M J N Oliveira Panão

List of Publications by Year
in descending order

19	402	759233	794594
papers	citations	12	19
		h-index	g-index

19	19	19	476
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Climate change impacts on the thermal performance of Portuguese buildings. Results of the SIAM study. Building Services Engineering Research and Technology, 2002, 23, 223-231.	1.8	53
2	Measured and modeled performance of internal mass as a thermal energy battery for energy flexible residential buildings. Applied Energy, 2019, 239, 252-267.	10.1	43
3	Validation of a lumped RC model for thermal simulation of a double skin natural and mechanical ventilated test cell. Energy and Buildings, 2016, 121, 92-103.	6.7	39
4	How low should be the energy required by a nearly Zero-Energy Building? The load/generation energy balance of Mediterranean housing. Energy and Buildings, 2013, 61, 161-171.	6.7	37
5	Modelling aggregate hourly electricity consumption based on bottom-up building stock. Energy and Buildings, 2018, 170, 170-182.	6.7	31
6	Optimization of the urban building efficiency potential for mid-latitude climates using a genetic algorithm approach. Renewable Energy, 2008, 33, 887-896.	8.9	30
7	Numerical analysis of the street canyon thermal conductance to improve urban design and climate. Building and Environment, 2009, 44, 177-187.	6.9	29
8	Solar Load Ratio and ISO 13790 methodologies: Indirect gains from sunspaces. Energy and Buildings, 2012, 51, 212-222.	6.7	20
9	Assessment of the Portuguese building thermal code: Newly revised requirements for cooling energy needs used to prevent the overheating of buildings in the summer. Energy, 2011, 36, 3262-3271.	8.8	18
10	Country residential building stock electricity demand in future climate â€“ Portuguese case study. Energy and Buildings, 2020, 209, 109694.	6.7	18
11	A Matrix Approach Coupled with Monte Carlo Techniques for Solving the Net Radiative Balance of the Urban Block. Boundary-Layer Meteorology, 2007, 122, 217-241.	2.3	16
12	Monte Carlo housing stock model to predict the energy performance indicators. Energy and Buildings, 2017, 152, 503-515.	6.7	16
13	Solar XXI building: Proof of concept or a concept to be proved?. Renewable Energy, 2011, 36, 2703-2710.	8.9	13
14	Lessons learnt from using energy poverty expenditure-based indicators in a mild winter climate. Energy and Buildings, 2021, 242, 110936.	6.7	10
15	Revisiting cooling energy requirements of residential buildings in Portugal in light of climate change. Energy and Buildings, 2014, 76, 354-362.	6.7	9
16	The overall renewable energy fraction: An alternative performance indicator for evaluating Net Zero Energy Buildings. Energy and Buildings, 2016, 127, 736-747.	6.7	9
17	Passive Cooling Load Ratio method. Energy and Buildings, 2013, 64, 209-217.	6.7	6
18	Determining the shading correction factor using a smartphone camera with a fisheye lens. Solar Energy, 2019, 190, 596-607.	6.1	3

#	Article	IF	Citations
19	Building Stock Energy Model: Towards a Stochastic Approach. Energies, 2022, 15, 1420.	3.1	2