

Davide Cali

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

751
citations

932766

10
h-index

839053

18
g-index

21
all docs

21
docs citations

21
times ranked

828
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of non-linear autoregressive models with exogenous inputs for room air temperature modelling. Energy and AI, 2022, 9, 100165.	5.8	7
2	Estimating Building Airtightness from Data – A Case Study. E3S Web of Conferences, 2021, 246, 10004.	0.2	0
3	Non-linear Model Predictive Control for Smart Heating of Buildings. E3S Web of Conferences, 2021, 246, 09005.	0.2	4
4	An Evaluation Framework for Sustainable Plus Energy Neighbourhoods: Moving Beyond the Traditional Building Energy Assessment. Energies, 2021, 14, 4314.	1.6	30
5	Non-linear grey-box modelling for heat dynamics of buildings. Energy and Buildings, 2021, 252, 111457.	3.1	23
6	Validation, optimisation and comparison of carbon dioxide-based occupancy estimation algorithms. Indoor and Built Environment, 2020, 29, 820-834.	1.5	2
7	Method for Scalable and Automatised Thermal Building Performance Documentation and Screening. Energies, 2020, 13, 3866.	1.6	16
8	A cross-disciplinary path to healthy and energy efficient buildings. Technological Forecasting and Social Change, 2019, 142, 273-284.	6.2	10
9	CO ₂ -based grey-box model to estimate airflow rate and room occupancy. E3S Web of Conferences, 2019, 111, 04036.	0.2	2
10	climify.org: an online solution for easy control and monitoring of the indoor environment. E3S Web of Conferences, 2019, 111, 05006.	0.2	1
11	WinProGen: A Markov-Chain-based stochastic window status profile generator for the simulation of realistic energy performance in buildings. Building and Environment, 2018, 136, 240-258.	3.0	27
12	Modelling diversity in building occupant behaviour: a novel statistical approach. Journal of Building Performance Simulation, 2017, 10, 527-544.	1.0	58
13	Energy performance gap in refurbished German dwellings: Lesson learned from a field test. Energy and Buildings, 2016, 127, 1146-1158.	3.1	180
14	Analysis of occupants' behavior related to the use of windows in German households. Building and Environment, 2016, 103, 54-69.	3.0	106
15	Ergebnisse einer energetischen Sanierung: Abweichung zwischen Energiebedarf und Verbrauch - ist nur der Nutzer Schuld?. Bauphysik, 2015, 37, 100-104.	1.2	2
16	CO ₂ based occupancy detection algorithm: Experimental analysis and validation for office and residential buildings. Building and Environment, 2015, 86, 39-49.	3.0	172
17	Multiphysics Test Bed for Renewable Energy Systems in Smart Homes. IEEE Transactions on Industrial Electronics, 2013, 60, 1235-1248.	5.2	51
18	New energy concepts and related information technologies: Dual Demand Side Management. , 2012, , .		21

#	ARTICLE	IF	CITATIONS
19	Consumer benefits of electricity-price-driven heat pump operation in future smart grids. , 2011, , .		7
20	Retrofit Solutions for Residential Buildings. International Journal of Sustainable Building Technology and Urban Development, 2011, 2, 131-136.	1.0	7
21	Novel heating and cooling concept employing rainwater cisterns and thermo-active building systems for a residential building. Applied Energy, 2010, 87, 650-660.	5.1	25