# J Toftum

## List of Publications by Year in descending order



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|---|---|---|---|
| 72 papers | 5,361 citations | 76196 40 h-index | 95083 68 g-index |
| 72 all docs | 72 docs citations | 72 times ranked | 4469 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Extension of the PMV model to non-air-conditioned buildings in warm climates. Energy and Buildings, 2002, 34, 533-536. | 3.1 | 571 |
| 2 | Progress in thermal comfort research over the last twenty years. Indoor Air, 2013, 23, 442-461. | 2.0 | 363 |
| 3 | Survey of occupant behaviour and control of indoor environment in Danish dwellings. Energy and Buildings, 2009, 41, 11-16. | 3.1 | 297 |
| 4 | Development of the ASHRAE Global Thermal Comfort Database II. Building and Environment, 2018, 142, 502-512. | 3.0 | 279 |
| 5 | 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. Indoor Air, 2010, 20, 273-283. | 2.0 | 257 |
| 6 | Childrenâ€™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. PLoS ONE, 2013, 8, e62442. | 1.1 | 244 |
| 7 | Window opening behaviour modelled from measurements in Danish dwellings. Building and Environment, 2013, 69, 101-113. | 3.0 | 223 |
| 8 | Phthalate and PAH concentrations in dust collected from Danish homes and daycare centers. Atmospheric Environment, 2010, 44, 2294-2301. | 1.9 | 165 |
| 9 | Ventilation rates in the bedrooms of 500 Danish children. Building and Environment, 2010, 45, 2289-2295. | 3.0 | 162 |
| 10 | Transdermal Uptake of Diethyl Phthalate and Di( n -butyl) Phthalate Directly from Air: Experimental Verification. Environmental Health Perspectives, 2015, 123, 928-934. | 2.8 | 158 |
| 11 | Upper limits of air humidity for preventing warm respiratory discomfort. Energy and Buildings, 1998, 28, 15-23. | 3.1 | 149 |
| 12 | Phthalate metabolites in urine samples from Danish children and correlations with phthalates in dust samples from their homes and daycare centers. International Journal of Hygiene and Environmental Health, 2014, 217, 78-87. | 2.1 | 119 |
| 13 | Upper limits for indoor air humidity to avoid uncomfortably humid skin. Energy and Buildings, 1998, 28, 1-13. | 3.1 | 115 |
| 14 | Role of clothing in both accelerating and impeding dermal absorption of airborne SVOCs. Journal of Exposure Science and Environmental Epidemiology, 2016, 26, 113-118. | 1.8 | 113 |
| 15 | A Bayesian Network approach to the evaluation of building design and its consequences for employee performance and operational costs. Building and Environment, 2009, 44, 456-462. | 3.0 | 100 |
| 16 | Air movement - good or bad?. Indoor Air, 2004, 14, 40-45. | 2.0 | 97 |
| 17 | Phthalate exposure through different pathways and allergic sensitization in preschool children with asthma, allergic rhinoconjunctivitis and atopic dermatitis. Environmental Research, 2015, 137, 432-439. | 3.7 | 96 |
| 18 | Thermal sensation and thermophysiological responses to metabolic step-changes. International Journal of Biometeorology, 2006, 50, 323-332. | 1.3 | 93 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Association between classroom ventilation mode and learning outcome in Danish schools. Building and Environment, 2015, 92, 494-503. | 3.0 | 92 |
| 20 | Modeling ventilation rates in bedrooms based on building characteristics and occupant behavior. Building and Environment, 2011, 46, 2230-2237. | 3.0 | 77 |
| 21 | Comfort and performance impact of personal control over thermal environment in summer: Results from a laboratory study. Building and Environment, 2015, 87, 315-326. | 3.0 | 77 |
| 22 | Draught sensitivity is influenced by general thermal sensation. International Journal of Industrial Ergonomics, 1996, 18, 295-305. | 1.5 | 68 |
| 23 | Contribution of various microenvironments to the daily personal exposure to ultrafine particles: Personal monitoring coupled with GPS tracking. Atmospheric Environment, 2015, 110, 122-129. | 1.9 | 68 |
| 24 | Indoor air quality and occupant satisfaction in five mechanically and four naturally ventilated open-plan office buildings. Building and Environment, 2007, 42, 4051-4058. | 3.0 | 64 |
