Ilaria Ballarini

List of Publications by Year
in descending order

32 papers	1,206 citations	471061 17 h-index	500791 28 g-index
32 all docs	32 docs citations	32 times ranked	1273 citing authors

#	Article	IF	Citations
1	Use of reference buildings to assess the energy saving potentials of the residential building stock: The experience of TABULA project. Energy Policy, 2014, 68, 273-284.	4.2	358
2	Energy refurbishment of the Italian residential building stock: energy and cost analysis through the application of the building typology. Energy Policy, 2017, 105, 148-160.	4.2	94
3	Data analytics for occupancy pattern learning to reduce the energy consumption of HVAC systems in office buildings. Sustainable Cities and Society, 2017, 35, 191-208.	5.1	84
4	Energy and environmental payback times for an NZEB retrofit. Building and Environment, 2019, 147, 461-472.	3.0	84
5	Application of energy rating methods to the existing building stock: Analysis of some residential buildings in Turin. Energy and Buildings, 2009, 41, 790-800.	3.1	75
6	Refurbishment trends of the residential building stock: Analysis of a regional pilot case in Italy. Energy and Buildings, 2016, 132, 91-106.	3.1	63
7	Analysis of the building energy balance to investigate the effect of thermal insulation in summer conditions. Energy and Buildings, 2012, 52, 168-180.	3.1	53
8	Transformation of an Office Building into a Nearly Zero Energy Building (nZEB): Implications for Thermal and Visual Comfort and Energy Performance. Energies, 2019, 12, 895.	1.6	46
9	Assessment of Cost-optimal Energy Performance Requirements for the Italian Residential Building Stock. Energy Procedia, 2014, 45, 443-452.	1.8	45
10	Analysing the future energy performance of residential buildings in the most populated Italian climatic zone: A study of climate change impacts. Energy Reports, 2021, 7, 8548-8560.	2.5	38
11	A Comparative Analysis of Different Future Weather Data for Building Energy Performance Simulation. Climate, 2021, 9, 37.	1.2	35
12	Data structuring for the ontological modelling of urban energy systems: The experience of the SEMANCO project. Sustainable Cities and Society, 2015, 14, 223-235.	5.1	34
13	A new procedure of energy audit and cost analysis for the transformation of a school into a nearly zero-energy building. Energy Procedia, 2017, 140, 325-338.	1.8	32
14	Renovation of a social house into a NZEB: Use of renewable energy sources and economic implications. Renewable Energy, 2020, 159, 356-370.	4.3	29
15	A New Methodology for Assessing the Energy Consumption of Building Stocks. Energies, 2017, 10, 1102.	1.6	21
16	A Methodology to Investigate the Deviations between Simple and Detailed Dynamic Methods for the Building Energy Performance Assessment. Energies, 2020, 13, 6217.	1.6	18
17	Verification of the New Ministerial Decree about Minimum Requirements for the Energy Performance of Buildings. Energy Procedia, 2016, 101, 200-207.	1.8	17
18	The significant imbalance of nZEB energy need for heating and cooling in Italian climatic zones. Energy Procedia, 2017, 126, 258-265.	1.8	14

#	Article	IF	Citations
19	Data integration driven ontology design, case study smart city. , 2013, , .		11
20	On the limits of the quasi-steady-state method to predict the energy performance of low-energy buildings. Thermal Science, 2018, 22, 1117-1127.	0.5	11
21	Refurbishment of the Residential Building Stock toward the Nearly-Zero Energy Target Through the Application of the Building Typology. Energy Procedia, 2016, 101, 208-215.	1.8	8
22	Tracking the Energy Refurbishment Processes in Residential Building Stocks. The Pilot Case of Piedmont Region. Energy Procedia, 2015, 78, 1051-1056.	1.8	7
23	Accuracy of Simplified Modelling Assumptions on External and Internal Driving Forces in the Building Energy Performance Simulation. Energies, 2021, 14, 6841.	1.6	6
24	Improvements of simplified hourly models for the energy assessment of buildings: The application of EN ISO 52016 in Italy. Energy Reports, 2022, 8, 7349-7359.	2.5	6
25	On the improvement of indoor environmental quality, energy performance and costs for a commercial nearly zero-energy building. Science and Technology for the Built Environment, 2021, 27, 1056-1074.	0.8	5
26	Integration of Thermal and Visual Comfort in the Retrofit of Existing Buildings. , 2018, , .		4
27	Sensitivity Analysis of the Thermal Energy Need of a Residential Building Assessed by means of the EN ISO 52016 Simplified Dynamic Method. E3S Web of Conferences, 2020, 197, 02012.	0.2	4
28	Building simulation 2019: 16th IBPSA international conference and exhibition. Science and Technology for the Built Environment, 2021, 27, 1017-1017.	0.8	1
29	Optimized Solutions For Thermal And Visual Comfort In The Design Of A Nearly Zero-Energy Building. , 0, , .		1
30	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. E3S Web of Conferences, 2021, 312, 06003.	0.2	1
31	Validation of the simplified heat conduction model of EN ISO 52016-1. Journal of Physics: Conference Series, 2021, 2069, 012136.	0.3	1
32	Building Stock Energy Models and ICT Solutions for Urban Energy Systems. Advances in Civil and Industrial Engineering Book Series, 2021, , 490-514.	0.2	0