Darren Robinson

List of Publications by Year
in descending order

26 papers	1,723 citations	471061 17 h-index	580395 25 g-index
26 all docs	26 docs citations	26 times ranked	1479 citing authors

#	Article	IF	Citations
1	Thermal comfort modelling of older people living in care homes: An evaluation of heat balance, adaptive comfort, and thermographic methods. Building and Environment, 2022, 207, 108550.	3.0	12
2	A multi-scale integrated assessment model to support urban sustainability. Sustainability Science, 2022, 17, 151-169.	2.5	8
3	Modelling the emergence of cities andÂurban patterning using coupled integro-differential equations. Journal of the Royal Society Interface, 2022, 19, 20220176.	1.5	0
4	Using unsupervised learning to partition 3D city scenes for distributed building energy microsimulation. Environment and Planning B: Urban Analytics and City Science, 2021, 48, 1198-1212.	1.0	2
5	Editorial: Innovations in envelope design, fabrication and analysis. Architectural Science Review, 2021, 64, 465-466.	1.1	1
6	Automated classification metrics for energy modelling of residential buildings in the UK with <i>open</i> algorithms. Environment and Planning B: Urban Analytics and City Science, 2020, 47, 45-64.	1.0	8
7	Future improvements on performance of an EU landfill directive driven municipal solid waste management for a city in England. Waste Management, 2020, 102, 452-463.	3.7	50
8	On the Reliable Generation of 3D City Models from Open Data. Urban Science, 2020, 4, 47.	1.1	21
9	Enhanced EnHub: dynamic simulation of housing stock energy systems. Journal of Building Performance Simulation, 2020, 13, 516-531.	1.0	3
10	Modelling Urban Housing Stocks for Building Energy Simulation using CityGML EnergyADE. ISPRS International Journal of Geo-Information, 2019, 8, 163.	1.4	22
11	On the multi-agent stochastic simulation of occupants in buildings. Journal of Building Performance Simulation, 2018, 11, 604-621.	1.0	39
12	An open-source simulation platform to support the formulation of housing stock decarbonisation strategies. Energy and Buildings, 2018, 172, 459-477.	3.1	12
13	A review and critique of UK housing stock energy models, modelling approaches and data sources. Energy and Buildings, 2017, 151, 66-80.	3.1	42
14	Assessing uncertainty in housing stock infiltration rates andÂassociated heat loss: English and UK case studies. Building and Environment, 2015, 92, 644-656.	3.0	37
15	A bottom-up stochastic model to predict building occupants' time-dependent activities. Building and Environment, 2013, 60, 254-264.	3.0	147
16	Verification of stochastic models of window opening behaviour for residential buildings. Journal of Building Performance Simulation, 2012, 5, 55-74.	1.0	138
17	The impact of occupants' behaviour on building energy demand. Journal of Building Performance Simulation, 2011, 4, 323-338.	1.0	199
18	Modelling occupantsâ€™ personal characteristics for thermal comfort prediction. International Journal of Biometeorology, 2011, 55, 681-694.	1.3	60

#	Article	IF	Citations
19	On the unification of thermal perception and adaptive actions. Building and Environment, 2010, 45, 2440-2457.	3.0	91
20	A comparison of global optimization algorithms with standard benchmark functions and real-world applications using EnergyPlus. Journal of Building Performance Simulation, 2010, 3, 103-120.	1.0	66
21	Adaptive actions on shading devices in response to local visual stimuli. Journal of Building Performance Simulation, 2010, 3, 135-153.	1.0	168
22	Interactions with window openings by office occupants. Building and Environment, 2009, 44, 2378-2395.	3.0	336
23	Model to predict overheating risk based on an electrical capacitor analogy. Energy and Buildings, 2008, 40, 1240-1245.	3.1	26
24	An integrated adaptive model for overheating risk prediction. Journal of Building Performance Simulation, 2008, 1, 43-55.	1.0	15
25	Urban morphology and indicators of radiation availability. Solar Energy, 2006, 80, 1643-1648.	2.9	91
26	Solar radiation modelling in the urban context. Solar Energy, 2004, 77, 295-309.	2.9	129