

Bjarne W Olesen

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,196
citations

304743

22
h-index

330143

37
g-index

38
all docs

38
docs citations

38
times ranked

1885
citing authors

#	ARTICLE	IF	CITATIONS
1	Occupants' window opening behaviour: A literature review of factors influencing occupant behaviour and models. <i>Building and Environment</i> , 2012, 58, 188-198.	6.9	485
2	Survey of occupant behaviour and control of indoor environment in Danish dwellings. <i>Energy and Buildings</i> , 2009, 41, 11-16.	6.7	297
3	Ten questions about radiant heating and cooling systems. <i>Building and Environment</i> , 2017, 112, 367-381.	6.9	193
4	Experimental evaluation of heat transfer coefficients between radiant ceiling and room. <i>Energy and Buildings</i> , 2009, 41, 622-628.	6.7	143
5	Thermal comfort: Design and assessment for energy saving. <i>Energy and Buildings</i> , 2014, 81, 326-336.	6.7	129
6	A methodology for modelling energy-related human behaviour: Application to window opening behaviour in residential buildings. <i>Building Simulation</i> , 2013, 6, 415-427.	5.6	103
7	The philosophy behind EN15251: Indoor environmental criteria for design and calculation of energy performance of buildings. <i>Energy and Buildings</i> , 2007, 39, 740-749.	6.7	90
8	Field evaluation of performance of radiant heating/cooling ceiling panel system. <i>Energy and Buildings</i> , 2015, 86, 58-65.	6.7	71
9	Solar radiation and cooling load calculation for radiant systems: Definition and evaluation of the Direct Solar Load. <i>Energy and Buildings</i> , 2010, 42, 305-314.	6.7	61
10	A review of the surface heat transfer coefficients of radiant heating and cooling systems. <i>Building and Environment</i> , 2019, 159, 106156.	6.9	58
11	Occupant Responses and Office Work Performance in Environments with Moderately Drifting Operative Temperatures (RP-1269). <i>HVAC and R Research</i> , 2009, 15, 931-960.	0.6	46
12	A nodal model to predict vertical temperature distribution in a room with floor heating and displacement ventilation. <i>Building and Environment</i> , 2013, 59, 626-634.	6.9	43
13	Simulation of energy use, human thermal comfort and office work performance in buildings with moderately drifting operative temperatures. <i>Energy and Buildings</i> , 2011, 43, 2988-2997.	6.7	42
14	Respiratory infection risk-based ventilation design method. <i>Building and Environment</i> , 2021, 206, 108387.	6.9	42
15	Fifty Years of PMV Model: Reliability, Implementation and Design of Software for Its Calculation. <i>Atmosphere</i> , 2020, 11, 49.	2.3	41
16	An experimental study of the active cooling performance of a novel radiant ceiling panel containing phase change material (PCM). <i>Energy and Buildings</i> , 2021, 243, 110981.	6.7	40
17	Thermal comfort in commercial kitchens (RP-1469): Procedure and physical measurements (Part 1). <i>HVAC and R Research</i> , 2013, 19, 1001-1015.	0.6	34
18	Data for occupancy internal heat gain calculation in main building categories. <i>Data in Brief</i> , 2017, 15, 1030-1034.	1.0	33

#	ARTICLE	IF	CITATIONS
19	Using thermostats for indoor climate control in offices: The effect on thermal comfort and heating/cooling energy use. <i>Energy and Buildings</i> , 2019, 188-189, 71-83.	6.7	31
20	Experimental study including subjective evaluations of mixing and displacement ventilation combined with radiant floor heating/cooling system. <i>HVAC and R Research</i> , 2013, 19, 1063-1072.	0.6	27
21	Capabilities and limitations of wireless CO ₂ , temperature and relative humidity sensors. <i>Building and Environment</i> , 2019, 154, 362-374.	6.9	26
22	Economic comparison of TABS, PCM ceiling panels and all-air systems for cooling offices. <i>Energy and Buildings</i> , 2019, 205, 109527.	6.7	23
23	Floor Heating with Displacement Ventilation: An Experimental and Numerical Analysis. <i>HVAC and R Research</i> , 2010, 16, 139-160.	0.6	18
24	Thermal comfort and ventilation effectiveness in an office room with radiant floor cooling and displacement ventilation. <i>Science and Technology for the Built Environment</i> , 2016, 22, 317-327.	1.7	18
25	Comparison of indoor air distribution and thermal environment for different combinations of radiant heating systems with mechanical ventilation systems. <i>Building Services Engineering Research and Technology</i> , 2018, 39, 81-97.	1.8	16
26	Indoor temperatures for calculating room heat loss and heating capacity of radiant heating systems combined with mechanical ventilation systems. <i>Energy and Buildings</i> , 2016, 112, 141-148.	6.7	13
27	Differences in temperature measurement by commercial room temperature sensors: Effects of room cooling system, loads, sensor type and position. <i>Energy and Buildings</i> , 2021, 231, 110630.	6.7	11
28	Case-study of Thermo Active Building Systems in Japanese Climate. <i>Energy Procedia</i> , 2015, 78, 2959-2964.	1.8	10
29	Air distribution in a multi-occupant room with mixing or displacement ventilation with or without floor or ceiling heating. <i>Science and Technology for the Built Environment</i> , 2015, 21, 1109-1116.	1.7	10
30	Beyond nearly-zero energy buildings: Experimental investigation of the thermal indoor environment and energy performance of a single-family house designed for plus-energy targets. <i>Science and Technology for the Built Environment</i> , 2016, 22, 1024-1038.	1.7	8
31	Daytime space cooling with phase change material ceiling panels discharged using rooftop photovoltaic/thermal panels and night-time ventilation. <i>Science and Technology for the Built Environment</i> , 2016, 22, 902-910.	1.7	8
32	Laboratory study of subjective perceptions to low temperature heating systems with exhaust ventilation in Nordic countries. <i>Science and Technology for the Built Environment</i> , 2017, 23, 457-468.	1.7	7
33	Inter-personal factors affecting building occupants' thermal tolerance at cold outdoor condition during an autumn-winter period. <i>Indoor and Built Environment</i> , 2020, 29, 987-1005.	2.8	6
34	Influence on Occupant Responses of Behavioral Modification of Clothing Insulation in Nonsteady Thermal Environments (RP-1269). <i>HVAC and R Research</i> , 2010, 16, 59-74.	0.6	5
35	Investigation of group differences in human perceptions of indoor environment in open-plan offices in a severe cold region. <i>Building and Environment</i> , 2022, 213, 108855.	6.9	4
36	Indoor thermal environment and air distribution in a floor-ceiling heating room with mixing or displacement ventilation. <i>Science and Technology for the Built Environment</i> , 2019, 25, 346-355.	1.7	3

#	ARTICLE	IF	CITATIONS
37	Review on the Surface Heat Transfer Coefficients of Radiant Systems. E3S Web of Conferences, 2019, 111, 01075.	0.5	1