

# Pawel Wargocki

## 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.

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	Comparison of wrist skin temperature with mean skin temperature calculated with Hardy and Dubois's seven-point method while sleeping. <i>Energy and Buildings</i> , <b>2022</b> , 259, 111894	7	4
118	PredicTAIL, a prediction method for indoor environmental quality in buildings undergoing deep energy renovation based on the TAIL rating scheme. <i>Energy and Buildings</i> , <b>2022</b> , 258, 111839	7	1
117	Breathing zone and exhaled air re-inhalation rate under transient conditions assessed with a computer-simulated person.. <i>Indoor Air</i> , <b>2022</b> , 32, e13003	5.4	1
116	The effects of ventilation and temperature on sleep quality and next-day work performance: pilot measurements in a climate chamber. <i>Building and Environment</i> , <b>2022</b> , 209, 108666	6.5	4
115	CO2 emission rates from sedentary subjects under controlled laboratory conditions. <i>Building and Environment</i> , <b>2022</b> , 211, 108735	6.5	1
114	Occupant Emissions and Chemistry <b>2022</b> , 1-27		
113	IAQ in Commercial Air Transportation <b>2022</b> , 1-38		1
112	Effects from Exposures to Human Bioeffluents and Carbon Dioxide <b>2022</b> , 1-12		
111	Response to the Letter to the Editor sent by Judith Anderson, industrial hygienist at the association of flight attendants.. <i>Indoor Air</i> , <b>2022</b> , 32, e13006	5.4	
110	Emission Rates of Volatile Organic Compounds from Humans.. <i>Environmental Science &amp; Technology</i> , <b>2022</b> ,	10.3	6
109	Effects of Classroom Air Quality on Learning in Schools <b>2022</b> , 1-13		0
108	Economic Consequences <b>2022</b> , 1-11		
107	Human metabolic emissions of carbon dioxide and methane and their implications for carbon emissions.. <i>Science of the Total Environment</i> , <b>2022</b> , 155241	10.2	0
106	Indoor Air Quality in Commercial Air Transportation <b>2022</b> , 1-38		
105	Association of bedroom environment with the sleep quality of elderly subjects in summer: A field measurement in Shanghai, China. <i>Building and Environment</i> , <b>2021</b> , 208, 108572	6.5	2
104	Occupant Emissions and Chemistry <b>2021</b> , 1-27		
103	The future of IEQ in green building certifications. <i>Buildings and Cities</i> , <b>2021</b> , 2, 907-927	3.3	2

