

Vincenzo Bianco

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3535086/vincenzo-bianco-publications-by-year.pdf>

Version: 2024-04-27

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.

74
papers

2,491
citations

24
h-index

49
g-index

84
ext. papers

2,857
ext. citations

5.2
avg, IF

5.64
L-index

#	Paper	IF	Citations
74	Analysis of Electricity and Natural Gas Security. A Case Study for Germany, France, Italy and Spain. <i>Energies</i> , 2022 , 15, 1000	3.1	1
73	Business models for supporting energy renovation in residential buildings. The case of the on-bill programs. <i>Energy Reports</i> , 2022 , 8, 2496-2507	4.6	1
72	Modelling the deployment of energy efficiency measures for the residential sector. The case of Italy. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 49, 101777	4.7	4
71	Electrification of the residential heat demand: An analysis of the power market potential to accommodate heat pumps. <i>Thermal Science and Engineering Progress</i> , 2022 , 27, 101173	3.6	1
70	Experimental and numerical studies of accumulation heat exchangers for thermal retrofitting of buildings. <i>Energy and Buildings</i> , 2022 , 261, 111990	7	
69	The Role of Non-Energy Impact Assessment in Boosting Energy Efficiency and Urban Regeneration Projects: The RenOnBill Project and Experiences from Liguria Region. <i>Energies</i> , 2022 , 15, 4093	3.1	
68	Prospects and characteristics of thermal and electrochemical energy storage systems. <i>Journal of Energy Storage</i> , 2021 , 44, 103443	7.8	5
67	Addressing rising energy needs of megacities [Case study of Greater Cairo. <i>Energy and Buildings</i> , 2021 , 236, 110789	7	4
66	Pathways to electric mobility integration in the Italian automotive sector. <i>Energy</i> , 2021 , 221, 119882	7.9	9
65	CFD analysis and design optimization of an air manifold for a biomass boiler. <i>Renewable Energy</i> , 2021 , 163, 2018-2028	8.1	6
64	Application of PCMs to Improve Energy Efficiency in Residential Buildings. <i>Lecture Notes in Civil Engineering</i> , 2021 , 1-12	0.3	
63	Analysis of technology diffusion policies for renewable energy. The case of the Italian solar photovoltaic sector. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 46, 101250	4.7	3
62	Supporting energy efficiency measures in the residential sector. The case of on-bill schemes. <i>Energy Reports</i> , 2021 , 7, 4298-4307	4.6	5
61	Novel transonic nozzle for Ranque-Hilsch vortex tube. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 180, 121801	4.9	1
60	Financial and energy performance analysis of efficiency measures in residential buildings. A probabilistic approach. <i>Energy</i> , 2021 , 236, 121491	7.9	2
59	The impact of e-mobility on the Italian electricity system. <i>Transportation Research Procedia</i> , 2020 , 48, 2031-2037	2.4	0
58	Life-cycle approach to the estimation of energy efficiency measures in the buildings sector. <i>Applied Energy</i> , 2020 , 264, 114745	10.7	14

