

# J Toftum

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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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.

70  
papers

4,151  
citations

36  
h-index

64  
g-index

72  
ext. papers

4,738  
ext. citations

5.4  
avg, IF

5.49  
L-index

#	Paper	IF	Citations
70	Perceptive and physiological adaptation of migrants with different thermal experiences: A long-term climate chamber experiment. <i>Building and Environment</i> , <b>2022</b> , 211, 108727	6.5	0
69	Analysis of draught discomfort prediction models. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2069, 012236		
68	Predicted and user perceived heat strain using the ClimApp mobile tool for individualized alert and advice. <i>Climate Risk Management</i> , <b>2021</b> , 34, 100381	4.6	
67	ClimApp-Integrating Personal Factors with Weather Forecasts for Individualised Warning and Guidance on Thermal Stress. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	1
66	Development of a tool to predict the socio-economic consequences of better air quality and temperature control in classrooms. <i>Energy and Buildings</i> , <b>2021</b> , 250, 111274	7	0
65	Removal of Organic Acids from Indoor Air in Museum Storage Rooms by Active and Passive Sorption Techniques. <i>Studies in Conservation</i> , <b>2020</b> , 65, 251-261	0.6	3
64	Comparing predictions by existing explicit emission models to real world observations of formaldehyde emissions from solid materials. <i>Building Simulation</i> , <b>2020</b> , 13, 185-195	3.9	6
63	Effect of formaldehyde on ventilation rate and energy demand in Danish homes: Development of emission models and building performance simulation. <i>Building Simulation</i> , <b>2020</b> , 13, 197-212	3.9	8
62	Thermal adaptation in occupant-driven HVAC control. <i>Journal of Building Engineering</i> , <b>2019</b> , 25, 100846	5.2	18
61	Prediction of Indoor Air Temperature Using Weather Data and Simple Building Descriptors. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	5
60	Window and door opening behavior, carbon dioxide concentration, temperature, and energy use during the heating season in classrooms with different ventilation retrofits. ASHRAE RP1624. <i>Science and Technology for the Built Environment</i> , <b>2018</b> , 24, 626-637	1.8	19
59	Fifty years of Fanger's equation: Is there anything to discover yet?. <i>International Journal of Industrial Ergonomics</i> , <b>2018</b> , 66, 157-160	2.9	27
58	Development of the ASHRAE Global Thermal Comfort Database II. <i>Building and Environment</i> , <b>2018</b> , 142, 502-512	6.5	164
57	Comparison of Geometrical Layouts for a Multi-Box Aerosol Model from a Single-Chamber Dispersion Study. <i>Environments - MDPI</i> , <b>2018</b> , 5, 52	3.2	10
56	Occupant response to different correlated colour temperatures of white LED lighting. <i>Building and Environment</i> , <b>2018</b> , 143, 258-268	6.5	31
55	Dermal uptake of nicotine from air and clothing: Experimental verification. <i>Indoor Air</i> , <b>2018</b> , 28, 247-257	5.4	39
54	Dermal Uptake of Benzophenone-3 from Clothing. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 11371-11379	10.3	29

