

Darren Robinson

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,723
citations

471371

17
h-index

580701

25
g-index

26
all docs

26
docs citations

26
times ranked

1479
citing authors

#	ARTICLE	IF	CITATIONS
1	Interactions with window openings by office occupants. <i>Building and Environment</i> , 2009, 44, 2378-2395.	3.0	336
2	The impact of occupants' behaviour on building energy demand. <i>Journal of Building Performance Simulation</i> , 2011, 4, 323-338.	1.0	199
3	Adaptive actions on shading devices in response to local visual stimuli. <i>Journal of Building Performance Simulation</i> , 2010, 3, 135-153.	1.0	168
4	A bottom-up stochastic model to predict building occupants' time-dependent activities. <i>Building and Environment</i> , 2013, 60, 254-264.	3.0	147
5	Verification of stochastic models of window opening behaviour for residential buildings. <i>Journal of Building Performance Simulation</i> , 2012, 5, 55-74.	1.0	138
6	Solar radiation modelling in the urban context. <i>Solar Energy</i> , 2004, 77, 295-309.	2.9	129
7	Urban morphology and indicators of radiation availability. <i>Solar Energy</i> , 2006, 80, 1643-1648.	2.9	91
8	On the unification of thermal perception and adaptive actions. <i>Building and Environment</i> , 2010, 45, 2440-2457.	3.0	91
9	A comparison of global optimization algorithms with standard benchmark functions and real-world applications using EnergyPlus. <i>Journal of Building Performance Simulation</i> , 2010, 3, 103-120.	1.0	66
10	Modelling occupants' personal characteristics for thermal comfort prediction. <i>International Journal of Biometeorology</i> , 2011, 55, 681-694.	1.3	60
11	Future improvements on performance of an EU landfill directive driven municipal solid waste management for a city in England. <i>Waste Management</i> , 2020, 102, 452-463.	3.7	50
12	A review and critique of UK housing stock energy models, modelling approaches and data sources. <i>Energy and Buildings</i> , 2017, 151, 66-80.	3.1	42
13	On the multi-agent stochastic simulation of occupants in buildings. <i>Journal of Building Performance Simulation</i> , 2018, 11, 604-621.	1.0	39
14	Assessing uncertainty in housing stock infiltration rates and associated heat loss: English and UK case studies. <i>Building and Environment</i> , 2015, 92, 644-656.	3.0	37
15	Model to predict overheating risk based on an electrical capacitor analogy. <i>Energy and Buildings</i> , 2008, 40, 1240-1245.	3.1	26
16	Modelling Urban Housing Stocks for Building Energy Simulation using CityGML EnergyADE. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 163.	1.4	22
17	On the Reliable Generation of 3D City Models from Open Data. <i>Urban Science</i> , 2020, 4, 47.	1.1	21
18	An integrated adaptive model for overheating risk prediction. <i>Journal of Building Performance Simulation</i> , 2008, 1, 43-55.	1.0	15

#	ARTICLE	IF	CITATIONS
19	An open-source simulation platform to support the formulation of housing stock decarbonisation strategies. <i>Energy and Buildings</i> , 2018, 172, 459-477.	3.1	12
20	Thermal comfort modelling of older people living in care homes: An evaluation of heat balance, adaptive comfort, and thermographic methods. <i>Building and Environment</i> , 2022, 207, 108550.	3.0	12
21	Automated classification metrics for energy modelling of residential buildings in the UK with open algorithms. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2020, 47, 45-64.	1.0	8
22	A multi-scale integrated assessment model to support urban sustainability. <i>Sustainability Science</i> , 2022, 17, 151-169.	2.5	8
23	Enhanced EnHub: dynamic simulation of housing stock energy systems. <i>Journal of Building Performance Simulation</i> , 2020, 13, 516-531.	1.0	3
24	Using unsupervised learning to partition 3D city scenes for distributed building energy microsimulation. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2021, 48, 1198-1212.	1.0	2
25	Editorial: Innovations in envelope design, fabrication and analysis. <i>Architectural Science Review</i> , 2021, 64, 465-466.	1.1	1
26	Modelling the emergence of cities and urban patterning using coupled integro-differential equations. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20220176.	1.5	0