Astrid Roetzel

List of Publications by Citations

26 papers	475 citations	11 h-index	21 g-index
26 ext. papers	638 ext. citations	5.9 avg, IF	4.36 L-index

#	Paper	IF	Citations
26	A review of occupant control on natural ventilation. *Renewable and Sustainable Energy Reviews*, **2010**, 14, 1001-1013	16.2	117
25	Impact of building design and occupancy on office comfort and energy performance in different climates. *Building and Environment*, **2014**, 71, 165-175	6.5	70
24	Review of multi-domain approaches to indoor environmental perception and behaviour. *Building and Environment*, **2020**, 176, 106804	6.5	66
23	Impact of climate change on comfort and energy performance in offices. *Building and Environment*, **2012**, 57, 349-361	6.5	45
22	Design approaches and typologies of adaptive facades: A review. *Automation in Construction*, **2021**, 121, 103450	9.6	26
21	A review of automatic control strategies based on simulations for adaptive facades. *Building and Environment*, **2020**, 175, 106801	6.5	21
20	Occupant behaviour simulation for cellular offices in early design stages–Architectural and modelling considerations. *Building Simulation*, **2015**, 8, 211-224	3.9	18
19	Potential and challenges of immersive virtual environments for occupant energy behavior modeling and validation: A literature review. *Journal of Building Engineering*, **2018**, 19, 302-319	5.2	18
18	The Role of Occupants in Buildings' Energy Performance Gap: Myth or Reality?. *Sustainability*, **2021**, 13, 3146	3.6	14
17	Innovative control approaches to assess energy implications of adaptive facades based on simulation using EnergyPlus. *Solar Energy*, **2020**, 206, 256-268	6.8	13
16	On the influence of building design, occupants and heat waves on comfort and greenhouse gas emissions in naturally ventilated offices. A study based on the EN 15251 adaptive thermal comfort model in Athens, Greece. *Building Simulation*, **2010**, 3, 87-103	3.9	13
15	Serious Games for Integral Sustainable Design: Level 1. *Procedia Engineering*, **2017**, 180, 1744-1753		8
14	Context dependency of comfort and energy performance in mixed-mode offices. *Journal of Building Performance Simulation*, **2011**, 4, 303-322	2.8	8
13	Analysis of the impact of automatic shading control scenarios on occupants' comfort and energy load. *Applied Energy*, **2021**, 294, 116904	10.7	8
12	Integral sustainable design – Reflections on the theory and practice from a case study. *Sustainable Cities and Society*, **2017**, 28, 225-232	10.1	7
11	A holistic life cycle sustainability evaluation of a building project. *Sustainable Cities and Society*, **2021**, 73, 103107	10.1	6
10	THE IMPACT OF OCCUPANT BEHAVIOUR ON RESIDENTIAL GREENHOUSE GAS EMISSIONS REDUCTION. *Journal of Green Building*, **2015**, 10, 127-140	1.3	5

9	Architectural, indoor environmental, personal and cultural influences on students' selection of a preferred place to study. *Architectural Science Review*, **2020**, 63, 275-291	2.6	4
8	A review of occupant-centric control strategies for adaptive facades. *Automation in Construction*, **2021**, 122, 103464	9.6	4
7	Daylight in Buildings and Visual Comfort Evaluation: the Advantages and Limitations. *Journal of Daylighting*, **2021**, 8, 181-203	1.6	2
6	VARIABILITY OF BUILDING SIMULATION RESULTS DEPENDING ON SELECTED WEATHER FILES AND CONDITIONING SET POINTS – A CASE STUDY FOR A RESIDENTIAL BUILDING IN VICTORIA, AUSTRALIA. *Journal of Green Building*, **2016**, 11, 91-108	1.3	1
5	Reliability of human environmental sensors: Evidence from first- and third-person methods. *Building and Environment*, **2020**, 186, 107303	6.5	1
4	How comprehensive is post-occupancy feedback on school buildings for architects? A conceptual review based upon Integral Sustainable Design principles. *Building and Environment*, **2022**, 109109	6.5	0
3	Simulation-based personalized real-time control of adaptive facades in shared office spaces. *Automation in Construction*, **2022**, 138, 104246	9.6	0
2	Vorschlag zur Ergänzung der Bewertung des sommerlichen Wärmeschutzes nach DIN 4108-2 bei Verwaltungsgebäuden: Korrekturwerte für den zulässigen Höchstwert des Sonneneintragskennwertes Szul. *Bauphysik*, **2005**, 27, 359-362	0.4	
1	Learning from built projects – sources of post occupancy feedback used by architects in Victoria, Australia. *Intelligent Buildings International*, **2019**, 1-16	1.7	