

Luca Antonio Tagliafico

List of Publications by Year in Descending Order

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

39
papers

864
citations

15
h-index

29
g-index

39
ext. papers

981
ext. citations

5.8
avg, IF

4.69
L-index

#	Paper	IF	Citations
39	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
38	The experience on a sport centre pilot plant with solar assisted heat pump and a look forward for new control strategies and technology upgrade. <i>E3S Web of Conferences</i> , 2021 , 312, 04004	0.5	
37	Dynamic Modelling of LNG Powered Combined Energy Systems in Port Areas. <i>Energies</i> , 2021 , 14, 3640	3.1	3
36	Application of PCMs to Improve Energy Efficiency in Residential Buildings. <i>Lecture Notes in Civil Engineering</i> , 2021 , 1-12	0.3	
35	Financial and energy performance analysis of efficiency measures in residential buildings. A probabilistic approach. <i>Energy</i> , 2021 , 236, 121491	7.9	2
34	Life-cycle approach to the estimation of energy efficiency measures in the buildings sector. <i>Applied Energy</i> , 2020 , 264, 114745	10.7	14
33	Forecasting Energy Consumption in the EU Residential Sector. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	3
32	Heat pumps for buildings heating: Energy, environmental, and economic issues. <i>Energy and Environment</i> , 2020 , 31, 116-129	2.4	5
31	An innovative approach to local solar energy planning in Riva Trigoso, Italy. <i>Journal of Building Engineering</i> , 2020 , 27, 100968	5.2	5
30	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
29	Impact of the Utilization of Heat Pumps for Buildings Heating in the Italian Power Market 2018 ,		5
28	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
27	Modeling energy consumption and efficiency measures in the Italian hotel sector. <i>Energy and Buildings</i> , 2017 , 149, 329-338	7	32
26	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
25	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
24	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
23	Exploitation of humid air latent heat by means of solar assisted heat pumps operating below the dew point. <i>Applied Thermal Engineering</i> , 2016 , 100, 820-828	5.8	16

22	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
21	A classification methodology applied to existing room temperature magnetic refrigerators up to the year 2014. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 50, 497-503	16.2	15
20	Current situation and future perspectives of European natural gas sector. <i>Frontiers in Energy</i> , 2015 , 9, 1-6	2.6	15
19	Thermophysical Property Estimation by Transient Experiments: The Effect of a Biased Initial Temperature Distribution. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-9	1.1	
18	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
17	Dynamic thermal models and CFD analysis for flat-plate thermal solar collectors [A review]. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 30, 526-537	16.2	80
16	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
15	Direct expansion solar assisted heat pumps [A clean steady state approach for overall performance analysis. <i>Applied Thermal Engineering</i> , 2014 , 66, 216-226	5.8	25
14	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
13	Scenario analysis of nonresidential natural gas consumption in Italy. <i>Applied Energy</i> , 2014 , 113, 392-403	10.7	58
12	Liquefied natural gas submerged combustion vaporization facilities: process integration with power conversion units. <i>International Journal of Energy Research</i> , 2013 , 37, 80-92	4.5	15
11	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
10	Experimental and numerical results from hybrid retrofitted photovoltaic panels. <i>Energy Conversion and Management</i> , 2013 , 76, 634-644	10.6	19
9	Preliminary experimental results from a linear reciprocating magnetic refrigerator prototype. <i>Applied Thermal Engineering</i> , 2013 , 52, 492-497	5.8	24
8	Inverse cycles modeling without refrigerant property specification. <i>International Journal of Refrigeration</i> , 2013 , 36, 1716-1729	3.8	7
7	A dimensionless description of active magnetic regenerators to compare their performance and to simplify their optimization. <i>International Journal of Refrigeration</i> , 2013 , 36, 941-949	3.8	10
6	An approach to energy saving assessment of solar assisted heat pumps for swimming pool water heating. <i>Energy and Buildings</i> , 2012 , 55, 833-840	7	37
5	A compact dynamic model for household vapor compression refrigerated systems. <i>Applied Thermal Engineering</i> , 2012 , 35, 1-8	5.8	14

4	Dynamic 1D Model of an Active Magnetic Regenerator: A Parametric Investigation. <i>Strojniski Vestnik/Journal of Mechanical Engineering</i> , 2012 , 58, 9-15	1.3	7
3	Influence of some design parameters on the thermal performance of domestic refrigerator appliances. <i>Heat and Mass Transfer</i> , 2006 , 42, 803-811	2.2	3
2	A simulation code for batch heat treatments. <i>International Journal of Thermal Sciences</i> , 2004 , 43, 509-517	4.1	11
1	Thermal performance analysis for hot-wall condenser and evaporator configurations in refrigeration appliances. <i>International Journal of Refrigeration</i> , 1998 , 21, 490-502	3.8	12