Vincenzo Corrado

List of Publications by Year in Descending Order

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	Validation of the simplified heat conduction model of EN ISO 52016-1. *Journal of Physics: Conference Series*, **2021**, 2069, 012136	0.3	0
58	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
57	Accuracy of Simplified Modelling Assumptions on External and Internal Driving Forces in the Building Energy Performance Simulation. *Energies*, **2021**, 14, 6841	3.1	3
56	Analysing the future energy performance of residential buildings in the most populated Italian climatic zone: A study of climate change impacts. *Energy Reports*, **2021**,	4.6	11
55	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	1.8	1
54	A Comparative Analysis of Different Future Weather Data for Building Energy Performance Simulation. *Climate*, **2021**, 9, 37	3.1	11
53	Building Stock Energy Models and ICT Solutions for Urban Energy Systems. *Advances in Civil and Industrial Engineering Book Series*, **2021**, 490-514	0.5	
52	Influence of the Meteorological Record Length on the Generation of Representative Weather Files. *Energies*, **2020**, 13, 2103	3.1	2
51	Renovation of a social house into a NZEB: Use of renewable energy sources and economic implications. *Renewable Energy*, **2020**, 159, 356-370	8.1	16
50	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	0.5	2
49	A Methodology to Investigate the Deviations between Simple and Detailed Dynamic Methods for the Building Energy Performance Assessment. *Energies*, **2020**, 13, 6217	3.1	11
48	Improved procedure for the construction of a Typical Meteorological Year for assessing the energy need of a residential building. *Journal of Building Performance Simulation*, **2020**, 13, 139-151	2.8	3
47	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	3.1	29
46	Steady-State and Dynamic Codes, Critical Review, Advantages and Disadvantages, Accuracy, and Reliability **2019**, 263-294		3
45	Energy and environmental payback times for an NZEB retrofit. *Building and Environment*, **2019**, 147, 461-472	6.1	50
44	On the limits of the quasi-steady-state method to predict the energy performance of low-energy buildings. *Thermal Science*, **2018**, 22, 1117-1127	1.2	7
43	Energy efficiency in buildings research perspectives and trends. *Thermal Science*, **2018**, 22, 971-976	1.2	2

42	The effect of glazing on nZEB performance. *Energy Procedia*, **2018**, 148, 320-327	2.3	9
41	Integration of Thermal and Visual Comfort in the Retrofit of Existing Buildings **2018**,		2
40	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	7.2	75
39	The significant imbalance of nZEB energy need for heating and cooling in Italian climatic zones. *Energy Procedia*, **2017**, 126, 258-265	2.3	12
38	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	10.1	64
37	Impact of daylighting on total energy use in offices of varying architectural features in Italy: Results from a parametric study. *Building and Environment*, **2017**, 113, 151-162	6.5	28
36	Influence of Comfort Expectations on Building Energy Need. *Energy Procedia*, **2017**, 140, 265-276	2.3	3
35	Cost-optimal approach to transform the public buildings into nZEBs: an European cross-country comparison. *Energy Procedia*, **2017**, 140, 314-324	2.3	10
34	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	2.3	23
33	A New Methodology for Assessing the Energy Consumption of Building Stocks. *Energies*, **2017**, 10, 1102	3.1	16
32	Refurbishment trends of the residential building stock: Analysis of a regional pilot case in Italy. *Energy and Buildings*, **2016**, 132, 91-106	7	50
31	New equivalent parameters for thermal characterization of opaque building envelope components under dynamic conditions. *Applied Energy*, **2016**, 163, 313-322	10.7	16
30	On the Refurbishment of the Public Building Stock Toward the Nearly Zero-energy Target: Two Italian case studies. *Energy Procedia*, **2016**, 101, 105-112	2.3	13
29	The new Italian Climatic Data and their Effect in the Calculation of the Energy Performance of Buildings. *Energy Procedia*, **2016**, 101, 153-160	2.3	13
28	Verification of the New Ministerial Decree about Minimum Requirements for the Energy Performance of Buildings. *Energy Procedia*, **2016**, 101, 200-207	2.3	7
27	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	2.3	7
26	Data structuring for the ontological modelling of urban energy systems: The experience of the SEMANCO project. *Sustainable Cities and Society*, **2015**, 14, 223-235	10.1	28
25	Editorial to the Proceedings of the 6th International Building Physics Conference (IBPC 2015). *Energy Procedia*, **2015**, 78, 1	2.3	3

