

# Astrid Roetzel

## 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.

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	How comprehensive is post-occupancy feedback on school buildings for architects? A conceptual review based upon Integral Sustainable Design principles. <i>Building and Environment</i> , <b>2022</b> , 109109	6.5	0
25	Simulation-based personalized real-time control of adaptive facades in shared office spaces. <i>Automation in Construction</i> , <b>2022</b> , 138, 104246	9.6	0
24	The Role of Occupants in Buildings' Energy Performance Gap: Myth or Reality?. <i>Sustainability</i> , <b>2021</b> , 13, 3146	3.6	14
23	Daylight in Buildings and Visual Comfort Evaluation: the Advantages and Limitations. <i>Journal of Daylighting</i> , <b>2021</b> , 8, 181-203	1.6	2
22	A review of occupant-centric control strategies for adaptive facades. <i>Automation in Construction</i> , <b>2021</b> , 122, 103464	9.6	4
21	Design approaches and typologies of adaptive facades: A review. <i>Automation in Construction</i> , <b>2021</b> , 121, 103450	9.6	26
20	Analysis of the impact of automatic shading control scenarios on occupant's comfort and energy load. <i>Applied Energy</i> , <b>2021</b> , 294, 116904	10.7	8
19	A holistic life cycle sustainability evaluation of a building project. <i>Sustainable Cities and Society</i> , <b>2021</b> , 73, 103107	10.1	6
18	Innovative control approaches to assess energy implications of adaptive facades based on simulation using EnergyPlus. <i>Solar Energy</i> , <b>2020</b> , 206, 256-268	6.8	13
17	Review of multi-domain approaches to indoor environmental perception and behaviour. <i>Building and Environment</i> , <b>2020</b> , 176, 106804	6.5	66
16	A review of automatic control strategies based on simulations for adaptive facades. <i>Building and Environment</i> , <b>2020</b> , 175, 106801	6.5	21
15	Architectural, indoor environmental, personal and cultural influences on students' selection of a preferred place to study. <i>Architectural Science Review</i> , <b>2020</b> , 63, 275-291	2.6	4
14	Reliability of human environmental sensors' Evidence from first- and third-person methods. <i>Building and Environment</i> , <b>2020</b> , 186, 107303	6.5	1
13	Learning from built projects' Sources of post occupancy feedback used by architects in Victoria, Australia. <i>Intelligent Buildings International</i> , <b>2019</b> , 1-16	1.7	
12	Potential and challenges of immersive virtual environments for occupant energy behavior modeling and validation: A literature review. <i>Journal of Building Engineering</i> , <b>2018</b> , 19, 302-319	5.2	18
11	Serious Games for Integral Sustainable Design: Level 1. <i>Procedia Engineering</i> , <b>2017</b> , 180, 1744-1753		8
10	Integral sustainable design' Reflections on the theory and practice from a case study. <i>Sustainable Cities and Society</i> , <b>2017</b> , 28, 225-232	10.1	7

9	VARIABILITY OF BUILDING SIMULATION RESULTS DEPENDING ON SELECTED WEATHER FILES AND CONDITIONING SET POINTS [A CASE STUDY FOR A RESIDENTIAL BUILDING IN VICTORIA, AUSTRALIA]. <i>Journal of Green Building</i> , <b>2016</b> , 11, 91-108	1.3	1
8	Occupant behaviour simulation for cellular offices in early design stages [Architectural and modelling considerations]. <i>Building Simulation</i> , <b>2015</b> , 8, 211-224	3.9	18
7	THE IMPACT OF OCCUPANT BEHAVIOUR ON RESIDENTIAL GREENHOUSE GAS EMISSIONS REDUCTION. <i>Journal of Green Building</i> , <b>2015</b> , 10, 127-140	1.3	5
6	Impact of building design and occupancy on office comfort and energy performance in different climates. <i>Building and Environment</i> , <b>2014</b> , 71, 165-175	6.5	70
5	Impact of climate change on comfort and energy performance in offices. <i>Building and Environment</i> , <b>2012</b> , 57, 349-361	6.5	45
4	Context dependency of comfort and energy performance in mixed-mode offices. <i>Journal of Building Performance Simulation</i> , <b>2011</b> , 4, 303-322	2.8	8
3	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. <i>Building Simulation</i> , <b>2010</b> , 3, 87-103	3.9	13
2	A review of occupant control on natural ventilation. <i>Renewable and Sustainable Energy Reviews</i> , <b>2010</b> , 14, 1001-1013	16.2	117
1	Vorschlag zur Erganzung der Bewertung des sommerlichen Warmeschutzes nach DIN 4108-2 bei Verwaltungsgebuden: Korrekturwerte fur den zulassigen Hohstwert des Sonneneintragskennwertes Szul. <i>Bauphysik</i> , <b>2005</b> , 27, 359-362	0.4	