| 25 | Occupant performance and building energy consumption with different philosophies of determining acceptable thermal conditions. Building and Environment, 2009, 44, 2009-2016. | 3.0 | 64 |
| 26 | Organophosphate esters in dust samples collected from Danish homes and daycare centers. Chemosphere, 2016, 154, 559-566. | 4.2 | 61 |
| 27 | Central automatic control or distributed occupant control for better indoor environment quality in the future. Building and Environment, 2010, 45, 23-28. | 3.0 | 56 |
| 28 | Human response to combined indoor environment exposures. Energy and Buildings, 2002, 34, 601-606. | 3.1 | 54 |
| 29 | Squalene and Cholesterol in Dust from Danish Homes and Daycare Centers. Environmental Science & Technology, 2011, 45, 3872-3879. | 4.6 | 54 |
| 30 | Occupant response to different correlated colour temperatures of white LED lighting. Building and Environment, 2018, 143, 258-268. | 3.0 | 54 |
| 31 | Diurnal and seasonal variation in air exchange rates and interzonal airflows measured by active and passive tracer gas in homes. Building and Environment, 2016, 104, 178-187. | 3.0 | 53 |
| 32 | Dermal uptake of nicotine from air and clothing: Experimental verification. Indoor Air, 2018, 28, 247-257. | 2.0 | 51 |
| 33 | Phthalate metabolites in urine and asthma, allergic rhinoconjunctivitis and atopic dermatitis in preschool children. International Journal of Hygiene and Environmental Health, 2014, 217, 645-652. | 2.1 | 48 |
| 34 | Influence of ozone-limonene reactions on perceived air quality. Indoor Air, 2006, 16, 168-178. | 2.0 | 47 |
| 35 | Occupant Responses and Office Work Performance in Environments with Moderately Drifting Operative Temperatures (RP-1269). HVAC and R Research, 2009, 15, 931-960. | 0.9 | 46 |
| 36 | Associations between selected allergens, phthalates, nicotine, polycyclic aromatic hydrocarbons, and bedroom ventilation and clinically confirmed asthma, rhinoconjunctivitis, and atopic dermatitis in preschool children. Indoor Air, 2014, 24, 136-147. | 2.0 | 44 |

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| 37 | Secondary organic aerosols from ozone-initiated reactions with emissions from wood-based materials and a â€œgreenâ€•paint. Atmospheric Environment, 2008, 42, 7632-7640. | 1.9 | 43 |
| 38 | Measurements of dermal uptake of nicotine directly from air and clothing. Indoor Air, 2017, 27, 427-433. | 2.0 | 43 |
| 39 | Simulation of energy use, human thermal comfort and office work performance in buildings with moderately drifting operative temperatures. Energy and Buildings, 2011, 43, 2988-2997. | 3.1 | 42 |
| 40 | Ultrafine Particles: Exposure and Source Apportionment in 56 Danish Homes. Environmental Science & Technology, 2013, 47, 130904150722005. | 4.6 | 42 |
| 41 | New indoor environment chambers and field experiment offices for research on human comfort, health and productivity at moderate energy expenditure. Energy and Buildings, 2004, 36, 899-903. | 3.1 | 39 |
| 42 | Childrenâ€™s health and its association with indoor environments in Danish homes and daycare centres - methods. Indoor Air, 2012, 22, 467-475. | 2.0 | 37 |
| 43 | Dermal Uptake of Benzophenone-3 from Clothing. Environmental Science & Technology, 2017, 51, 11371-11379. | 4.6 | 37 |
| 44 | Human projected area factors for detailed direct and diffuse solar radiation analysis. International Journal of Biometeorology, 2004, 49, 113-129. | 1.3 | 36 |
| 45 | Impact of metabolic rate on human response to air movements during work in cool environments. International Journal of Industrial Ergonomics, 1996, 18, 307-316. | 1.5 | 35 |
| 46 | Window and door opening behavior, carbon dioxide concentration, temperature, and energy use during the heating season in classrooms with different ventilation retrofitsâ€”ASHRAE RP1624. Science and Technology for the Built Environment, 2018, 24, 626-637. | 0.8 | 35 |
| 47 | The impact of a photocatalytic paint on indoor air pollutants: Sensory assessments. Building and Environment, 2012, 57, 396-402. | 3.0 | 31 |
| 48 | Fifty years of Fanger's equation: Is there anything to discover yet?. International Journal of Industrial Ergonomics, 2018, 66, 157-160. | 1.5 | 30 |
