

Ilaria Ballarini

List of Publications by Citations

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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 | Use of reference buildings to assess the energy saving potentials of the residential building stock: The experience of TABULA project. <i>Energy Policy</i> , 2014 , 68, 273-284 | 7.2 | 287 |
| 28 | Energy refurbishment of the Italian residential building stock: energy and cost analysis through the application of the building typology. <i>Energy Policy</i> , 2017 , 105, 148-160 | 7.2 | 75 |
| 27 | Application of energy rating methods to the existing building stock: Analysis of some residential buildings in Turin. <i>Energy and Buildings</i> , 2009 , 41, 790-800 | 7 | 66 |
| 26 | Data analytics for occupancy pattern learning to reduce the energy consumption of HVAC systems in office buildings. <i>Sustainable Cities and Society</i> , 2017 , 35, 191-208 | 10.1 | 64 |
| 25 | Refurbishment trends of the residential building stock: Analysis of a regional pilot case in Italy. <i>Energy and Buildings</i> , 2016 , 132, 91-106 | 7 | 50 |
| 24 | Energy and environmental payback times for an NZEB retrofit. <i>Building and Environment</i> , 2019 , 147, 461-472 | 4.32 | 50 |
| 23 | Analysis of the building energy balance to investigate the effect of thermal insulation in summer conditions. <i>Energy and Buildings</i> , 2012 , 52, 168-180 | 7 | 46 |
| 22 | Assessment of Cost-optimal Energy Performance Requirements for the Italian Residential Building Stock. <i>Energy Procedia</i> , 2014 , 45, 443-452 | 2.3 | 39 |
| 21 | Transformation of an Office Building into a Nearly Zero Energy Building (nZEB): Implications for Thermal and Visual Comfort and Energy Performance. <i>Energies</i> , 2019 , 12, 895 | 3.1 | 29 |
| 20 | Data structuring for the ontological modelling of urban energy systems: The experience of the SEMANCO project. <i>Sustainable Cities and Society</i> , 2015 , 14, 223-235 | 10.1 | 28 |
| 19 | 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> , 2017 , 140, 325-338 | 2.3 | 23 |
| 18 | Renovation of a social house into a NZEB: Use of renewable energy sources and economic implications. <i>Renewable Energy</i> , 2020 , 159, 356-370 | 8.1 | 16 |
| 17 | A New Methodology for Assessing the Energy Consumption of Building Stocks. <i>Energies</i> , 2017 , 10, 1102 | 3.1 | 16 |
| 16 | The significant imbalance of nZEB energy need for heating and cooling in Italian climatic zones. <i>Energy Procedia</i> , 2017 , 126, 258-265 | 2.3 | 12 |
| 15 | A Methodology to Investigate the Deviations between Simple and Detailed Dynamic Methods for the Building Energy Performance Assessment. <i>Energies</i> , 2020 , 13, 6217 | 3.1 | 11 |
| 14 | 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> , 2021 , | 4.6 | 11 |
| 13 | A Comparative Analysis of Different Future Weather Data for Building Energy Performance Simulation. <i>Climate</i> , 2021 , 9, 37 | 3.1 | 11 |

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| 12 | Data integration driven ontology design, case study smart city 2013 , | | 9 |
| 11 | On the limits of the quasi-steady-state method to predict the energy performance of low-energy buildings. <i>Thermal Science</i> , 2018 , 22, 1117-1127 | 1.2 | 7 |
| 10 | Verification of the New Ministerial Decree about Minimum Requirements for the Energy Performance of Buildings. <i>Energy Procedia</i> , 2016 , 101, 200-207 | 2.3 | 7 |
| 9 | Refurbishment of the Residential Building Stock toward the Nearly-Zero Energy Target Through the Application of the Building Typology. <i>Energy Procedia</i> , 2016 , 101, 208-215 | 2.3 | 7 |
| 8 | Tracking the Energy Refurbishment Processes in Residential Building Stocks. The Pilot Case of Piedmont Region. <i>Energy Procedia</i> , 2015 , 78, 1051-1056 | 2.3 | 6 |
| 7 | Accuracy of Simplified Modelling Assumptions on External and Internal Driving Forces in the Building Energy Performance Simulation. <i>Energies</i> , 2021 , 14, 6841 | 3.1 | 3 |
| 6 | 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> , 2020 , 197, 02012 | 0.5 | 2 |
| 5 | Integration of Thermal and Visual Comfort in the Retrofit of Existing Buildings 2018 , | | 2 |
| 4 | 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> , 2021 , 27, 1056-1074 ¹ | 1.8 | 1 |
| 3 | Validation of the simplified heat conduction model of EN ISO 52016-1. <i>Journal of Physics: Conference Series</i> , 2021 , 2069, 012136 | 0.3 | 0 |
| 2 | 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> , 2021 , 312, 06003 | 0.5 | 0 |
| 1 | Building Stock Energy Models and ICT Solutions for Urban Energy Systems. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2021 , 490-514 | 0.5 | |