57	Forecasting Energy Consumption in the EU Residential Sector. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	3
56	Analysis of electricity consumption in the tourism sector. A decomposition approach. <i>Journal of Cleaner Production</i> , 2020 , 248, 119286	10.3	14
55	Analysis of the Efficiency of Using Heat Exchangers with Porous Inserts in Heat and Gas Supply Systems. <i>Energies</i> , 2020 , 13, 5854	3.1	2
54	Modelling a household tariff for reducing sectoral cross-subsidies in the Russian power market. <i>Energy</i> , 2020 , 213, 118725	7.9	7
53	Heat pumps for buildings heating: Energy, environmental, and economic issues. <i>Energy and Environment</i> , 2020 , 31, 116-129	2.4	5
52	An innovative approach to local solar energy planning in Riva Trigoso, Italy. <i>Journal of Building Engineering</i> , 2020 , 27, 100968	5.2	5
51	Numerical investigation on the forced laminar convection heat transfer of Al ₂ O ₃ -water nanofluid within a three-dimensional asymmetric heated channel. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 1132-1152	4.5	4
50	Advanced Solar Technologies in Buildings. <i>International Journal of Photoenergy</i> , 2019 , 2019, 1-2	2.1	
49	Understanding energy consumption and carbon emissions in Europe: A focus on inequality issues. <i>Energy</i> , 2019 , 170, 120-130	7.9	51
48	Effects of renewables deployment in the Spanish electricity generation sector. <i>Utilities Policy</i> , 2019 , 56, 72-81	3.3	15
47	Impact of the phase out of French nuclear reactors on the Italian power sector. <i>Energy</i> , 2018 , 150, 722-734	7.4	14
46	Numerical investigation of an inclined rectangular cavity for ventilated roofs applications. <i>Thermal Science and Engineering Progress</i> , 2018 , 6, 426-435	3.6	9
45	Overview of the Italian natural gas sector. <i>International Journal of Energy Sector Management</i> , 2018 , 12, 151-168	2.5	8
44	A clear sky physical based solar radiation decomposition model. <i>Thermal Science and Engineering Progress</i> , 2018 , 6, 323-329	3.6	4
43	Numerical analysis of the Al ₂ O ₃ -water nanofluid forced laminar convection in an asymmetric heated channel for application in flat plate PV/T collector. <i>Renewable Energy</i> , 2018 , 116, 9-21	8.1	57
42	COMPUTATIONAL FLUID DYNAMICS MODELING OF DEVELOPING FORCED LAMINAR CONVECTION FLOW OF AL ₂ O ₃ -WATER NANOFLUID IN A TWO-DIMENSIONAL RECTANGULAR SECTION CHANNEL. <i>Journal of Enhanced Heat Transfer</i> , 2018 , 25, 387-398	1.7	2
41	The Future of the Italian Electricity Generation Sector. An Analysis of the Possible Strategic Models. <i>Foresight and STI Governance</i> , 2018 , 12, 20-28	3.1	4
40	Analysis of the local entropy generation in a double-circuit vortex tube. <i>Applied Thermal Engineering</i> , 2018 , 130, 1391-1403	5.8	23

39	Impact of the Utilization of Heat Pumps for Buildings Heating in the Italian Power Market 2018 ,		5
38	The impact of the national assessment exercises on self-citation rate and publication venue: an empirical investigation on the engineering academic sector in Italy. <i>Scientometrics</i> , 2018 , 117, 997-1022	3	6
37	Numerical investigation of turbulent flow within a channel with chamfered edge ribs in stream-wise direction. <i>Heat and Mass Transfer</i> , 2017 , 53, 3211-3223	2.2	3
36	Modeling energy consumption and efficiency measures in the Italian hotel sector. <i>Energy and Buildings</i> , 2017 , 149, 329-338	7	32
35	Estimation of primary energy savings by using heat pumps for heating purposes in the residential sector. <i>Applied Thermal Engineering</i> , 2017 , 114, 938-947	5.8	45
34	Assessing the Quality of Natural Gas Consumption Forecasting: An Application to the Italian Residential Sector. <i>Energies</i> , 2017 , 10, 1879	3.1	12
33	Energy, economic and environmental assessment of the utilization of heat pumps for buildings heating in the Italian residential sector. <i>International Journal of Heat and Technology</i> , 2017 , 35, S117-S122	2.2	3
32	Thermal behavior evaluation of ventilated roof under summer and winter conditions. <i>International Journal of Heat and Technology</i> , 2017 , 35, S353-S360	2.2	3
31	Analysis of the European Energy Context: A Snapshot of the Natural Gas Sector 2017 , 233-264		
30	Analysis of the European Energy Context: A Snapshot of the Natural Gas Sector 2017 , 233-264		
29	Impact of wall discretization on the modeling of heating/cooling energy consumption of residential buildings. <i>Energy Efficiency</i> , 2016 , 9, 95-108	3	10
28	Analysis of energy demand in residential buildings for different climates by means of dynamic simulation. <i>International Journal of Ambient Energy</i> , 2016 , 37, 108-120	2	21
27	A comparison of the application of RSM and LES turbulence models in the numerical simulation of thermal and flow patterns in a double-circuit Ranque-Hilsch vortex tube. <i>Applied Thermal Engineering</i> , 2016 , 106, 1244-1256	5.8	32
26	Thermal behavior evaluation of ventilated roof under variable solar radiation. <i>International Journal of Heat and Technology</i> , 2016 , 34, S346-S350	2.2	3
25	Implementation of a cogeneration plant for a food processing facility. A case study. <i>Applied Thermal Engineering</i> , 2016 , 102, 500-512	5.8	27
24	Long term outlook of primary energy consumption of the Italian thermoelectric sector: Impact of fuel and carbon prices. <i>Energy</i> , 2015 , 87, 153-164	7.9	24
23	Current situation and future perspectives of European natural gas sector. <i>Frontiers in Energy</i> , 2015 , 9, 1-6	2.6	15
22	Numerical investigation of a double-circuit Ranque-Hilsch vortex tube. <i>International Journal of Thermal Sciences</i> , 2015 , 89, 272-282	4.1	29

