

Cristina Baglivo

List of Publications by Citations

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55
papers

1,013
citations

20
h-index

30
g-index

55
ext. papers

1,206
ext. citations

4.5
avg, IF

5.38
L-index

#	Paper	IF	Citations
55	Cost-optimal design for nearly zero energy office buildings located in warm climates. <i>Energy</i> , 2015 , 91, 967-982	7.9	90
54	Assessment of cost-optimality and technical solutions in high performance multi-residential buildings in the Mediterranean area. <i>Energy and Buildings</i> , 2015 , 102, 250-265	7	65
53	Multi-objective optimization analysis for high efficiency external walls of zero energy buildings (ZEB) in the Mediterranean climate. <i>Energy and Buildings</i> , 2014 , 84, 483-492	7	58
52	A novel energy-economic-environmental multi-criteria decision-making in the optimization of a hybrid renewable system. <i>Sustainable Cities and Society</i> , 2020 , 52, 101780	10.1	51
51	Energy reliability-constrained method for the multi-objective optimization of a photovoltaic-wind hybrid system with battery storage. <i>Energy</i> , 2018 , 156, 688-708	7.9	50
50	Cost-optimal analysis and technical comparison between standard and high efficient mono-residential buildings in a warm climate. <i>Energy</i> , 2015 , 83, 560-575	7.9	45
49	A literature review and statistical analysis of photovoltaic-wind hybrid renewable system research by considering the most relevant 550 articles: An upgradable matrix literature database. <i>Journal of Cleaner Production</i> , 2021 , 295, 126070	10.3	45
48	Worldwide geographical mapping and optimization of stand-alone and grid-connected hybrid renewable system techno-economic performance across Köppen-Geiger climates. <i>Applied Energy</i> , 2020 , 276, 115507	10.7	44
47	Multi-criteria optimization analysis of external walls according to ITACA protocol for zero energy buildings in the mediterranean climate. <i>Building and Environment</i> , 2014 , 82, 467-480	6.5	42
46	Efficient Solutions and Cost-Optimal Analysis for Existing School Buildings. <i>Energies</i> , 2016 , 9, 851	3.1	35
45	Numerical and experimental analysis of the energy performance of an air-source heat pump (ASHP) coupled with a horizontal earth-to-air heat exchanger (EAHX) in different climates. <i>Geothermics</i> , 2020 , 87, 101845	4.3	31
44	Design of a Ventilation System Coupled with a Horizontal Air-Ground Heat Exchanger (HAGHE) for a Residential Building in a Warm Climate. <i>Energies</i> , 2018 , 11, 2122	3.1	31
43	Envelope Design Optimization by Thermal Modelling of a Building in a Warm Climate. <i>Energies</i> , 2017 , 10, 1808	3.1	30
42	Cost optimal analysis of lighting retrofit scenarios in educational buildings in Italy. <i>Energy Procedia</i> , 2017 , 126, 171-178	2.3	27
41	Experimental validation of horizontal air-ground heat exchangers (HAGHE) for ventilation systems. <i>Geothermics</i> , 2019 , 80, 78-85	4.3	27
40	High performance precast external walls for cold climate by a multi-criteria methodology. <i>Energy</i> , 2016 , 115, 561-576	7.9	26
39	Design method of high performance precast external walls for warm climate by multi-objective optimization analysis. <i>Energy</i> , 2015 , 90, 1645-1661	7.9	25

38	Walls comparative evaluation for the thermal performance improvement of low-rise residential buildings in warm Mediterranean climate. <i>Journal of Building Engineering</i> , 2020 , 28, 101059	5.2	24
37	Data of cost-optimality and technical solutions for high energy performance buildings in warm climate. <i>Data in Brief</i> , 2015 , 4, 222-5	1.2	23
36	CFD modeling to evaluate the thermal performances of window frames in accordance with the ISO 10077. <i>Energy</i> , 2016 , 111, 430-438	7.9	22
35	Complete greenhouse dynamic simulation tool to assess the crop thermal well-being and energy needs. <i>Applied Thermal Engineering</i> , 2020 , 179, 115698	5.8	20
34	Economic and Thermal Evaluation of Different Uses of an Existing Structure in a Warm Climate. <i>Energies</i> , 2017 , 10, 658	3.1	19
33	High performance solutions and data for nZEBs offices located in warm climates. <i>Data in Brief</i> , 2015 , 5, 502-5	1.2	18
32	Performance Analysis of Air Cooled Heat Pump Coupled with Horizontal Air Ground Heat Exchanger in the Mediterranean Climate. <i>Energies</i> , 2018 , 11, 2704	3.1	17
31	Worldwide dynamic predictive analysis of building performance under long-term climate change conditions. <i>Journal of Building Engineering</i> , 2021 , 42, 103057	5.2	16
30	Optimization of high efficiency slab-on-ground floor by multi-objective analysis for zero energy buildings in mediterranean climate. <i>Journal of Building Engineering</i> , 2019 , 24, 100733	5.2	15
29	Implementation hypothesis of the Apulia ITACA Protocol at district level [part I: The model. <i>Sustainable Cities and Society</i> , 2021 , 70, 102931	10.1	10
28	Dynamic Evaluation of the Effects of Climate Change on the Energy Renovation of a School in a Mediterranean Climate. <i>Sustainability</i> , 2021 , 13, 6375	3.6	9
27	Hypothesis of thermal and mechanical energy storage with unconventional methods. <i>Energy Conversion and Management</i> , 2020 , 218, 113014	10.6	8
26	Dynamic Analysis of the Natural and Mechanical Ventilation of a Solar Greenhouse by Coupling Controlled Mechanical Ventilation (CMV) with an Earth-to-Air Heat Exchanger (EAHX). <i>Energies</i> , 2020 , 13, 3676	3.1	8
25	Data of high performance precast external walls for warm climate. <i>Data in Brief</i> , 2015 , 4, 447-9	1.2	7
24	Air cooled heat pump coupled with Horizontal Air-Ground Heat Exchanger (HAGHE) for Zero Energy Buildings in the Mediterranean climate. <i>Energy Procedia</i> , 2017 , 140, 2-12	2.3	7
23	Energy retrofit and environmental sustainability improvement of a historical farmhouse in Southern Italy. <i>Energy Procedia</i> , 2017 , 133, 367-381	2.3	6
22	Solar greenhouses: Climates, glass selection, and plant well-being. <i>Solar Energy</i> , 2021 , 230, 222-241	6.8	6
21	Long-term predictive energy analysis of a high-performance building in a mediterranean climate under climate change. <i>Energy</i> , 2022 , 238, 121641	7.9	6

