David Allinson

List of Publications by Year
in descending order

25	824	566801 15	642321 23
papers	citations	h-index	g-index

25	25	25	780
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hygrothermal analysis of a stabilised rammed earth test building in the UK. Energy and Buildings, 2010, 42, 845-852.	3.1	176
2	Analysis of the hygrothermal functional properties of stabilised rammed earth materials. Building and Environment, 2009, 44, 1935-1942.	3.0	100
3	Assessing the effects of soil grading on the moisture content-dependent thermal conductivity of stabilised rammed earth materials. Applied Thermal Engineering, 2009, 29, 740-747.	3.0	99
4	Measuring and mitigating overheating risk in solid wall dwellings retrofitted with internal wall insulation. Building and Environment, 2018, 141, 247-261.	3.0	50
5	First evidence for the reliability of building co-heating tests. Building Research and Information, 2018, 46, 383-401.	2.0	49
6	Measurement and analysis of household carbon: The case of a UK city. Applied Energy, 2016, 164, 871-881.	5.1	39
7	Measuring the potential of zonal space heating controls to reduce energy use in UK homes: The case of un-furbished 1930s dwellings. Energy and Buildings, 2015, 92, 29-44.	3.1	37
8	Assessing the moisture-content-dependent parameters of stabilised earth materials using the cyclic-response admittance method. Energy and Buildings, 2008, 40, 2044-2051.	3.1	35
9	Occupant behaviour modelling in domestic buildings: the case of household electrical appliances. Journal of Building Performance Simulation, 2017, 10, 582-600.	1.0	34
10	Hospital wards and modular construction: Summertime overheating and energy efficiency. Building and Environment, 2018, 141, 28-44.	3.0	34
11	Seasonal variation in household electricity demand: A comparison of monitored and synthetic daily load profiles. Energy and Buildings, 2018, 179, 292-300.	3.1	25
12	Humidity buffering using stabilised rammed earth materials. Proceedings of Institution of Civil Engineers: Construction Materials, 2012, 165, 335-344.	0.7	21
13	Influence of cementitious binder content on moisture transport in stabilised earth materials analysed using 1-dimensional sharp wet front theory. Building and Environment, 2009, 44, 688-693.	3.0	19
14	Spatial mapping of building energy demand in <scp>G</scp>reat <scp>B</scp>ritain. GCB Bioenergy, 2014, 6, 123-135.	2.5	19
15	Predictions of summertime overheating: Comparison of dynamic thermal models and measurements in synthetically occupied test houses. Building Services Engineering Research and Technology, 2019, 40, 512-552.	0.9	17
16	Transient numerical and physical modelling of temperature profile evolution in stabilised rammed earth walls. Applied Thermal Engineering, 2010, 30, 433-441.	3.0	16
17	Benchmarking and tracking domestic gas and electricity consumption at the local authority level. Energy Efficiency, 2016, 9, 723-743.	1.3	14
18	A domestic operational rating for UK homes: Concept, formulation and application. Energy and Buildings, 2019, 201, 90-117.	3.1	10

#	Article	IF	Citations
19	Automated dynamic thermal simulation of houses and housing stocks using readily available reduced data. Energy and Buildings, 2019, 203, 109431.	3.1	8
20	Estimation of building heat transfer coefficients from in-use data. International Journal of Building Pathology and Adaptation, 2019, 38, 38-50.	0.7	7
21	Evaluating methods for estimating whole house air infiltration rates in summer: implications for overheating and indoor air quality. International Journal of Building Pathology and Adaptation, 2021, ahead-of-print, .	0.7	6
22	Modelling Surface Temperatures on 3G Artificial Turf. Proceedings (mdpi), 2018, 2, .	0.2	4
23	Quantifying the Effect of Window Opening on the Measured Heat Loss of a Test House. , 2016, , 183-196.		4
24	Energy savings from domestic zonal heating controls: Robust evidence from a controlled field trial. Energy and Buildings, 2022, 254, 111572.	3.1	1
25	A Parametric Analysis on the Vulnerability of Internally Insulated Solid Masonry Walls to Rot Damage. , 2021, , .		0