21	Historical trends and current state of heating and cooling degree days in Italy. <i>Energy Conversion and Management</i> , 2015 , 90, 323-335	10.6	50
20	Entropy generation analysis of turbulent convection flow of Al ₂ O ₃ -water nanofluid in a circular tube subjected to constant wall heat flux. <i>Energy Conversion and Management</i> , 2014 , 77, 306-314	10.6	98
19	Performance analysis of turbulent convection heat transfer of Al ₂ O ₃ water-nanofluid in circular tubes at constant wall temperature. <i>Energy</i> , 2014 , 77, 403-413	7.9	75
18	Analysis and future outlook of natural gas consumption in the Italian residential sector. <i>Energy Conversion and Management</i> , 2014 , 87, 754-764	10.6	67
17	Heating and cooling building energy demand evaluation; a simplified model and a modified degree days approach. <i>Applied Energy</i> , 2014 , 128, 217-229	10.7	130
16	Scenario analysis of nonresidential natural gas consumption in Italy. <i>Applied Energy</i> , 2014 , 113, 392-403	10.7	58
15	A novel steady-state approach for the analysis of gas-burner supplemented direct expansion solar assisted heat pumps. <i>Solar Energy</i> , 2013 , 96, 227-238	6.8	13
14	Experimental and numerical results from hybrid retrofitted photovoltaic panels. <i>Energy Conversion and Management</i> , 2013 , 76, 634-644	10.6	19
13	Inverse cycles modeling without refrigerant property specification. <i>International Journal of Refrigeration</i> , 2013 , 36, 1716-1729	3.8	7
12	Second Law Analysis of Al ₂ O ₃ -Water Nanofluid Turbulent Forced Convection in a Circular Cross Section Tube with Constant Wall Temperature. <i>Advances in Mechanical Engineering</i> , 2013 , 5, 920278	1.2	21
11	Enhancement of heat transfer and entropy generation analysis of nanofluids turbulent convection flow in square section tubes. <i>Nanoscale Research Letters</i> , 2011 , 6, 252	5	63
10	Numerical investigation on nanofluids turbulent convection heat transfer inside a circular tube. <i>International Journal of Thermal Sciences</i> , 2011 , 50, 341-349	4.1	156
9	Electrokinetic framework of dielectrophoretic deposition devices. <i>Journal of Applied Physics</i> , 2010 , 107, 124308	2.5	39
8	Selective parallel integration of individual metallic single-walled carbon nanotubes from heterogeneous solutions. <i>Langmuir</i> , 2010 , 26, 10419-24	4	14
7	An investigation of the thermal performance of cylindrical heat pipes using nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2010 , 53, 376-383	4.9	179
6	Thermal performance of flat-shaped heat pipes using nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2010 , 53, 1438-1445	4.9	134
5	Analysis and forecasting of nonresidential electricity consumption in Romania. <i>Applied Energy</i> , 2010 , 87, 3584-3590	10.7	97
4	Numerical Simulation of Water/Al ₂ O ₃ Nanofluid Turbulent Convection. <i>Advances in Mechanical Engineering</i> , 2010 , 2, 976254	1.2	31

3	Electricity consumption forecasting in Italy using linear regression models. <i>Energy</i> , 2009 , 34, 1413-1421	7.9	347
2	Numerical investigation of transient thermal and fluidynamic fields in an executive aircraft cabin. <i>Applied Thermal Engineering</i> , 2009 , 29, 3418-3425	5.8	27
1	Numerical investigation of nanofluids forced convection in circular tubes. <i>Applied Thermal Engineering</i> , 2009 , 29, 3632-3642	5.8	312