| 49 | Thermal adaptation in occupant-driven HVAC control. Journal of Building Engineering, 2019, 25, 100846. | 1.6 | 30 |
| 50 | Reflections on the state of research: indoor environmental quality. Indoor Air, 2011, 21, 219-230. | 2.0 | 27 |
| 51 | Human Response to Air Movementâ€”Evaluation of ASHRAE's Draft Criteria (RP-843). HVAC and R Research, 2003, 9, 187-202. | 0.9 | 25 |
| 52 | Effects of diffuser airflow minima on occupant comfort, air mixing, and building energy use (RP-1515). Science and Technology for the Built Environment, 2015, 21, 1075-1090. | 0.8 | 18 |
| 53 | Prediction of Indoor Air Temperature Using Weather Data and Simple Building Descriptors. International Journal of Environmental Research and Public Health, 2019, 16, 4349. | 1.2 | 16 |
| 54 | The effects of acoustical refurbishment of classrooms on teachersâ€™ perceived noise exposure and noise-related health symptoms. International Archives of Occupational and Environmental Health, 2016, 89, 341-350. | 1.1 | 14 |

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| 55 | Comparison of Geometrical Layouts for a Multi-Box Aerosol Model from a Single-Chamber Dispersion Study. Environments - MDPI, 2018, 5, 52. | 1.5 | 14 |
| 56 | ClimAppâ€"Integrating Personal Factors with Weather Forecasts for Individualised Warning and Guidance on Thermal Stress. International Journal of Environmental Research and Public Health, 2021, 18, 11317. | 1.2 | 14 |
| 57 | Effect of formaldehyde on ventilation rate and energy demand in Danish homes: Development of emission models and building performance simulation. Building Simulation, 2020, 13, 197-212. | 3.0 | 12 |
| 58 | Field measurements of perceived air quality and concentration of volatile organic compounds in four offices of the university building. Indoor and Built Environment, 2015, 24, 1048-1058. | 1.5 | 9 |
| 59 | Comparing predictions by existing explicit emission models to real world observations of formaldehyde emissions from solid materials. Building Simulation, 2020, 13, 185-195. | 3.0 | 9 |
| 60 | Perceptive and physiological adaptation of migrants with different thermal experiences: A long-term climate chamber experiment. Building and Environment, 2022, 211, 108727. | 3.0 | 9 |
| 61 | Removal of Organic Acids from Indoor Air in Museum Storage Rooms by Active and Passive Sorption Techniques. Studies in Conservation, 2020, 65, 251-261. | 0.6 | 7 |
| 62 | Influence on Occupant Responses of Behavioral Modification of Clothing Insulation in Nonsteady Thermal Environments (RP-1269). HVAC and R Research, 2010, 16, 59-74. | 0.9 | 5 |
| 63 | Field study of the indoor environment in a Danish prison. Building and Environment, 2015, 88, 20-26. | 3.0 | 5 |
| 64 | Nearly-zero energy buildings. Science and Technology for the Built Environment, 2016, 22, 883-884. | 0.8 | 4 |
| 65 | Predicted and user perceived heat strain using the ClimApp mobile tool for individualized alert and advice. Climate Risk Management, 2021, 34, 100381. | 1.6 | 4 |
| 66 | Implementation of multivariate linear mixed-effects models in the analysis of indoor climate performance experiments. International Journal of Biometeorology, 2012, 56, 129-136. | 1.3 | 3 |
| 67 | Indoor temperatures for optimum thermal comfort and human performance - Reply to the letter by Wyon and Wargocki. Indoor Air, 2014, 24, 554-555. | 2.0 | 3 |
| 68 | Development of a tool to predict the socio-economic consequences of better air quality and temperature control in classrooms. Energy and Buildings, 2021, 250, 111274. | 3.1 | 2 |
| 69 | Editorial: Smart green and healthy buildings. Science and Technology for the Built Environment, 2015, 21, 1073-1074. | 0.8 | 1 |
| 70 | Lighting conditions in physiotherapy centres: A comparative field study. Lighting Research and Technology, 0, , 147715352110465. | 1.2 | 1 |
| 71 | Healthy Buildings 2012â€"Ventilation and Thermal Comfort. HVAC and R Research, 2013, 19, 923-925. | 0.9 | 0 |
| 72 | Analysis of draught discomfort prediction models. Journal of Physics: Conference Series, 2021, 2069, 012236. | 0.3 | 0 |