

# Ilaria Ballarini

## List of Publications by Year in Descending Order

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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.

29  
papers

879  
citations

13  
h-index

29  
g-index

32  
ext. papers

1,031  
ext. citations

3.9  
avg, IF

4.86  
L-index

#	Paper	IF	Citations
29	Validation of the simplified heat conduction model of EN ISO 52016-1. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2069, 012136	0.3	0
28	The application of the EN ISO 52016 standard and its Italian National Annex to assess the heating and cooling needs of a reference office building. <i>E3S Web of Conferences</i> , <b>2021</b> , 312, 06003	0.5	0
27	Accuracy of Simplified Modelling Assumptions on External and Internal Driving Forces in the Building Energy Performance Simulation. <i>Energies</i> , <b>2021</b> , 14, 6841	3.1	3
26	Analysing the future energy performance of residential buildings in the most populated Italian climatic zone: A study of climate change impacts. <i>Energy Reports</i> , <b>2021</b> ,	4.6	11
25	On the improvement of indoor environmental quality, energy performance and costs for a commercial nearly zero-energy building. <i>Science and Technology for the Built Environment</i> , <b>2021</b> , 27, 1056-1074 <sup>1</sup>	1.8	1074 <sup>1</sup>
24	A Comparative Analysis of Different Future Weather Data for Building Energy Performance Simulation. <i>Climate</i> , <b>2021</b> , 9, 37	3.1	11
23	Building Stock Energy Models and ICT Solutions for Urban Energy Systems. <i>Advances in Civil and Industrial Engineering Book Series</i> , <b>2021</b> , 490-514	0.5	
22	Renovation of a social house into a NZEB: Use of renewable energy sources and economic implications. <i>Renewable Energy</i> , <b>2020</b> , 159, 356-370	8.1	16
21	Sensitivity Analysis of the Thermal Energy Need of a Residential Building Assessed by means of the EN ISO 52016 Simplified Dynamic Method. <i>E3S Web of Conferences</i> , <b>2020</b> , 197, 02012	0.5	2
20	A Methodology to Investigate the Deviations between Simple and Detailed Dynamic Methods for the Building Energy Performance Assessment. <i>Energies</i> , <b>2020</b> , 13, 6217	3.1	11
19	Transformation of an Office Building into a Nearly Zero Energy Building (nZEB): Implications for Thermal and Visual Comfort and Energy Performance. <i>Energies</i> , <b>2019</b> , 12, 895	3.1	29
18	Energy and environmental payback times for an NZEB retrofit. <i>Building and Environment</i> , <b>2019</b> , 147, 461-472	4.32	50
17	On the limits of the quasi-steady-state method to predict the energy performance of low-energy buildings. <i>Thermal Science</i> , <b>2018</b> , 22, 1117-1127	1.2	7
16	Integration of Thermal and Visual Comfort in the Retrofit of Existing Buildings <b>2018</b> ,		2
15	Energy refurbishment of the Italian residential building stock: energy and cost analysis through the application of the building typology. <i>Energy Policy</i> , <b>2017</b> , 105, 148-160	7.2	75
14	The significant imbalance of nZEB energy need for heating and cooling in Italian climatic zones. <i>Energy Procedia</i> , <b>2017</b> , 126, 258-265	2.3	12
13	Data analytics for occupancy pattern learning to reduce the energy consumption of HVAC systems in office buildings. <i>Sustainable Cities and Society</i> , <b>2017</b> , 35, 191-208	10.1	64

12	A new procedure of energy audit and cost analysis for the transformation of a school into a nearly zero-energy building. <i>Energy Procedia</i> , <b>2017</b> , 140, 325-338	2.3	23
11	A New Methodology for Assessing the Energy Consumption of Building Stocks. <i>Energies</i> , <b>2017</b> , 10, 1102	3.1	16
10	Refurbishment trends of the residential building stock: Analysis of a regional pilot case in Italy. <i>Energy and Buildings</i> , <b>2016</b> , 132, 91-106	7	50
9	Verification of the New Ministerial Decree about Minimum Requirements for the Energy Performance of Buildings. <i>Energy Procedia</i> , <b>2016</b> , 101, 200-207	2.3	7
8	Refurbishment of the Residential Building Stock toward the Nearly-Zero Energy Target Through the Application of the Building Typology. <i>Energy Procedia</i> , <b>2016</b> , 101, 208-215	2.3	7
7	Data structuring for the ontological modelling of urban energy systems: The experience of the SEMANCO project. <i>Sustainable Cities and Society</i> , <b>2015</b> , 14, 223-235	10.1	28
6	Tracking the Energy Refurbishment Processes in Residential Building Stocks. The Pilot Case of Piedmont Region. <i>Energy Procedia</i> , <b>2015</b> , 78, 1051-1056	2.3	6
5	Assessment of Cost-optimal Energy Performance Requirements for the Italian Residential Building Stock. <i>Energy Procedia</i> , <b>2014</b> , 45, 443-452	2.3	39
4	Use of reference buildings to assess the energy saving potentials of the residential building stock: The experience of TABULA project. <i>Energy Policy</i> , <b>2014</b> , 68, 273-284	7.2	287
3	Data integration driven ontology design, case study smart city <b>2013</b> ,		9
2	Analysis of the building energy balance to investigate the effect of thermal insulation in summer conditions. <i>Energy and Buildings</i> , <b>2012</b> , 52, 168-180	7	46
1	Application of energy rating methods to the existing building stock: Analysis of some residential buildings in Turin. <i>Energy and Buildings</i> , <b>2009</b> , 41, 790-800	7	66