

Paolo Maria Congedo

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5875489/paolo-maria-congedo-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

2,112
citations

26
h-index

44
g-index

81
ext. papers

2,507
ext. citations

4.6
avg, IF

5.76
L-index

#	Paper	IF	Citations
80	CFD simulations of horizontal ground heat exchangers: A comparison among different configurations. <i>Applied Thermal Engineering</i> , 2012 , 33-34, 24-32	5.8	201
79	Photovoltaic power forecasting using statistical methods: impact of weather data. <i>IET Science, Measurement and Technology</i> , 2014 , 8, 90-97	1.5	117
78	Performance measurements of monocrystalline silicon PV modules in South-eastern Italy. <i>Energy Conversion and Management</i> , 2013 , 68, 1-10	10.6	95
77	Comparison Between Wind Power Prediction Models Based on Wavelet Decomposition with Least-Squares Support Vector Machine (LS-SVM) and Artificial Neural Network (ANN). <i>Energies</i> , 2014 , 7, 5251-5272	3.1	95
76	Cost-optimal design for nearly zero energy office buildings located in warm climates. <i>Energy</i> , 2015 , 91, 967-982	7.9	90
75	Long term performance, losses and efficiency analysis of a 960 kW P photovoltaic system in the Mediterranean climate. <i>Energy Conversion and Management</i> , 2017 , 145, 169-181	10.6	80
74	Comparison of strategies for multi-step ahead photovoltaic power forecasting models based on hybrid group method of data handling networks and least square support vector machine. <i>Energy</i> , 2016 , 107, 360-373	7.9	77
73	Error analysis of hybrid photovoltaic power forecasting models: A case study of mediterranean climate. <i>Energy Conversion and Management</i> , 2015 , 100, 117-130	10.6	72
72	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
71	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
70	CFD modeling and moisture dynamics implications of ventilation scenarios in historical buildings. <i>Building and Environment</i> , 2014 , 79, 181-193	6.5	55
69	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
68	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
67	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
66	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
65	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
64	Forecasting of PV Power Generation using weather input data-preprocessing techniques. <i>Energy Procedia</i> , 2017 , 126, 651-658	2.3	43

63	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
62	Photovoltaic forecast based on hybrid PCA+SVM using dimensionality reduced data. <i>Neurocomputing</i> , 2016 , 211, 72-83	5.4	40
61	Efficient Solutions and Cost-Optimal Analysis for Existing School Buildings. <i>Energies</i> , 2016 , 9, 851	3.1	35
60	Computational fluid dynamics (CFD) modeling of microclimate for salts crystallization control and artworks conservation. <i>Journal of Cultural Heritage</i> , 2014 , 15, 448-457	2.9	32
59	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
58	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
57	Envelope Design Optimization by Thermal Modelling of a Building in a Warm Climate. <i>Energies</i> , 2017 , 10, 1808	3.1	30
56	Cost optimal analysis of lighting retrofit scenarios in educational buildings in Italy. <i>Energy Procedia</i> , 2017 , 126, 171-178	2.3	27
55	Experimental validation of horizontal air-ground heat exchangers (HAGHE) for ventilation systems. <i>Geothermics</i> , 2019 , 80, 78-85	4.3	27
54	High performance precast external walls for cold climate by a multi-criteria methodology. <i>Energy</i> , 2016 , 115, 561-576	7.9	26
53	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
52	Data on Support Vector Machines (SVM) model to forecast photovoltaic power. <i>Data in Brief</i> , 2016 , 9, 13-6	1.2	25
51	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
50	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
49	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
48	Improvements in the predictions for the photovoltaic system performance of the Mediterranean regions. <i>Energy Conversion and Management</i> , 2016 , 128, 191-202	10.6	21
47	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
46	Economic and Thermal Evaluation of Different Uses of an Existing Structure in a Warm Climate. <i>Energies</i> , 2017 , 10, 658	3.1	19

