

# Vincenzo Corrado

## 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.

59  
papers

1,528  
citations

20  
h-index

38  
g-index

69  
ext. papers

1,743  
ext. citations

4  
avg, IF

5.26  
L-index

#	Paper	IF	Citations
59	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
58	A model to design and optimize multi-energy systems in buildings at the design concept stage. <i>Renewable Energy</i> , <b>2010</b> , 35, 644-655	8.1	113
57	USE of the ANOVA approach for sensitive building energy design. <i>Applied Energy</i> , <b>2010</b> , 87, 3073-3083	10.7	92
56	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
55	A building thermal bridges sensitivity analysis. <i>Applied Energy</i> , <b>2013</b> , 107, 229-243	10.7	74
54	Uncertainty and Sensitivity Analysis for Building Energy Rating. <i>Journal of Building Physics</i> , <b>2009</b> , 33, 125-166	7.0	70
53	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
52	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
51	A method for heating consumption assessment in existing buildings: A field survey concerning 120 Italian schools. <i>Energy and Buildings</i> , <b>2008</b> , 40, 801-809	7	58
50	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
49	Energy and environmental payback times for an NZEB retrofit. <i>Building and Environment</i> , <b>2019</b> , 147, 461-472	10.7	50
48	Assessment of building cooling energy need through a quasi-steady state model: Simplified correlation for gain-loss mismatch. <i>Energy and Buildings</i> , <b>2007</b> , 39, 569-579	7	48
47	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
46	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
45	Comparison between measured and calculated parameters for the acoustical characterization of small classrooms. <i>Applied Acoustics</i> , <b>2008</b> , 69, 966-976	3.1	34
44	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
43	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

42	Impact of daylighting on total energy use in offices of varying architectural features in Italy: Results from a parametric study. <i>Building and Environment</i> , <b>2017</b> , 113, 151-162	6.5	28
41	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
40	Calculation procedure of the shading factor under complex boundary conditions. <i>Solar Energy</i> , <b>2011</b> , 85, 2524-2539	6.8	20
39	Implementing Cost-optimal Methodology in Existing Public Buildings. <i>Energy Procedia</i> , <b>2015</b> , 78, 2022-2027	2.3	19
38	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
37	New equivalent parameters for thermal characterization of opaque building envelope components under dynamic conditions. <i>Applied Energy</i> , <b>2016</b> , 163, 313-322	10.7	16
36	A New Methodology for Assessing the Energy Consumption of Building Stocks. <i>Energies</i> , <b>2017</b> , 10, 1102	3.1	16
35	New Challenge of the Public Buildings: nZEB Findings from IEE RePublic_ZEB Project. <i>Energy Procedia</i> , <b>2015</b> , 78, 2016-2021	2.3	13
34	On the Refurbishment of the Public Building Stock Toward the Nearly Zero-energy Target: Two Italian case studies. <i>Energy Procedia</i> , <b>2016</b> , 101, 105-112	2.3	13
33	The new Italian Climatic Data and their Effect in the Calculation of the Energy Performance of Buildings. <i>Energy Procedia</i> , <b>2016</b> , 101, 153-160	2.3	13
32	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
31	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
30	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
29	A Comparative Analysis of Different Future Weather Data for Building Energy Performance Simulation. <i>Climate</i> , <b>2021</b> , 9, 37	3.1	11
28	Cost-optimal approach to transform the public buildings into nZEBs: an European cross-country comparison. <i>Energy Procedia</i> , <b>2017</b> , 140, 314-324	2.3	10
27	The effect of glazing on nZEB performance. <i>Energy Procedia</i> , <b>2018</b> , 148, 320-327	2.3	9
26	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
25	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

24	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
23	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
22	Editorial to the Proceedings of the 6th International Building Physics Conference (IBPC 2015). <i>Energy Procedia</i> , <b>2015</b> , 78, 1	2.3	3
21	Influence of Comfort Expectations on Building Energy Need. <i>Energy Procedia</i> , <b>2017</b> , 140, 265-276	2.3	3
20	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
19	Steady-State and Dynamic Codes, Critical Review, Advantages and Disadvantages, Accuracy, and Reliability <b>2019</b> , 263-294		3
18	Improved procedure for the construction of a Typical Meteorological Year for assessing the energy need of a residential building. <i>Journal of Building Performance Simulation</i> , <b>2020</b> , 13, 139-151	2.8	3
17	Influence of the Meteorological Record Length on the Generation of Representative Weather Files. <i>Energies</i> , <b>2020</b> , 13, 2103	3.1	2
16	Application of the Comparative Methodology for the Definition of Individual Building Elements Energy Requirements in Italy. <i>Energy Procedia</i> , <b>2015</b> , 78, 3025-3030	2.3	2
15	The Overall Architecture of a Decision Support System for Public Buildings. <i>Energy Procedia</i> , <b>2015</b> , 78, 2196-2201	2.3	2
14	Energy efficiency in buildings research perspectives and trends. <i>Thermal Science</i> , <b>2018</b> , 22, 971-976	1.2	2
13	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
12	Integration of Thermal and Visual Comfort in the Retrofit of Existing Buildings <b>2018</b> ,		2
11	Measuring the Hygroscopic Properties of Porous Media in Transient Regime. From the Material Level to the Whole Building HAM Simulation of a Coated Room. <i>Energy Procedia</i> , <b>2015</b> , 78, 1501-1506	2.3	1
10	The Influence of Coatings on the Environmental Hygric Inertia of Plastered Rooms. <i>Energy Procedia</i> , <b>2015</b> , 78, 1507-1512	2.3	1
9	Practical Applications of Uncertainty and Sensitivity Techniques in Building Energy Simulation. <i>Procedia, Social and Behavioral Sciences</i> , <b>2010</b> , 2, 7708-7709		1
8	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	1.8	1
7	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

- 6 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 0.5 0
- 5 Passive solar buildings and bioclimatic architecture in Italy. *International Journal of Ambient Energy*, **1990**, 11, 31-38 2
- 4 Analysis of Comfort Level in Italian Bioclimatic Buildings **1990**, 95-98
- 3 Parametric Analysis of Building Heating Consumption in Italy **1990**, 486-489
- 2 New Criteria for Defining Comfort in Buildings **1990**, 220-223
- 1 Building Stock Energy Models and ICT Solutions for Urban Energy Systems. *Advances in Civil and Industrial Engineering Book Series*, **2021**, 490-514 0.5