53	Measurements of dermal uptake of nicotine directly from air and clothing. <i>Indoor Air</i> , <b>2017</b> , 27, 427-433	5.4	34
52	Role of clothing in both accelerating and impeding dermal absorption of airborne SVOCs. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2016</b> , 26, 113-8	6.7	97
51	Diurnal and seasonal variation in air exchange rates and interzonal airflows measured by active and passive tracer gas in homes. <i>Building and Environment</i> , <b>2016</b> , 104, 178-187	6.5	37
50	The effects of acoustical refurbishment of classrooms on teachers' perceived noise exposure and noise-related health symptoms. <i>International Archives of Occupational and Environmental Health</i> , <b>2016</b> , 89, 341-50	3.2	8
49	Nearly-zero energy buildings. <i>Science and Technology for the Built Environment</i> , <b>2016</b> , 22, 883-884	1.8	1
48	Organophosphate esters in dust samples collected from Danish homes and daycare centers. <i>Chemosphere</i> , <b>2016</b> , 154, 559-566	8.4	49
47	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
46	Field study of the indoor environment in a Danish prison. <i>Building and Environment</i> , <b>2015</b> , 88, 20-26	6.5	3
45	Contribution of various microenvironments to the daily personal exposure to ultrafine particles: Personal monitoring coupled with GPS tracking. <i>Atmospheric Environment</i> , <b>2015</b> , 110, 122-129	5.3	46
44	Comfort and performance impact of personal control over thermal environment in summer: Results from a laboratory study. <i>Building and Environment</i> , <b>2015</b> , 87, 315-326	6.5	58
43	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> , <b>2015</b> , 21, 1075-1090	1.8	15
42	Field measurements of perceived air quality and concentration of volatile organic compounds in four offices of the university building. <i>Indoor and Built Environment</i> , <b>2015</b> , 24, 1048-1058	1.8	9
41	Transdermal Uptake of Diethyl Phthalate and Di(n-butyl) Phthalate Directly from Air: Experimental Verification. <i>Environmental Health Perspectives</i> , <b>2015</b> , 123, 928-34	8.4	126
40	Phthalate exposure through different pathways and allergic sensitization in preschool children with asthma, allergic rhinoconjunctivitis and atopic dermatitis. <i>Environmental Research</i> , <b>2015</b> , 137, 432-9	7.9	79
39	Phthalate metabolites in urine samples from Danish children and correlations with phthalates in dust samples from their homes and daycare centers. <i>International Journal of Hygiene and Environmental Health</i> , <b>2014</b> , 217, 78-87	6.9	98
38	Phthalate metabolites in urine and asthma, allergic rhinoconjunctivitis and atopic dermatitis in preschool children. <i>International Journal of Hygiene and Environmental Health</i> , <b>2014</b> , 217, 645-52	6.9	41
37	Indoor temperatures for optimum thermal comfort and human performance - reply to the letter by Wyon and Wargocki. <i>Indoor Air</i> , <b>2014</b> , 24, 554-5	5.4	3
36	Associations between selected allergens, phthalates, nicotine, polycyclic aromatic hydrocarbons, and bedroom ventilation and clinically confirmed asthma, rhinoconjunctivitis, and atopic dermatitis in preschool children. <i>Indoor Air</i> , <b>2014</b> , 24, 136-47	5.4	40

35	Window opening behaviour modelled from measurements in Danish dwellings. <i>Building and Environment</i> , <b>2013</b> , 69, 101-113	6.5	182
34	Ultrafine particles: exposure and source apportionment in 56 Danish homes. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 10240-8	10.3	32
33	Progress in thermal comfort research over the last twenty years. <i>Indoor Air</i> , <b>2013</b> , 23, 442-61	5.4	277
32	Children's phthalate intakes and resultant cumulative exposures estimated from urine compared with estimates from dust ingestion, inhalation and dermal absorption in their homes and daycare centers. <i>PLoS ONE</i> , <b>2013</b> , 8, e62442	3.7	190
31	Children's health and its association with indoor environments in Danish homes and daycare centres - methods. <i>Indoor Air</i> , <b>2012</b> , 22, 467-75	5.4	30
30	Implementation of multivariate linear mixed-effects models in the analysis of indoor climate performance experiments. <i>International Journal of Biometeorology</i> , <b>2012</b> , 56, 129-36	3.7	2
29	The impact of a photocatalytic paint on indoor air pollutants: Sensory assessments. <i>Building and Environment</i> , <b>2012</b> , 57, 396-402	6.5	27
28	Reflections on the state of research: indoor environmental quality. <i>Indoor Air</i> , <b>2011</b> , 21, 219-30	5.4	24
27	Simulation of energy use, human thermal comfort and office work performance in buildings with moderately drifting operative temperatures. <i>Energy and Buildings</i> , <b>2011</b> , 43, 2988-2997	7	32
26	Modeling ventilation rates in bedrooms based on building characteristics and occupant behavior. <i>Building and Environment</i> , <b>2011</b> , 46, 2230-2237	6.5	65
25	Squalene and cholesterol in dust from danish homes and daycare centers. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 3872-9	10.3	47
24	Differences between young adults and elderly in thermal comfort, productivity, and thermal physiology in response to a moderate temperature drift and a steady-state condition. <i>Indoor Air</i> , <b>2010</b> , 20, 273-83	5.4	184
23	Influence on Occupant Responses of Behavioral Modification of Clothing Insulation in Nonsteady Thermal Environments (RP-1269). <i>HVAC and R Research</i> , <b>2010</b> , 16, 59-74		5
22	Phthalate and PAH concentrations in dust collected from Danish homes and daycare centers. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 2294-2301	5.3	138
21	Central automatic control or distributed occupant control for better indoor environment quality in the future. <i>Building and Environment</i> , <b>2010</b> , 45, 23-28	6.5	45
20	Ventilation rates in the bedrooms of 500 Danish children. <i>Building and Environment</i> , <b>2010</b> , 45, 2289-2295	6.5	130
19	Occupant Responses and Office Work Performance in Environments with Moderately Drifting Operative Temperatures (RP-1269). <i>HVAC and R Research</i> , <b>2009</b> , 15, 931-960		34
18	Occupant performance and building energy consumption with different philosophies of determining acceptable thermal conditions. <i>Building and Environment</i> , <b>2009</b> , 44, 2009-2016	6.5	55

