Koen Steemers

List of Publications by Citations

59 papers	4,157 citations	29 h-index	64 g-index
70 ext. papers	4,654 ext. citations	5.2 avg, IF	5.96 L-index

#	Paper	IF	Citations
59	Thermal comfort and psychological adaptation as a guide for designing urban spaces. *Energy and Buildings*, **2003**, 35, 95-101	7	462
58	Thermal comfort in outdoor urban spaces: understanding the human parameter. *Solar Energy*, **2001**, 70, 227-235	6.8	435
57	Energy consumption and urban texture. *Energy and Buildings*, **2005**, 37, 762-776	7	350
56	A method of formulating energy load profile for domestic buildings in the UK. *Energy and Buildings*, **2005**, 37, 663-671	7	319
55	Energy and the city: density, buildings and transport. *Energy and Buildings*, **2003**, 35, 3-14	7	300
54	Building form and environmental performance: archetypes, analysis and an arid climate. *Energy and Buildings*, **2003**, 35, 49-59	7	205
53	Time-dependent occupant behaviour models of window control in summer. *Building and Environment*, **2008**, 43, 1471-1482	6.5	184
52	Household energy consumption: a study of the role of occupants. *Building Research and Information* , **2009**, 37, 625-637	4.3	173
51	Energy policy and standard for built environment in China. *Renewable Energy*, **2005**, 30, 1973-1988	8.1	173
50	Behavioural, physical and socio-economic factors in household cooling energy consumption. *Applied Energy*, **2011**, 88, 2191-2200	10.7	158
49	Solar energy and urban morphology: Scenarios for increasing the renewable energy potential of neighbourhoods in London. *Renewable Energy*, **2015**, 73, 10-17	8.1	123
48	A statistical analysis of a residential energy consumption survey study in Hangzhou, China. *Energy and Buildings*, **2013**, 66, 193-202	7	116
47	Design and overall energy performance of a ventilated photovoltaic façade. *Solar Energy*, **2007**, 81, 383-394	6.8	116
46	Modelling domestic energy consumption at district scale: A tool to support national and local energy policies. *Environmental Modelling and Software*, **2011**, 26, 1186-1198	5.2	107
45	Thermal performance of a naturally ventilated building using a combined algorithm of probabilistic occupant behaviour and deterministic heat and mass balance models. *Energy and Buildings*, **2009**, 41, 489-499	7	99
44	Energy retrofit and occupant behaviour in protected housing: A case study of the Brunswick Centre in London. *Energy and Buildings*, **2014**, 80, 120-130	7	71
43	Microclimatic modelling in assessing the impact of urban geometry on urban thermal environment. *Sustainable Cities and Society*, **2017**, 34, 293-308	10.1	65

42	Assessing the natural ventilation cooling potential of office buildings in different climate zones in China. *Renewable Energy*, **2009**, 34, 2697-2705	8.1	57
41	Energy efficient design and occupant well-being: Case studies in the UK and India. *Building and Environment*, **2010**, 45, 270-278	6.5	44
40	Energy and Environment in Architecture		41
39	Natural ventilation in practice: linking facade design, thermal performance, occupant perception and control. *Building Research and Information*, **2008**, 36, 608-624	4.3	39
38	Lively Social Space, Well-Being Activity, and Urban Design: Findings From a Low-Cost Community-Led Public Space Intervention. *Environment and Behavior*, **2017**, 49, 685-716	5.6	36
37	Outdoor thermal comfort and summer PET range: A field study in tropical city Dhaka. *Energy and Buildings*, **2019**, 198, 149-159	7	35
36	Towards a research agenda for adapting to climate change. *Building Research and Information*, **2003** , 31, 291-301	4.3	35
35	Night-time naturally ventilated offices: Statistical simulations of window-use patterns from field monitoring. *Solar Energy*, **2010**, 84, 1216-1231	6.8	34
34	Household archetypes and behavioural patterns in UK domestic energy use. *Energy Efficiency*, **2018**, 11, 761-771	3	31
33	Using Display Energy Certificates to quantify schools' energy consumption. *Building Research and Information*, **2011**, 39, 535-552	4.3	31
32	Forecasting how residential urban form affects the regional carbon savings and costs of retrofitting and decentralized energy supply. *Applied Energy*, **2017**, 186, 549-561	10.7	30
31	LT Method 3.0 a strategic energy-design tool for Southern Europe. *Energy and Buildings*, **1996**, 23, 251-256	7	29
30	Implications of urban settings for the design of photovoltaic and conventional fades. *Solar Energy* , **2009**, 83, 69-80	6.8	28
29	Using Display Energy Certificates to quantify public sector office energy consumption. *Building Research and Information*, **2015**, 43, 691-709	4.3	20
28	Radiation absorption and urban texture. *Building Research and Information*, **1998**, 26, 103-112	4.3	18
27	Exposure duration in overheating assessments: a retrofit modelling study. *Building Research and Information*, **2017**, 45, 60-82	4.3	15
26	Improving the soundscape quality of urban areas exposed to aircraft noise by adding moving water and vegetation. *Journal of the Acoustical Society of America*, **2018**, 144, 2906	2.2	15
25	Daylighting design: Enhancing energy efficiency and visual quality. *Renewable Energy*, **1994**, 5, 950-958	8.1	14