102	Ozone Initiates Human-Derived Emission of Nanocluster Aerosols. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 14536-14545	10.3	3
101	Investigating the relation between electroencephalogram, thermal comfort, and cognitive performance in neutral to hot indoor environment. <i>Indoor Air</i> , <b>2021</b> ,	5.4	3
100	The effects of warmth and CO concentration, with and without bioeffluents, on the emission of CO by occupants and physiological responses. <i>Indoor Air</i> , <b>2021</b> , 31, 2176-2187	5.4	3
99	Cabin air quality on non-smoking commercial flights: A review of published data on airborne pollutants. <i>Indoor Air</i> , <b>2021</b> , 31, 926-957	5.4	11
98	Dismantling myths on the airborne transmission of severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). <i>Journal of Hospital Infection</i> , <b>2021</b> , 110, 89-96	6.9	130
97	Respiratory performance of humans exposed to moderate levels of carbon dioxide. <i>Indoor Air</i> , <b>2021</b> , 31, 1540-1552	5.4	14
96	A paradigm shift to combat indoor respiratory infection. <i>Science</i> , <b>2021</b> , 372, 689-691	33.3	73
95	Pilot study of the effects of ventilation and ventilation noise on sleep quality in the young and elderly. <i>Indoor Air</i> , <b>2021</b> , 31, 2226-2238	5.4	6
94	Indoor humidity of dwellings and association with building characteristics, behaviors and health in a northern climate. <i>Building and Environment</i> , <b>2021</b> , 198, 107885	6.5	7
93	Total OH Reactivity of Emissions from Humans: In Situ Measurement and Budget Analysis. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 149-159	10.3	16
92	Human Emissions of Size-Resolved Fluorescent Aerosol Particles: Influence of Personal and Environmental Factors. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 509-518	10.3	10
91	Detailed characterization of bedroom ventilation during heating season in a naturally ventilated semi-detached house and a mechanically ventilated apartment. <i>Science and Technology for the Built Environment</i> , <b>2021</b> , 27, 158-180	1.8	3
90	Effect of Increased Cabin Recirculation Airflow Fraction on Relative Humidity, CO <sub>2</sub> and TVOC. <i>Aerospace</i> , <b>2021</b> , 8, 15	2.5	6
89	Effect of increased cabin recirculation airflow fraction on relative humidity, CO <sub>2</sub> and TVOC. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2021</b> , 1024, 012092	0.4	
88	Cognitive performance was reduced by higher air temperature even when thermal comfort was maintained over the 24-28°C range. <i>Indoor Air</i> , <b>2021</b> ,	5.4	3
87	Effects of increased activity level on physiological and subjective responses at different high temperatures. <i>Building and Environment</i> , <b>2021</b> , 201, 108011	6.5	4
86	TAIL, a new scheme for rating indoor environmental quality in offices and hotels undergoing deep energy renovation (EU ALDREN project). <i>Energy and Buildings</i> , <b>2021</b> , 244, 111029	7	7
85	Emission rate of carbon dioxide while sleeping. <i>Indoor Air</i> , <b>2021</b> , 31, 2142-2157	5.4	5

84	Effect of Ozone, Clothing, Temperature, and Humidity on the Total OH Reactivity Emitted from Humans. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 13614-13624	10.3	3
83	Meta-analysis of 35 studies examining the effect of indoor temperature on office work performance. <i>Building and Environment</i> , <b>2021</b> , 203, 108037	6.5	9
82	Estimating the impact of indoor relative humidity on SARS-CoV-2 airborne transmission risk using a new modification of the Wells-Riley model. <i>Building and Environment</i> , <b>2021</b> , 205, 108278	6.5	10
81	Respiratory infection risk-based ventilation design method. <i>Building and Environment</i> , <b>2021</b> , 206, 108387	6.5	8
80	A survey of bedroom ventilation types and the subjective sleep quality associated with them in Danish housing. <i>Science of the Total Environment</i> , <b>2021</b> , 798, 149209	10.2	5
79	Electrostatic Precipitators as an Indoor Air Cleaner: A Literature Review. <i>Sustainability</i> , <b>2020</b> , 12, 8774	3.6	9
78	Perceived air quality and cognitive performance decrease at moderately raised indoor temperatures even when clothed for comfort. <i>Indoor Air</i> , <b>2020</b> , 30, 841-859	5.4	20
77	Ten questions concerning well-being in the built environment. <i>Building and Environment</i> , <b>2020</b> , 180, 106949	4.9	47
76	How can airborne transmission of COVID-19 indoors be minimised?. <i>Environment International</i> , <b>2020</b> , 142, 105832	12.9	525
75	The Indoor Chemical Human Emissions and Reactivity (ICHEAR) project: Overview of experimental methodology and preliminary results. <i>Indoor Air</i> , <b>2020</b> , 30, 1213-1228	5.4	28
74	Human Ammonia Emission Rates under Various Indoor Environmental Conditions. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 5419-5428	10.3	40
73	The relationships between classroom air quality and children's performance in school. <i>Building and Environment</i> , <b>2020</b> , 173, 106749	6.5	40
72	How does indoor environmental quality in green refurbished office buildings compare with the one in new certified buildings?. <i>Building and Environment</i> , <b>2020</b> , 171, 106677	6.5	19
71	Review of parameters used to assess the quality of the indoor environment in Green Building certification schemes for offices and hotels. <i>Energy and Buildings</i> , <b>2020</b> , 209, 109683	7	25
70	Bedroom ventilation: Review of existing evidence and current standards. <i>Building and Environment</i> , <b>2020</b> , 184, 107229	6.5	26
69	Changes in EEG signals during the cognitive activity at varying air temperature and relative humidity. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2020</b> , 30, 285-298	6.7	25
68	Adaptive thermal comfort in naturally ventilated dormitory buildings in Changsha, China. <i>Energy and Buildings</i> , <b>2019</b> , 186, 56-70	7	31
67	Field study on thermal comfort and energy saving potential in 11 split air-conditioned office buildings in Changsha, China. <i>Energy</i> , <b>2019</b> , 182, 471-482	7.9	35

