

Marco Noro

List of Publications by Citations

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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.

54
papers

898
citations

18
h-index

28
g-index

57
ext. papers

1,058
ext. citations

4.3
avg, IF

5.14
L-index

#	Paper	IF	Citations
54	Three years of study of the Urban Heat Island in Padua: Experimental results. <i>Sustainable Cities and Society</i> , 2014 , 10, 251-258	10.1	68
53	Solar cooling between thermal and photovoltaic: An energy and economic comparative study in the Mediterranean conditions. <i>Energy</i> , 2014 , 73, 453-464	7.9	59
52	Solar cooling and heating plants: An energy and economic analysis of liquid sensible vs phase change material (PCM) heat storage. <i>International Journal of Refrigeration</i> , 2014 , 39, 104-116	3.8	52
51	District heating and gas engine heat pump: Economic analysis based on a case study. <i>Applied Thermal Engineering</i> , 2006 , 26, 193-199	5.8	48
50	Photovoltaic/Thermal (PV/T)/ground dual source heat pump: Optimum energy and economic sizing based on performance analysis. <i>Energy and Buildings</i> , 2020 , 211, 109800	7	45
49	Past, present, future of solar cooling: Technical and economical considerations. <i>Solar Energy</i> , 2018 , 172, 2-13	6.8	45
48	Local or district heating by natural gas: Which is better from energetic, environmental and economic point of views?. <i>Applied Thermal Engineering</i> , 2006 , 26, 244-250	5.8	44
47	Urban heat island in Padua, Italy: Simulation analysis and mitigation strategies. <i>Urban Climate</i> , 2015 , 14, 187-196	6.8	43
46	Experimental comparison of electronic and thermostatic expansion valves performances in an air conditioning plant. <i>International Journal of Refrigeration</i> , 2008 , 31, 113-118	3.8	32
45	Energy efficiency opportunities in the production process of cast iron foundries: An experience in Italy. <i>Applied Thermal Engineering</i> , 2015 , 90, 509-520	5.8	31
44	Annual simulation, energy and economic analysis of hybrid heat pump systems for residential buildings. <i>Applied Thermal Engineering</i> , 2016 , 99, 485-494	5.8	31
43	Two years of recorded data for a multisource heat pump system: A performance analysis. <i>Applied Thermal Engineering</i> , 2013 , 57, 39-47	5.8	30
42	Sizing strategy of on/off and modulating heat pump systems based on annual energy analysis. <i>International Journal of Refrigeration</i> , 2016 , 65, 183-193	3.8	30
41	Phase change materials embedded in porous matrices for hybrid thermal energy storages: Experimental results and modeling. <i>International Journal of Refrigeration</i> , 2019 , 106, 266-277	3.8	24
40	Innovative household systems based on solid oxide fuel cells for the Mediterranean climate. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 14378-14391	6.7	22
39	Enhancement of energy generation efficiency in industrial facilities by SOFC SOEC systems with additional hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 9608-9620	6.7	21
38	Ground or solar source heat pump systems for space heating: Which is better? Energetic assessment based on a case history. <i>Energy and Buildings</i> , 2015 , 102, 347-356	7	20

37	Energy and economic analysis of different heat pump systems for space heating. <i>International Journal of Low-Carbon Technologies</i> , 2012 , 7, 104-112	2.8	18
36	Combined micro-cogeneration and electric vehicle system for household application: An energy and economic analysis in a Northern European climate. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 10285-10297	6.7	17
35	Ten years history of a real gas driven heat pump plant: Energetic, economic and maintenance issues based on a case study. <i>Applied Thermal Engineering</i> , 2011 , 31, 1648-1654	5.8	16
34	Advancements in Hybrid Photovoltaic-thermal Systems: Performance Evaluations and Applications. <i>Energy Procedia</i> , 2016 , 101, 496-503	2.3	16
33	An experimental and a numerical analysis of the dynamic behavior of PCM-27 included inside a vertical enclosure: Application in space heating purposes. <i>International Journal of Thermal Sciences</i> , 2018 , 133, 252-265	4.1	15
32	Energetic, exergetic and economic analysis of an innovative Solar CombiSystem (SCS) producing thermal and electric energies: Application in residential and tertiary households. <i>Energy Conversion and Management</i> , 2017 , 140, 36-50	10.6	13
31	Energy audit experiences in foundries. <i>International Journal of Energy and Environmental Engineering</i> , 2016 , 7, 409-423	4	13
30	Urban heat island in Padua, Italy: Experimental and theoretical analysis. <i>Indoor and Built Environment</i> , 2015 , 24, 514-533	1.8	13
29	Experimental analysis of photovoltaic cogeneration modules. <i>International Journal of Low-Carbon Technologies</i> , 2008 , 3, 221-244	2.8	13
28	An innovative approach to design cogeneration systems based on big data analysis and use of clustering methods. <i>Energy Conversion and Management</i> , 2020 , 214, 112901	10.6	11
27	Hybrid PhotoVoltaicThermal heat pump systems: energy and economic performance evaluations in different climates. <i>International Journal of Low-Carbon Technologies</i> , 2018 , 13, 76-83	2.8	11
26	Lessons learned from long term monitoring of a multisource heat pump system. <i>Energy and Buildings</i> , 2018 , 174, 335-346	7	11
25	Annual energy analysis of a water-loop self-contained refrigeration plant and comparison with multiplex systems in supermarkets. <i>International Journal of Refrigeration</i> , 2014 , 45, 55-63	3.8	11
24	Hybrid PCMAluminium foamsThermal storages: an experimental study. <i>International Journal of Low-Carbon Technologies</i> , 2018 , 13, 286-291	2.8	11
23	Application of Hybrid PCM Thermal Energy Storages with and without Al Foams in Solar Heating/Cooling and Ground Source Absorption Heat Pump Plant: An Energy and Economic Analysis. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1007	2.6	10
22	PVT and ETC Coupling for Annual Heating and Cooling by Absorption Heat Pumps. <i>Sustainability</i> , 2020 , 12, 7042	3.6	8
21	Multisource heat pump system from design to operation: the case study of a new school building. <i>International Journal of Low-Carbon Technologies</i> , 2013 , 8, 88-94	2.8	6
20	Energetic and economic savings of free cooling in different European climates. <i>International Journal of Low-Carbon Technologies</i> , 2009 , 4, 213-223	2.8	6