24	Tracking the Energy Refurbishment Processes in Residential Building Stocks. The Pilot Case of Piedmont Region. *Energy Procedia*, **2015**, 78, 1051-1056	2.3	6
23	Application of the Comparative Methodology for the Definition of Individual Building Elements Energy Requirements in Italy. *Energy Procedia*, **2015**, 78, 3025-3030	2.3	2
22	Measuring the Hygroscopic Properties of Porous Media in Transient Regime. From the Material Level to the Whole Building HAM Simulation of a Coated Room. *Energy Procedia*, **2015**, 78, 1501-1506	2.3	1
21	New Challenge of the Public Buildings: nZEB Findings from IEE RePublic_ZEB Project. *Energy Procedia*, **2015**, 78, 2016-2021	2.3	13
20	The Influence of Coatings on the Environmental Hygric Inertia of Plastered Rooms. *Energy Procedia*, **2015**, 78, 1507-1512	2.3	1
19	Implementing Cost-optimal Methodology in Existing Public Buildings. *Energy Procedia*, **2015**, 78, 2022-2027	2.3	19
18	The Overall Architecture of a Decision Support System for Public Buildings. *Energy Procedia*, **2015**, 78, 2196-2201	2.3	2
17	Assessment of Cost-optimal Energy Performance Requirements for the Italian Residential Building Stock. *Energy Procedia*, **2014**, 45, 443-452	2.3	39
16	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	7.2	287
15	A building thermal bridges sensitivity analysis. *Applied Energy*, **2013**, 107, 229-243	10.7	74
14	Analysis of the building energy balance to investigate the effect of thermal insulation in summer conditions. *Energy and Buildings*, **2012**, 52, 168-180	7	46
13	Calculation procedure of the shading factor under complex boundary conditions. *Solar Energy*, **2011**, 85, 2524-2539	6.8	20
12	Practical Applications of Uncertainty and Sensitivity Techniques in Building Energy Simulation. *Procedia, Social and Behavioral Sciences*, **2010**, 2, 7708-7709		1
11	A model to design and optimize multi-energy systems in buildings at the design concept stage. *Renewable Energy*, **2010**, 35, 644-655	8.1	113
10	USE of the ANOVA approach for sensitive building energy design. *Applied Energy*, **2010**, 87, 3073-3083	10.7	92
9	Uncertainty and Sensitivity Analysis for Building Energy Rating. *Journal of Building Physics*, **2009**, 33, 125-166	2.1	70
8	Application of energy rating methods to the existing building stock: Analysis of some residential buildings in Turin. *Energy and Buildings*, **2009**, 41, 790-800	7	66
7	Comparison between measured and calculated parameters for the acoustical characterization of small classrooms. *Applied Acoustics*, **2008**, 69, 966-976	3.1	34

List of Publications

6	A method for heating consumption assessment in existing buildings: A field survey concerning 120 Italian schools. *Energy and Buildings*, **2008**, 40, 801-809	7	58
5	Assessment of building cooling energy need through a quasi-steady state model: Simplified correlation for gain-loss mismatch. *Energy and Buildings*, **2007**, 39, 569-579	7	48
4	Passive solar buildings and bioclimatic architecture in Italy. *International Journal of Ambient Energy*, **1990**, 11, 31-38	2	
3	Analysis of Comfort Level in Italian Bioclimatic Buildings **1990**, 95-98		
2	Parametric Analysis of Building Heating Consumption in Italy **1990**, 486-489		
1	New Criteria for Defining Comfort in Buildings **1990**, 220-223		