45	High performance solutions and data for nZEBs offices located in warm climates. <i>Data in Brief</i> , 2015 , 5, 502-5	1.2	18
44	Horizontal Air-Ground Heat Exchanger Performance and Humidity Simulation by Computational Fluid Dynamic Analysis. <i>Energies</i> , 2016 , 9, 930	3.1	18
43	Thermal and mechanical performance of rigid polyurethane foam added with commercial nanoparticles. <i>Nanomaterials and Nanotechnology</i> , 2017 , 7, 184798041668411	2.9	17
42	Data on photovoltaic power forecasting models for Mediterranean climate. <i>Data in Brief</i> , 2016 , 7, 1639-422	4.2	17
41	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
40	Computational Fluid Dynamic Modeling of Horizontal Air-Ground Heat Exchangers (HAGHE) for HVAC Systems. <i>Energies</i> , 2014 , 7, 8465-8482	3.1	16
39	Ventilation Control using Computational Fluid-dynamics (CFD) Modelling for Cultural Buildings Conservation. <i>Procedia Chemistry</i> , 2013 , 8, 83-91		16
38	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
37	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
36	Interaction between Human Serum Albumin and Different Anatase TiO ₂ Nanoparticles: A Nano-bio Interface Study. <i>Nanomaterials and Nanotechnology</i> , 2015 , 5, 30	2.9	15
35	Analysis of energy consumption: a case study of an Italian winery. <i>Energy Procedia</i> , 2017 , 126, 227-233	2.3	13
34	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
33	Study of degradation of a grid connected photovoltaic system. <i>Energy Procedia</i> , 2017 , 126, 644-650	2.3	9
32	Characterization of Polyurethane Foam Added with Synthesized Acetic and Oleic-Modified TiO ₂ Nanocrystals. <i>Nanomaterials and Nanotechnology</i> , 2015 , 5, 26	2.9	9
31	Hypothesis of thermal and mechanical energy storage with unconventional methods. <i>Energy Conversion and Management</i> , 2020 , 218, 113014	10.6	8
30	Properties of Aluminosilicate Refractories with Synthesized Boron-Modified TiO ₂ Nanocrystals. <i>Nanomaterials and Nanotechnology</i> , 2015 , 5, 8	2.9	8
29	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
28	Data of high performance precast external walls for warm climate. <i>Data in Brief</i> , 2015 , 4, 447-9	1.2	7

27	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
26	Energy retrofit and environmental sustainability improvement of a historical farmhouse in Southern Italy. <i>Energy Procedia</i> , 2017 , 133, 367-381	2.3	6
25	Modeling and Analysis of Natural Convection Heat Transfer in Nanofluids 2008 ,		6
24	Solar greenhouses: Climates, glass selection, and plant well-being. <i>Solar Energy</i> , 2021 , 230, 222-241	6.8	6
23	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
22	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
21	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
20	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
19	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
18	Fluid-Dynamic Analysis and Optimization of the Quenching Process for Hardening of Change-Speed Gears Using DOE-NOVA Method. <i>Journal of Heat Transfer</i> , 2004 , 126, 365-375	1.8	4
17	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
16	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
15	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
14	Properties of Nanocrystals-Formulated Aluminosilicate Bricks. <i>Nanomaterials and Nanotechnology</i> , 2015 , 5, 28	2.9	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	Numerical method for wind energy analysis in WTG siting. <i>Renewable Energy</i> , 2019 , 136, 202-210	8.1	3
10	Sizing analysis of interior lighting using tubular daylighting devices. <i>Energy Procedia</i> , 2017 , 126, 179-186	2.3	2

9	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
8	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
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. <i>Energies</i> , 2021 , 14, 4507	3.1	1
1	Operative air temperature data for different measures applied on a building envelope in warm climate. <i>Data in Brief</i> , 2018 , 17, 1184-1187	1.2	