

Fabiano Pallonetto

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

646
citations

758635

12
h-index

1058022

14
g-index

16
all docs

16
docs citations

16
times ranked

607
citing authors

#	ARTICLE	IF	CITATIONS
1	Demand response algorithms for smart-grid ready residential buildings using machine learning models. <i>Applied Energy</i> , 2019, 239, 1265-1282.	5.1	130
2	The effect of time-of-use tariffs on the demand response flexibility of an all-electric smart-grid-ready dwelling. <i>Energy and Buildings</i> , 2016, 128, 56-67.	3.1	96
3	On the assessment and control optimisation of demand response programs in residential buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 127, 109861.	8.2	90
4	A Genetic Algorithm for a Green Vehicle Routing Problem. <i>Electronic Notes in Discrete Mathematics</i> , 2018, 64, 65-74.	0.4	71
5	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.	5.1	49
6	Forecast electricity demand in commercial building with machine learning models to enable demand response programs. <i>Energy and AI</i> , 2022, 7, 100121.	5.8	44
7	Diversification, concentration and renewability of the energy supply in the European Union. <i>Energy</i> , 2022, 253, 124097.	4.5	40
8	Definition of a useful minimal-set of accurately-specified input data for Building Energy Performance Simulation. <i>Energy and Buildings</i> , 2018, 165, 172-183.	3.1	34
9	SimApi, a smartgrid co-simulation software platform for benchmarking building control algorithms. <i>SoftwareX</i> , 2019, 9, 271-281.	1.2	21
10	Impact of intelligent control algorithms on demand response flexibility and thermal comfort in a smart grid ready residential building. <i>Smart Energy</i> , 2021, 2, 100017.	2.6	16
11	A Framework for Analysis and Expansion of Public Charging Infrastructure under Fast Penetration of Electric Vehicles. <i>World Electric Vehicle Journal</i> , 2020, 11, 18.	1.6	14
12	An ensemble learning-based framework for assessing the energy flexibility of residential buildings with multicomponent energy systems. <i>Applied Energy</i> , 2022, 315, 118947.	5.1	12
13	Spine Toolbox: A flexible open-source workflow management system with scenario and data management. <i>SoftwareX</i> , 2022, 17, 100967.	1.2	11
14	Environmental and economic benefits of building retrofit measures for the residential sector by utilizing sensor data and advanced calibrated models. <i>Advances in Building Energy Research</i> , 2022, 16, 89-117.	1.1	10
15	A restful API to control a energy plus smart grid-ready residential building. , 2014, , .		6
16	Self-Learning Control Algorithms for Energy Systems Integration in the Residential Building Sector. , 2019, , .		2