20	An innovative solution to increase the performances of an Air-Cooled Heat Pump by Horizontal Air-Ground Heat-Exchangers. <i>Energy Procedia</i> , 2017 , 126, 187-194	2.3	5
19	Application of an unconventional thermal and mechanical energy storage coupled with the air conditioning and domestic hot water systems of a residential building. <i>Energy and Buildings</i> , 2020 , 224, 110234	7	5
18	Numerical dataset of slab-on-ground floor for buildings in warm climate from a multi-criteria analysis. <i>Data in Brief</i> , 2018 , 20, 269-276	1.2	5
17	Implementation hypothesis of the Apulia ITACA Protocol at district level [part II: The case study. <i>Sustainable Cities and Society</i> , 2021 , 70, 102927	10.1	5
16	Technical data of a grid-connected photovoltaic/wind hybrid system with and without storage battery for residential buildings located in a warm area. <i>Data in Brief</i> , 2018 , 20, 587-590	1.2	4
15	Rising damp in building stones: Numerical and experimental comparison in lecce stone and carparo under controlled microclimatic conditions. <i>Construction and Building Materials</i> , 2021 , 296, 123713	6.7	4
14	Data of cost-optimal solutions and retrofit design methods for school renovation in a warm climate. <i>Data in Brief</i> , 2016 , 9, 846-849	1.2	3
13	Data from a dynamic simulation in a free-floating and continuous regime of a solar greenhouse modelled in TRNSYS 17 considering simultaneously different thermal phenomena. <i>Data in Brief</i> , 2020 , 33, 106339	1.2	3
12	Modeling of Light Pipes for the Optimal Disposition in Buildings. <i>Energies</i> , 2019 , 12, 4323	3.1	3
11	Sizing analysis of interior lighting using tubular daylighting devices. <i>Energy Procedia</i> , 2017 , 126, 179-186	2.3	2
10	Energy and economic dataset of the worldwide optimal photovoltaic-wind hybrid renewable energy systems. <i>Data in Brief</i> , 2020 , 33, 106476	1.2	2
9	Technical-Economic Evaluation of the Effectiveness of Measures Applied to the Artificial Lighting System of a School. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6664	2.6	2
8	Impact of climatic conditions of different world zones on the energy performance of the photovoltaic-wind-battery hybrid system. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 410, 012044	0.3	1
7	Definition of a Protocol for the Experimental Monitoring of Rising Damp in Three Different Masonry Models with Tuff, Carparo, and Lecce Stone. <i>Energies</i> , 2022 , 15, 892	3.1	1
6	Data resulting from the CFD analysis of ten window frames according to the UNI EN ISO 10077-2. <i>Data in Brief</i> , 2016 , 8, 963-5	1.2	1
5	Data on external walls from a multi-objective simulation for cold climates. <i>Data in Brief</i> , 2016 , 9, 613-615	1.2	1
4	Analysis of Thermodynamic Cycles of Heat Pumps and Magnetic Refrigerators Using Mathematical Models. <i>Energies</i> , 2021 , 14, 909	3.1	1
3	Multi-Objective Analysis for the Optimization of a High Performance Slab-on- Ground Floor in a Warm Climate. <i>Energies</i> , 2018 , 11, 2988	3.1	1

- 2 A New Device Hypothesis for Water Extraction from Air and Basic Air Condition System in Developing Countries. *Energies*, **2021**, 14, 4507 3.1 1
- 1 Operative air temperature data for different measures applied on a building envelope in warm climate. *Data in Brief*, **2018**, 17, 1184-1187 1.2