24	Ventilation strategies for urban housing: lessons from a PoE case study. *Building Research and Information*, **2005**, 33, 17-31	4.3	13
23	Daylight Design of Buildings		13
22	Effects of microclimate and human parameters on outdoor thermal sensation in the high-density tropical context of Dhaka. *International Journal of Biometeorology*, **2020**, 64, 187-203	3.7	12
21	Tailoring domestic retrofit by incorporating occupant behaviour. *Energy Procedia*, **2017**, 122, 427-432	2.3	10
20	Modelling energy retrofit using household archetypes. *Energy and Buildings*, **2020**, 224, 110224	7	10
19	Space Planning and Energy Efficiency in Office Buildings: The Role of Spatial and Temporal Diversity. *Architectural Science Review*, **2008**, 51, 133-145	2.6	10
18	Modelling building users space preferences for group work: a discrete-choice experiment. *Architectural Science Review*, **2017**, 60, 460-471	2.6	7
17	Overview of an innovative EU China collaboration in education and research in sustainable built environment. *Renewable Energy*, **2009**, 34, 2080-2087	8.1	6
16	The Contribution of Building-Integrated Photovoltaics (BIPV) to the Concept of Nearly Zero-Energy Cities in Europe: Potential and Challenges Ahead. *Energies*, **2021**, 14, 6015	3.1	6
15	Urban living walls: reporting on maintenance challenges from a review of European installations. *Architectural Science Review*, **2020**, 63, 526-535	2.6	5
14	Density and coverage values as indicators of thermal diversity in open spaces: Comparative analysis of London and Paris based on sun and wind shadow maps. *Cities*, **2020**, 100, 102645	5.6	5
13	Modeling space preferences for accurate occupancy prediction during the design phase. *Automation in Construction*, **2018**, 93, 135-147	9.6	5
12	Adaptive comfort assessments in urban neighbourhoods: Simulations of a residential case study from London. *Energy and Buildings*, **2019**, 202, 109322	7	4
11	Urban Microclimates and Simulation **2013**, 77-97		4
10	Positive Energy Districts: Identifying Challenges and Interdependencies. *Sustainability*, **2021**, 13, 10551	3.6	4
9	Space Planning and Energy Efficiency in Laboratory Buildings: The Role of Spatial, Activity and Temporal Diversity. *Architectural Science Review*, **2007**, 50, 281-292	2.6	3
8	Active urbanism: The potential effect of urban design on bone health. *Cities and Health*,1-15	2.8	3
7	Space Planning, Ventilation and Energy Efficiency in Offices. *International Journal of Ventilation*, **2009**, 8, 9-22	1.1	2

6	Intermediate space and environmental diversity. *Urban Design International*, **2004**, 9, 61-71	1.6	2
5	Living wall influence on the microclimates of sheltered urban conditions: results from monitoring studies. *Architectural Science Review*, **2020**, 1-12	2.6	2
4	Assessing the impact of a differentiated retrofit approach in UK domestic buildings. *Journal of Physics: Conference Series*, **2019**, 1343, 012173	0.3	2
3	Environmental Control and the Creation of Well-being. *Springer Optimization and Its Applications*, **2012**, 69-81	0.4	1
2	Research into practice: Potsdamer Platz, Berlin. *Architectural Research Quarterly*, **1995**, 1, 76-81	0.3	
1	Research into practice: A case study in the application of technical studies in architectural design. *Renewable Energy*, **1991**, 1, 419-428	8.1	