

Mohammad Saffari

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.

14
papers

758
citations

11
h-index

15
g-index

15
ext. papers

936
ext. citations

7.7
avg, IF

4.64
L-index

#	Paper	IF	Citations
14	Simulation-based optimization of PCM melting temperature to improve the energy performance in buildings. <i>Applied Energy</i> , 2017 , 202, 420-434	10.7	153
13	Passive cooling of buildings with phase change materials using whole-building energy simulation tools: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 80, 1239-1255	16.2	128
12	Energy savings due to the use of PCM for relocatable lightweight buildings passive heating and cooling in different weather conditions. <i>Energy and Buildings</i> , 2016 , 129, 274-283	7	115
11	Economic impact of integrating PCM as passive system in buildings using Fanger comfort model. <i>Energy and Buildings</i> , 2016 , 112, 159-172	7	109
10	Optimized demand side management (DSM) of peak electricity demand by coupling low temperature thermal energy storage (TES) and solar PV. <i>Applied Energy</i> , 2018 , 211, 604-616	10.7	79
9	Thermal stress reduction in cool roof membranes using phase change materials (PCM). <i>Energy and Buildings</i> , 2018 , 158, 1097-1105	7	41
8	Optimal control of natural ventilation as passive cooling strategy for improving the energy performance of building envelope with PCM integration. <i>Renewable Energy</i> , 2020 , 162, 171-181	8.1	39
7	Optimization of roof solar reflectance under different climate conditions, occupancy, building configuration and energy systems. <i>Energy and Buildings</i> , 2017 , 151, 81-97	7	24
6	Cool Roof Impact on Building Energy Need: The Role of Thermal Insulation with Varying Climate Conditions. <i>Energies</i> , 2019 , 12, 3354	3.1	20
5	Improving the energy efficiency of passive PCM system using controlled natural ventilation. <i>Energy and Buildings</i> , 2020 , 228, 110483	7	20
4	A fundamental unified framework to quantify and characterise energy flexibility of residential buildings with multiple electrical and thermal energy systems. <i>Applied Energy</i> , 2021 , 282, 116096	10.7	18
3	Closing the gap between simulation and measured energy use in home archetypes. <i>Energy and Buildings</i> , 2020 , 224, 110244	7	11
2	Self-Learning Control Algorithms for Energy Systems Integration in the Residential Building Sector 2019 ,		1
1	Optimising Supply Chain Logistics System Using Data Analytics Techniques. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2020 , 77-91	0.2	