

Giovanni Pernigotto

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

885
citations

566801

15
h-index

500791

28
g-index

36
all docs

36
docs citations

36
times ranked

1027
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis and modelling of window and glazing systems energy performance for a well insulated residential building. <i>Energy and Buildings</i> , 2011, 43, 1030-1037.	3.1	152
2	Combined effects of environmental factors on human perception and objective performance: A review of experimental laboratory works. <i>Indoor Air</i> , 2018, 28, 525-538.	2.0	123
3	An analysis methodology for large-scale deep energy retrofits of existing building stocks: Case study of the Italian office building. <i>Sustainable Cities and Society</i> , 2018, 41, 296-311.	5.1	78
4	Energy audit of schools by means of cluster analysis. <i>Energy and Buildings</i> , 2015, 95, 160-171.	3.1	62
5	Thermal dynamic transfer properties of the opaque envelope: Analytical and numerical tools for the assessment of the response to summer outdoor conditions. <i>Energy and Buildings</i> , 2011, 43, 2509-2517.	3.1	47
6	Real-Time Monitoring of Occupants' Thermal Comfort through Infrared Imaging: A Preliminary Study. <i>Buildings</i> , 2017, 7, 10.	1.4	46
7	The design of 100 % renewable smart urban energy systems: The case of Bozen-Bolzano. <i>Energy</i> , 2020, 207, 118198.	4.5	43
8	Multi-year and reference year weather data for building energy labelling in north Italy climates. <i>Energy and Buildings</i> , 2014, 72, 62-72.	3.1	41
9	Biomass gasification systems for residential application: An integrated simulation approach. <i>Applied Thermal Engineering</i> , 2014, 71, 152-160.	3.0	38
10	Optimization Tools for Building Energy Model Calibration. <i>Energy Procedia</i> , 2017, 111, 1060-1069.	1.8	35
11	Analysis of the Building Smart Readiness Indicator Calculation: A Comparative Case-Study with Two Panels of Experts. <i>Energies</i> , 2020, 13, 2796.	1.6	26
12	A Co-Citation Analysis on Thermal Comfort and Productivity Aspects in Production and Office Buildings. <i>Buildings</i> , 2017, 7, 36.	1.4	25
13	Analysis and improvement of the representativeness of EN ISO 15927-4 reference years for building energy simulation. <i>Journal of Building Performance Simulation</i> , 2014, 7, 391-410.	1.0	24
14	A stepwise approach integrating feature selection, regression techniques and cluster analysis to identify primary retrofit interventions on large stocks of buildings. <i>Sustainable Cities and Society</i> , 2019, 47, 101438.	5.1	24
15	Uncertainty propagation of material properties in energy simulation of existing residential buildings: The role of buildings features. <i>Building Simulation</i> , 2018, 11, 449-464.	3.0	16
16	Impact of Reference Years on the Outcome of Multi-Objective Optimization for Building Energy Refurbishment. <i>Energies</i> , 2017, 10, 1925.	1.6	15
17	Extreme reference years for building energy performance simulation. <i>Journal of Building Performance Simulation</i> , 2020, 13, 152-166.	1.0	14
18	Characterization of the Dynamic Thermal Properties of the Opaque Elements Through Experimental and Numerical Tests. <i>Energy Procedia</i> , 2015, 78, 3234-3239.	1.8	12

#	ARTICLE	IF	CITATIONS
19	Subjective and objective assessment of thermal comfort in physiotherapy centers. Building and Environment, 2020, 176, 106808.	3.0	10
20	Application of Urban Scale Energy Modelling and Multi-Objective Optimization Techniques for Building Energy Renovation at District Scale. Sustainability, 2021, 13, 11554.	1.6	9
21	Annual Performance of Sensible and Total Heat Recovery in Ventilation Systems: Humidity Control Constraints for European Climates. Buildings, 2017, 7, 28.	1.4	8
22	Experimental determination of the building envelope's dynamic thermal characteristics in consideration of hygrothermal modelling – Assessment of methods and sources of uncertainty. Energy and Buildings, 2021, 236, 110798.	3.1	8
23	Impact of active façade control parameters and sensor network complexity on comfort and efficiency: A residential Italian case-study. Energy and Buildings, 2022, 255, 111650.	3.1	7
24	CFD analysis of aircraft fuel tanks thermal behaviour. Journal of Physics: Conference Series, 2017, 923, 012027.	0.3	6
25	Thermal comfort in physiotherapy centers: Evaluation of the neutral temperature and interaction with the other comfort domains. Building and Environment, 2021, 206, 108289.	3.0	4
26	Analysis of the freezing time of chicken breast finite cylinders. International Journal of Refrigeration, 2018, 95, 38-50.	1.8	3
27	Development of Extreme Reference Years for Building Energy Simulation Scenarios. Applied Mechanics and Materials, 2019, 887, 129-139.	0.2	2
28	Assessment of the Thermal Performance of Timber Walls under Nominal or Moisture and Temperature Dependent Properties. , 0, , .		2
29	Simulation uncertainty in heat transfer across timber building components in the Italian climates: The role of thermal conductivity. Energy and Buildings, 2022, 268, 112190.	3.1	2
30	Influence of moisture content, temperature and absorbed solar radiation on the thermal performance of a spruce XLAM wall in the Italian climates. Journal of Physics: Conference Series, 2020, 1599, 012028.	0.3	1
31	Lighting conditions in physiotherapy centres: A comparative field study. Lighting Research and Technology, 0, , 147715352110465.	1.2	1
32	Clustering of European Climates and Representative Climate Identification for Building Energy Simulation Analyses. , 0, , .		1
33	Experimental and numerical analysis of indoor environmental conditions in two physiotherapy facilities in Northern Italy. E3S Web of Conferences, 2019, 111, 02067.	0.2	0
34	Implications of operational, zoning-related, and climatic model input assumptions for the results of building energy simulation. , 2018, , 65-71.		0
35	An Embedded Mechatronic Device for Real-Time Monitoring and Prediction of Occupants's Thermal Comfort. , 2018, , .		0
36	Parametric Urban-Scale Analysis of Space Cooling Energy Needs and Potential Photovoltaic Integration in Residential Districts in South-West Europe. Sustainability, 2022, 14, 6521.	1.6	0