66	The relationship between classroom temperature and children's performance in school. <i>Building and Environment</i> , <b>2019</b> , 157, 197-204	6.5	37
65	The influence of the combined effect of draught and radiant thermal asymmetry on human performance. <i>E3S Web of Conferences</i> , <b>2019</b> , 111, 06004	0.5	0
64	Heterogeneous Ozonolysis of Squalene: Gas-Phase Products Depend on Water Vapor Concentration. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 14441-14448	10.3	29
63	Indoor environmental quality, occupant satisfaction, and acute building-related health symptoms in Green Mark-certified compared with non-certified office buildings. <i>Indoor Air</i> , <b>2019</b> , 29, 112-129	5.4	30
62	Physiological and psychological reactions of sub-tropically acclimatized subjects exposed to different indoor temperatures at a relative humidity of 70. <i>Indoor Air</i> , <b>2019</b> , 29, 215-230	5.4	40
61	Window and door opening behavior, carbon dioxide concentration, temperature, and energy use during the heating season in classrooms with different ventilation retrofitsASHRAE RP1624. <i>Science and Technology for the Built Environment</i> , <b>2018</b> , 24, 626-637	1.8	19
60	The effects of cement-based and cement-ash-based mortar slabs on indoor air quality. <i>Building and Environment</i> , <b>2018</b> , 135, 213-223	6.5	8
59	Sensory evaluation and chemical analysis of exhaled and dermally emitted bioeffluents. <i>Indoor Air</i> , <b>2018</b> , 28, 146-163	5.4	35
58	On the Development of Health-Based Ventilation Guidelines: Principles and Framework. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	38
57	Reducing classroom temperature in a tropical climate improved the thermal comfort and the performance of elementary school pupils. <i>Indoor Air</i> , <b>2018</b> , 28, 892-904	5.4	16
56	Healthy Indoor Environments: The Need for a Holistic Approach. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	25
55	Physiological responses during exposure to carbon dioxide and bioeffluents at levels typically occurring indoors. <i>Indoor Air</i> , <b>2017</b> , 27, 65-77	5.4	63
54	Effects of exposure to carbon dioxide and bioeffluents on perceived air quality, self-assessed acute health symptoms, and cognitive performance. <i>Indoor Air</i> , <b>2017</b> , 27, 47-64	5.4	142
53	Performance, acute health symptoms and physiological responses during exposure to high air temperature and carbon dioxide concentration. <i>Building and Environment</i> , <b>2017</b> , 114, 96-105	6.5	73
52	Towards the definition of indicators for assessment of indoor air quality and energy performance in low-energy residential buildings. <i>Energy and Buildings</i> , <b>2017</b> , 152, 492-502	7	39
51	Ten questions concerning thermal and indoor air quality effects on the performance of office work and schoolwork. <i>Building and Environment</i> , <b>2017</b> , 112, 359-366	6.5	97
50	Ten questions concerning green buildings and indoor air quality. <i>Building and Environment</i> , <b>2017</b> , 112, 351-358	6.5	126
49	Responses to Human Bioeffluents at Levels Recommended by Ventilation Standards. <i>Procedia Engineering</i> , <b>2017</b> , 205, 609-614		8

