Derek Clements-Croome

List of Publications by Citations

66 papers	1,816 citations	17 h-index	42 g-index
112 ext. papers	2,126 ext. citations	3.8 avg, IF	5.06 L-index

#	Paper	IF	Citations
66	Ventilation rates in schools and pupils performance. *Building and Environment*, **2012**, 48, 215-223	6.5	292
65	Key performance indicators (KPIs) and priority setting in using the multi-attribute approach for assessing sustainable intelligent buildings. *Building and Environment*, **2010**, 45, 799-807	6.5	215
64	A review of air filtration technologies for sustainable and healthy building ventilation. *Sustainable Cities and Society*, **2017**, 32, 375-396	10.1	150
63	Sustainable building solutions: a review of lessons from the natural world. *Building and Environment* , **2005**, 40, 319-328	6.5	132
62	Ventilation rates in schools. *Building and Environment*, **2008**, 43, 362-367	6.5	119
61	A multicriteria lifespan energy efficiency approach to intelligent building assessment. *Energy and Buildings*, **2006**, 38, 393-409	7	87
60	Sick building syndrome: are we doing enough?. *Architectural Science Review*, **2018**, 61, 99-121	2.6	75
59	Preventive maintenance models with random maintenance quality. *Reliability Engineering and System Safety*, **2005**, 90, 99-105	6.3	67
58	What do we mean by intelligent buildings?. *Automation in Construction*, **1997**, 6, 395-400	9.6	60
57	What is an intelligent building? Analysis of recent interpretations from an international perspective. *Architectural Science Review*, **2016**, 59, 338-357	2.6	58
56	. *IEEE Transactions on Reliability*, **2005**, 54, 338-346	4.6	52
55	The development of building assessment criteria framework for sustainable non-residential buildings in Saudi Arabia. *Sustainable Cities and Society*, **2016**, 26, 289-305	10.1	46
54	A novel repair model for imperfect maintenance. *IMA Journal of Management Mathematics*, **2006**, 17, 235-243	1.4	39
53	Understanding the indoor environment through mining sensory data A case study. *Energy and Buildings*, **2007**, 39, 1183-1191	7	37
52	Creative and productive workplaces: a review. *Intelligent Buildings International*, **2015**, 7, 164-183	1.7	29
51	Reliability in the whole life cycle of building systems. *Engineering, Construction and Architectural Management*, **2006**, 13, 136-153	3.1	27
50	Intelligent or smart cities and buildings: a critical exposition and a way forward. *Intelligent Buildings International*, **2018**, 10, 122-129	1.7	24

49	Past, present and future mathematical models for buildings. *Intelligent Buildings International*, **2009**, 1, 23-38	1.7	17
48	Move beyond green building: A focus on healthy, comfortable, sustainable and aesthetical architecture. *Intelligent Buildings International*, **2017**, 9, 88-96	1.7	15
47	Burn-in policies for products having dormant states. *Reliability Engineering and System Safety*, **2007**, 92, 278-285	6.3	15
46	Exploring the Role of Design Quality in the Building Schools for the Future Programme. *Architectural Engineering and Design Management*, **2009**, 5, 249-262	1.2	14
45	Flourishing workplaces: a multisensory approach to design and POE. *Intelligent Buildings International*, **2019**, 11, 131-144	1.7	13
44	A preliminary study on post-occupancy evaluation of four office buildings in the UK based on the Analytic Hierarchy Process. *Intelligent Buildings International*, **2018**, 10, 234-246	1.7	13
43	The Effect of Agile Workspace and Remote Working on Experiences of Privacy, Crowding and Satisfaction. *Buildings*, **2015**, 5, 880-898	3.2	12
42	Integration of chaos theory and mathematical models in building simulation. *Automation in Construction*, **2010**, 19, 452-457	9.6	12
41	Building Energy Management Systems **2017**, 291-309		9
40	Integration of chaos theory and mathematical models in building simulation. *Automation in Construction*, **2010**, 19, 447-451	9.6	9
39	Designing the Indoor Environment for People. *Architectural Engineering and Design Management*, **2005**, 1, 45-55	1.2	9
38	Influence of occupants□behaviour on energy and carbon emission reduction in a higher education building in the UK. *Intelligent Buildings International*, **2016**, 8, 157-175	1.7	9
37	. *Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on*, **2007**,		8
36	Cognitive Appraisals Affect Both Embodiment of Thermal Sensation and Its Mapping to Thermal Evaluation. *Frontiers in Psychology*, **2016**, 7, 800	3.4	8
35	Evaluation of thermal comfort and indoor air quality in offices. *Building Research and Information*, **1992**, 20, 211-225	4.3	7
34	Review paper: Building services engineering□the invisible architecture. *Building Services Engineering Research and Technology*, **1990**, 11, 27-31	2.3	7
33	Decision-making on HVAC&R systems selection: a critical review. *Intelligent Buildings International*, **2018**, 10, 133-153	1.7	6
32	University courses in intelligent buildings - new learning approaches. *Facilities*, **1997**, 15, 171-176	2.2	6

