

Marilena De Simone

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

680
citations

18
h-index

25
g-index

37
ext. papers

856
ext. citations

5.3
avg, IF

4.29
L-index

#	Paper	IF	Citations
35	Modeling occupant behavior in buildings. <i>Building and Environment</i> , 2020 , 174, 106768	6.5	56
34	Plant cover and floristic composition effect on thermal behaviour of extensive green roofs. <i>Building and Environment</i> , 2015 , 92, 305-316	6.5	56
33	A review of select human-building interfaces and their relationship to human behavior, energy use and occupant comfort. <i>Building and Environment</i> , 2020 , 178, 106920	6.5	44
32	Experimental evaluation of the use of fins and metal wool as heat transfer enhancement techniques in a latent heat thermal energy storage system. <i>Energy Conversion and Management</i> , 2019 , 184, 530-538	10.6	43
31	Solar heat gains and operative temperature in attached sunspaces. <i>Renewable Energy</i> , 2012 , 39, 241-249	8.1	43
30	Energy and thermo-fluid-dynamics evaluations of photovoltaic panels cooled by water and air. <i>Solar Energy</i> , 2014 , 105, 147-156	6.8	40
29	An international review of occupant-related aspects of building energy codes and standards. <i>Building and Environment</i> , 2020 , 179, 106906	6.5	38
28	A new parameter for the dynamic analysis of building walls using the harmonic method. <i>International Journal of Thermal Sciences</i> , 2015 , 88, 96-109	4.1	27
27	Human-building interaction at work: Findings from an interdisciplinary cross-country survey in Italy. <i>Building and Environment</i> , 2018 , 132, 147-159	6.5	27
26	Analytical model for solidification and melting in a finite PCM in steady periodic regime. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 88, 844-861	4.9	27
25	A rational thermodynamic use of liquefied natural gas in a waste incinerator plant. <i>Applied Thermal Engineering</i> , 2012 , 35, 134-144	5.8	27
24	An accurate calculation model of solar heat gain through glazed surfaces. <i>Energy and Buildings</i> , 2011 , 43, 269-274	7	27
23	Evaluation of the absorption coefficient for solar radiation in sunspaces and windowed rooms. <i>Solar Energy</i> , 2008 , 82, 212-219	6.8	24
22	Behavioral variables and occupancy patterns in the design and modeling of Nearly Zero Energy Buildings. <i>Building Simulation</i> , 2017 , 10, 875-888	3.9	20
21	On the use of questionnaire in residential buildings. A review of collected data, methodologies and objectives. <i>Energy and Buildings</i> , 2019 , 186, 297-318	7	20
20	Energy consumption of residential buildings and occupancy profiles. A case study in Mediterranean climatic conditions. <i>Energy Efficiency</i> , 2018 , 11, 121-145	3	20
19	Experimental evaluations of the building shell radiant exchange in clear sky conditions. <i>Solar Energy</i> , 2012 , 86, 1785-1795	6.8	19

18	The impacts of building characteristics, social psychological and cultural factors on indoor environment quality productivity belief. <i>Building and Environment</i> , 2020 , 185, 107189	6.5	18
17	Thermal and Stability Investigation of Phase Change Material Dispersions for Thermal Energy Storage by T-History and Optical Methods. <i>Energies</i> , 2017 , 10, 354	3.1	15
16	Culture, conformity, and carbon? A multi-country analysis of heating and cooling practices in office buildings. <i>Energy Research and Social Science</i> , 2020 , 61, 101344	7.7	15
15	Occupancy patterns obtained by heuristic approaches: Cluster analysis and logical flowcharts. A case study in a university office. <i>Energy and Buildings</i> , 2019 , 186, 147-168	7	12
14	Behavioral and Physical Factors Influencing Energy Building Performances in Mediterranean Climate. <i>Energy Procedia</i> , 2015 , 78, 603-608	2.3	11
13	Application of survey on energy consumption and occupancy in residential buildings. An experience in Southern Italy. <i>Energy Procedia</i> , 2018 , 148, 1082-1089	2.3	11
12	Energy and Hydraulic Performance of a Vegetated Roof in Sub-Mediterranean Climate. <i>Sustainability</i> , 2018 , 10, 3473	3.6	11
11	Sensing and Data Acquisition 2018 , 77-105		9
10	Light scattering methods to test inorganic PCMs for application in buildings. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 251, 012122	0.4	5
9	Assessment of probabilistic models to estimate the occupancy state in office buildings using indoor parameters and user-related variables. <i>Energy and Buildings</i> , 2021 , 246, 111105	7	5
8	Assessment of the Impact of Occupants Behavior and Climate Change on Heating and Cooling Energy Needs of Buildings. <i>Energies</i> , 2020 , 13, 6468	3.1	4
7	Dynamic Thermal Characteristics of Opaque Building Components. A Proposal for the Extension of EN ISO 13786. <i>Energy Procedia</i> , 2015 , 78, 3240-3245	2.3	2
6	The Role of the Thermal Mass in nZEB with different Energy Systems. <i>Energy Procedia</i> , 2016 , 101, 121-128	3	2
5	A guideline to document occupant behavior models for advanced building controls. <i>Building and Environment</i> , 2022 , 219, 109195	6.5	1
4	Intersecting heuristic adaptive strategies, building design and energy saving intentions when facing discomfort environment: A cross-country analysis. <i>Building and Environment</i> , 2021 , 204, 108129	6.5	0
3	Effect of Climate Change and Occupant Behaviour on the Environmental Impact of the Heating and Cooling Systems of a Real Apartment. A Parametric Study through Life Cycle Assessment. <i>Energies</i> , 2021 , 14, 8356	3.1	0
2	Characterization of Glauber Hydrate Salt, Recoverable from the Disposal of Lead Batteries, When Used for Thermal Energy Storage. <i>Advances in Science, Technology and Innovation</i> , 2018 , 81-83	0.3	
1	Surveys and inferential statistics to analyze contextual and personal factors influencing domestic hot water systems and usage profiles in residential buildings of Southern Italy. <i>Energy and Buildings</i> , 2021 , 255, 111660	7	