17	Survey of occupant behaviour and control of indoor environment in Danish dwellings. <i>Energy and Buildings</i> , <b>2009</b> , 41, 11-16	7	241
16	A Bayesian Network approach to the evaluation of building design and its consequences for employee performance and operational costs. <i>Building and Environment</i> , <b>2009</b> , 44, 456-462	6.5	83
15	Secondary organic aerosols from ozone-initiated reactions with emissions from wood-based materials and a green paint. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 7632-7640	5.3	39
14	Indoor air quality and occupant satisfaction in five mechanically and four naturally ventilated open-plan office buildings. <i>Building and Environment</i> , <b>2007</b> , 42, 4051-4058	6.5	55
13	Influence of ozone-limonene reactions on perceived air quality. <i>Indoor Air</i> , <b>2006</b> , 16, 168-78	5.4	37
12	Thermal sensation and thermophysiological responses to metabolic step-changes. <i>International Journal of Biometeorology</i> , <b>2006</b> , 50, 323-32	3.7	63
11	Air movement--good or bad?. <i>Indoor Air</i> , <b>2004</b> , 14 Suppl 7, 40-5	5.4	87
10	Human projected area factors for detailed direct and diffuse solar radiation analysis. <i>International Journal of Biometeorology</i> , <b>2004</b> , 49, 113-29	3.7	30
9	New indoor environment chambers and field experiment offices for research on human comfort, health and productivity at moderate energy expenditure. <i>Energy and Buildings</i> , <b>2004</b> , 36, 899-903	7	36
8	Human Response to Air Movement Evaluation of ASHRAE's Draft Criteria (RP-843). <i>HVAC and R Research</i> , <b>2003</b> , 9, 187-202		21
7	Extension of the PMV model to non-air-conditioned buildings in warm climates. <i>Energy and Buildings</i> , <b>2002</b> , 34, 533-536	7	429
6	Human response to combined indoor environment exposures. <i>Energy and Buildings</i> , <b>2002</b> , 34, 601-606	7	46
5	Upper limits for indoor air humidity to avoid uncomfortably humid skin. <i>Energy and Buildings</i> , <b>1998</b> , 28, 1-13	7	99
4	Upper limits of air humidity for preventing warm respiratory discomfort. <i>Energy and Buildings</i> , <b>1998</b> , 28, 15-23	7	126
3	Impact of metabolic rate on human response to air movements during work in cool environments. <i>International Journal of Industrial Ergonomics</i> , <b>1996</b> , 18, 307-316	2.9	30
2	Draught sensitivity is influenced by general thermal sensation. <i>International Journal of Industrial Ergonomics</i> , <b>1996</b> , 18, 295-305	2.9	59
1	Lighting conditions in physiotherapy centres: A comparative field study. <i>Lighting Research and Technology</i> , 147715352110465	2	0