31	Building fa□ades: sustainability, maintenance and refurbishment. *Proceedings of the Institution of Civil Engineers: Engineering Sustainability*, **2005**, 158, 89-95	0.9	6
30	The determinants of architectural form in modern buildings within the Arab world. *Building and Environment*, **1991**, 26, 349-362	6.5	6
29	Carbon brainprint □An estimate of the intellectual contribution of research institutions to reducing greenhouse gas emissions. *Chemical Engineering Research and Design*, **2015**, 96, 74-81	5.5	5
28	Road traffic noise□its nuisance value. *Applied Acoustics*, **1969**, 2, 279-296	3.1	5
27	Intelligent Buildings, 2nd edition **2013**,		5
26	The role of feedback in building design 1980□2018 and onwards. *Building Services Engineering Research and Technology*, **2019**, 40, 5-12	2.3	5
25	Past, present and future mathematical models for buildings. *Intelligent Buildings International*, **2009**, 1, 131-141	1.7	4
24	Covered northern township. *International Journal of Ambient Energy*, **1985**, 6, 171-186	2	4
23	Intelligent Sustainable Liveable Cities **2012**,		3
22	Sustainability Assessment Indicators and Methodology for Intelligent Buildings. *Advanced Materials Research*, **2011**, 368-373, 3829-3832	0.5	3
21	Achieving quality through statistical prediction for building services systems. *Building Services Engineering Research and Technology*, **2004**, 25, 99-110	2.3	3
20	Contextual prerequisites for the application of ILS principles to the building services industry. *Engineering, Construction and Architectural Management*, **2005**, 12, 307-328	3.1	3
19	The effect of geopathic stress on building occupants. *Renewable Energy*, **1994**, 5, 993-996	8.1	3
18	Acoustic design for flexible membrane structures. *Applied Acoustics*, **1985**, 18, 399-433	3.1	3
17	The Interaction Between the Physical Environment and People **2011**, 239-259		3
16	Sustainable Built Environments **2013**, 394-425		3
15	Planning and Design Scenarios for Liveable Cities **2017**, 81-97		2
14	The role of feedback in building design. *Building Services Engineering Research and Technology*, **1980**, 1, 1-9	2.3	2

List of Publications

13	Natural ventilation in the United Kingdom: Design issues for commercial and public buildings. *Building Services Engineering Research and Technology*, **1996**, 17, 1-5	2.3	1
12	Freshness, ventilation and temperature in offices. *Building Services Engineering Research and Technology*, **1996**, 17, 21-27	2.3	1
11	Das Gedeih-Modell f□ ein □ologisches Design **2021**, 355-375		1
10	The flourishing of Biophilic workplaces: □econd Home□ offices as a case study. *Intelligent Buildings International*, **2020**, 1-14	1.7	1
9	Beasties in the creative workplace. *Intelligent Buildings International*, **2009**, 1, 222-229	1.7	
8	The closure of □A multicriteria lifespan energy efficiency approach to intelligent building assessment□ by Chen et al. [Energy and Building 38(5) (2006) 393□409]: Discussed by K.C. Wong, Albert So, and Andrew Leung, Asian Institute of Intelligent Buildings. *Energy and Buildings*, **2007**,	7	
7	Technological innovation. *Building Research and Information*, **1990**, 18, 174-182		
6	Saving energy in health buildings. *Building Services Engineering Research and Technology*, **1983**, 4, 129-138	2.3	
5	Man, environment and buildings. *Building and Environment*, **1980**, 15, 235-238	6.5	
4	Building environmental engineering higher education. *Building Services Engineering Research and Technology*, **1981**, 2, 27-36	2.3	
3	Predicting the sound emission from airconditioning and ventilating systems. *Applied Acoustics*, **1977** , 10, 315-316	3.1	
2	The multi-sensory experience in buildings **2017**, 57-72		
1	The business case for sustainable healthy buildings **2017**, 41-56		