19	Thermodynamic Investigation of a Shared Cogeneration System with Electrical Cars for Northern Europe Climate. <i>Journal of Sustainable Development of Energy, Water and Environment Systems</i> , 2017 , 5, 590-607	1.9	6
18	Enhancement of a Short-Term Forecasting Method Based on Clustering and kNN: Application to an Industrial Facility Powered by a Cogenerator. <i>Energies</i> , 2019 , 12, 4407	3.1	5
17	Energy and economic analysis of an under-ground water source heat pump system for a historical valuable building. <i>Energy Procedia</i> , 2017 , 133, 171-182	2.3	4
16	UHI effect in the city of Padua: Simulations and mitigation strategies using the Rayman and Envimet models. <i>Geographia Polonica</i> , 2014 , 87, 517-530	1.5	4
15	Reversible Heat Pump Coupled with Ground Ice Storage for Annual Air Conditioning: An Energy Analysis. <i>Energies</i> , 2020 , 13, 6182	3.1	3
14	Energy efficiency opportunities in the service plants of cast iron foundries in Italy. <i>International Journal of Low-Carbon Technologies</i> , 2016 ,	2.8	3
13	Energy savings and economic benefits of using electronic expansion valves in supermarket display cabinets. <i>International Journal of Low-Carbon Technologies</i> , 2008 , 3, 147-157	2.8	2
12	Thermal performance study of a vacuum integrated solar storage collector (ISSC) with compound parabolic concentrator (CPC). <i>International Journal of Energy Research</i> , 2020 , 44, 756-770	4.5	2
11	On the activation strategy of the chiller in water-loop self-contained refrigeration systems: An experimental analysis. <i>International Journal of Refrigeration</i> , 2015 , 57, 94-102	3.8	1
10	The Urban Corridor of Venice and The Case of Padua 2016 , 201-219		1
9	The Control of Renewable Energies to Improve the Performance of Multisource Heat Pump Systems: A Two-Case Study. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6653	2.6	1
8	Heating and Cooling Feasibility of Absorption Heat Pumps Driven by Evacuated Tube Solar Collectors: An Energy and Economic Analysis. <i>Sustainability</i> , 2022 , 14, 6137	3.6	0
7	Energy and Economic Sustainability of a Trigeneration Solar System Using Radiative Cooling in Mediterranean Climate. <i>Sustainability</i> , 2021 , 13, 11446	3.6	
6	A First Experimental Survey on the Urban Heat Island in Padua (Italy) 2014 , 683-698		
5	Multisource Heat Pump System: The Case Study of a New School Building 2014 , 591-607		
4	Influence of the equivalent electric load strategy on energy demand forecasting. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 1-8	0.9	
3	Fifteen years of research in innovative heating, ventilation and air conditioning plants at the Department of Management and Engineering (University of Padova). <i>E3S Web of Conferences</i> , 2022 , 343, 01002	0.5	
2	Research in Sustainable Energy Systems at the Department of Management and Engineering during the First 15 Years of 2000. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 12155	2.6	

- 1 Heat recovery in ventilation systems in different climates: energy and economic comparison in old and new schools in COVID-19 pandemic conditions. *Science and Technology for the Built Environment*,1-24 1.8