48	Human responses to carbon dioxide, a follow-up study at recommended exposure limits in non-industrial environments. <i>Building and Environment</i> , <b>2016</b> , 100, 162-171	6.5	55
47	Reducing burden of disease from residential indoor air exposures in Europe (HEALTHVENT project). <i>Environmental Health</i> , <b>2016</b> , 15 Suppl 1, 35	6	51
46	The effects of bedroom air quality on sleep and next-day performance. <i>Indoor Air</i> , <b>2016</b> , 26, 679-86	5.4	90
45	Editorial - special issue on Indoor pollutants, chemistry and health. <i>Building and Environment</i> , <b>2015</b> , 93, 1-2	6.5	1
44	Association between classroom ventilation mode and learning outcome in Danish schools. <i>Building and Environment</i> , <b>2015</b> , 92, 494-503	6.5	67
43	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. <i>Science and Technology for the Built Environment</i> , <b>2015</b> , 21, 35-44	1.8	43
42	Use of visual CO2 feedback as a retrofit solution for improving classroom air quality. <i>Indoor Air</i> , <b>2015</b> , 25, 105-14	5.4	37
41	What does the scientific literature tell us about the ventilationHealth relationship in public and residential buildings?. <i>Building and Environment</i> , <b>2015</b> , 94, 273-286	6.5	104
40	Effects of Exposure to Carbon Dioxide and Human Bioeffluents on Cognitive Performance. <i>Procedia Engineering</i> , <b>2015</b> , 121, 138-142		10
39	Comparative analysis of modified PMV models and SET models to predict human thermal sensation in naturally ventilated buildings. <i>Building and Environment</i> , <b>2015</b> , 92, 200-208	6.5	45
38	Ventilation system type, classroom environmental quality and pupils' perceptions and symptoms. <i>Building and Environment</i> , <b>2014</b> , 75, 46-57	6.5	85
37	Cerebral blood flow, fatigue, mental effort, and task performance in offices with two different pollution loads. <i>Building and Environment</i> , <b>2014</b> , 71, 153-164	6.5	20
36	The Adaptive Thermal Comfort model may not always predict thermal effects on performance. <i>Indoor Air</i> , <b>2014</b> , 24, 552-3	5.4	3
35	Ventilation System Type and the Resulting Classroom Temperature and Air Quality During Heating Season. <i>Lecture Notes in Electrical Engineering</i> , <b>2014</b> , 203-214	0.2	3
34	Thermal effects on human performance in office environment measured by integrating task speed and accuracy. <i>Applied Ergonomics</i> , <b>2014</b> , 45, 490-5	4.2	32
33	Providing better thermal and air quality conditions in school classrooms would be cost-effective. <i>Building and Environment</i> , <b>2013</b> , 59, 581-589	6.5	145
32	Warmth and performance: reply to the letter from Leyten and Kurvers (2013). <i>Indoor Air</i> , <b>2013</b> , 23, 437-85.4		2
31	The Effects of Ventilation in Homes on Health. <i>International Journal of Ventilation</i> , <b>2013</b> , 12, 101-118	1.1	37

