level on physiological and subjective responses at different high temperatures. *Building and Environment*, **2021**, 201, 108011	6.5	4
28	The Adaptive Thermal Comfort model may not always predict thermal effects on performance. *Indoor Air*, **2014**, 24, 552-3	5.4	3
27	Ventilation System Type and the Resulting Classroom Temperature and Air Quality During Heating Season. *Lecture Notes in Electrical Engineering*, **2014**, 203-214	0.2	3
26	Ozone Initiates Human-Derived Emission of Nanocluster Aerosols. *Environmental Science & Technology*, **2021**, 55, 14536-14545	10.3	3
25	Investigating the relation between electroencephalogram, thermal comfort, and cognitive performance in neutral to hot indoor environment. *Indoor Air*, **2021**,	5.4	3
24	Study of the measured and perceived indoor air quality in Swedish school classrooms. *IOP Conference Series: Earth and Environmental Science*,588, 032070	0.3	3
23	The effects of warmth and CO concentration, with and without bioeffluents, on the emission of CO by occupants and physiological responses. *Indoor Air*, **2021**, 31, 2176-2187	5.4	3
22	Detailed characterization of bedroom ventilation during heating season in a naturally ventilated semi-detached house and a mechanically ventilated apartment. *Science and Technology for the Built Environment*, **2021**, 27, 158-180	1.8	3
21	Cognitive performance was reduced by higher air temperature even when thermal comfort was maintained over the 24-28°C range. *Indoor Air*, **2021**,	5.4	3
20	Effect of Ozone, Clothing, Temperature, and Humidity on the Total OH Reactivity Emitted from Humans. *Environmental Science & Technology*, **2021**, 55, 13614-13624	10.3	3
19	Warmth and performance: reply to the letter from Leyten and Kurvers (2013). *Indoor Air*, **2013**, 23, 437-8	5.4	2
18	Association of bedroom environment with the sleep quality of elderly subjects in summer: A field measurement in Shanghai, China. *Building and Environment*, **2021**, 208, 108572	6.5	2
17	The future of IEQ in green building certifications. *Buildings and Cities*, **2021**, 2, 907-927	3.3	2
16	Editorial - special issue on Indoor pollutants, chemistry and health. *Building and Environment*, **2015**, 93, 1-2	6.5	1
15	PredicTAIL, a prediction method for indoor environmental quality in buildings undergoing deep energy renovation based on the TAIL rating scheme. *Energy and Buildings*, **2022**, 258, 111839	7	1
14	Breathing zone and exhaled air re-inhalation rate under transient conditions assessed with a computer-simulated person.. *Indoor Air*, **2022**, 32, e13003	5.4	1
13	CO2 emission rates from sedentary subjects under controlled laboratory conditions. *Building and Environment*, **2022**, 211, 108735	6.5	1

12	IAQ in Commercial Air Transportation **2022**, 1-38		1
11	The influence of the combined effect of draught and radiant thermal asymmetry on human performance. *E3S Web of Conferences*, **2019**, 111, 06004	0.5	0
10	Effects of Classroom Air Quality on Learning in Schools **2022**, 1-13		0
9	Human metabolic emissions of carbon dioxide and methane and their implications for carbon emissions.. *Science of the Total Environment*, **2022**, 155241	10.2	0
8	Occupant Emissions and Chemistry **2021**, 1-27		
7	Effect of increased cabin recirculation airflow fraction on relative humidity, CO2 and TVOC. *IOP Conference Series: Materials Science and Engineering*, **2021**, 1024, 012092	0.4	
6	Occupant Emissions and Chemistry **2022**, 1-27		
5	Effects from Exposures to Human Bioeffluents and Carbon Dioxide **2022**, 1-12		
4	Response to the Letter to the Editor sent by Judith Anderson, industrial hygienist at the association of flight attendants.. *Indoor Air*, **2022**, 32, e13006	5.4	
3	Economic Consequences **2022**, 1-11		
2	A European project SysPAQ467-480		
1	Indoor Air Quality in Commercial Air Transportation **2022**, 1-38		