30	The Proportion of Residences in European Countries with Ventilation Rates below the Regulation Based Limit Value. <i>International Journal of Ventilation</i> , <b>2013</b> , 12, 129-134	1.1	7
29	Impacts of a clay plaster on indoor air quality assessed using chemical and sensory measurements. <i>Building and Environment</i> , <b>2012</b> , 57, 370-376	6.5	61
28	Model-based approach to account for the variation of primary VOC emissions over time in the identification of indoor VOC sources. <i>Building and Environment</i> , <b>2012</b> , 57, 403-416	6.5	11
27	Quantitative relationships between occupant satisfaction and satisfaction aspects of indoor environmental quality and building design. <i>Indoor Air</i> , <b>2012</b> , 22, 119-31	5.4	292
26	Questionnaire survey on factors influencing comfort with indoor environmental quality in Danish housing. <i>Building and Environment</i> , <b>2012</b> , 50, 56-64	6.5	118
25	Effects of thermal discomfort in an office on perceived air quality, SBS symptoms, physiological responses, and human performance. <i>Indoor Air</i> , <b>2011</b> , 21, 376-90	5.4	179
24	Development of a novel methodology for indoor emission source identification. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 3034-3045	5.3	18
23	Can commonly-used fan-driven air cleaning technologies improve indoor air quality? A literature review. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 4329-4343	5.3	165
22	Literature survey on how different factors influence human comfort in indoor environments. <i>Building and Environment</i> , <b>2011</b> , 46, 922-937	6.5	579
21	Quantitative measurement of productivity loss due to thermal discomfort. <i>Energy and Buildings</i> , <b>2011</b> , 43, 1057-1062	7	189
20	Can a photocatalytic air purifier be used to improve the perceived air quality indoors?. <i>Indoor Air</i> , <b>2010</b> , 20, 255-62	5.4	20
19	Determination of material emission signatures by PTR-MS and their correlations with odor assessments by human subjects. <i>Indoor Air</i> , <b>2010</b> , 20, 341-54	5.4	20
18	The effect of a photocatalytic air purifier on indoor air quality quantified using different measuring methods. <i>Building and Environment</i> , <b>2010</b> , 45, 1434-1440	6.5	26
17	The influence of ozone on self-evaluation of symptoms in a simulated aircraft cabin. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2008</b> , 18, 272-81	6.7	31
16	The Effects of Electrostatic Particle Filtration and Supply-Air Filter Condition in Classrooms on the Performance of Schoolwork by Children (RP-1257). <i>HVAC and R Research</i> , <b>2008</b> , 14, 327-344		20
15	The Effects of Moderately Raised Classroom Temperatures and Classroom Ventilation Rate on the Performance of Schoolwork by Children (RP-1257). <i>HVAC and R Research</i> , <b>2007</b> , 13, 193-220		173
14	The Effects of Outdoor Air Supply Rate and Supply Air Filter Condition in Classrooms on the Performance of Schoolwork by Children (RP-1257). <i>HVAC and R Research</i> , <b>2007</b> , 13, 165-191		83
13	Effects of pollution from personal computers on perceived air quality, SBS symptoms and productivity in offices. <i>Indoor Air</i> , <b>2004</b> , 14, 178-87	5.4	121

12	Sensory pollution sources in buildings. <i>Indoor Air</i> , <b>2004</b> , 14 Suppl 7, 82-91	5-4	44
11	The performance and subjective responses of call-center operators with new and used supply air filters at two outdoor air supply rates. <i>Indoor Air</i> , <b>2004</b> , 14 Suppl 8, 7-16	5-4	82
10	Sensory pollution loads in six office buildings and a department store. <i>Energy and Buildings</i> , <b>2004</b> , 36, 995-1001	7	21
9	Subjective perceptions, symptom intensity and performance: a comparison of two independent studies, both changing similarly the pollution load in an office. <i>Indoor Air</i> , <b>2002</b> , 12, 74-80	5-4	63
8	Ventilation and health in non-industrial indoor environments: report from a European multidisciplinary scientific consensus meeting (EUROVEN). <i>Indoor Air</i> , <b>2002</b> , 12, 113-28	5-4	250
7	Air quality in a simulated office environment as a result of reducing pollution sources and increasing ventilation. <i>Energy and Buildings</i> , <b>2002</b> , 34, 775-783	7	45
6	Measurements of the effects of air quality on sensory perception. <i>Chemical Senses</i> , <b>2001</b> , 26, 345-8	4.8	16
5	The effects of outdoor air supply rate in an office on perceived air quality, sick building syndrome (SBS) symptoms and productivity. <i>Indoor Air</i> , <b>2000</b> , 10, 222-36	5-4	368
4	Perceived air quality, sick building syndrome (SBS) symptoms and productivity in an office with two different pollution loads. <i>Indoor Air</i> , <b>1999</b> , 9, 165-79	5-4	300
3	Study of the measured and perceived indoor air quality in Swedish school classrooms. <i>IOP Conference Series: Earth and Environmental Science</i> , 588, 032070	0.3	3
2	Effects of window opening on the bedroom environment and resulting sleep quality. <i>Science and Technology for the Built Environment</i> , 1-21	1.8	4
1	A European project SysPAQ467-480		