Marco Noro

List of Publications by Year in Descending Order

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	Fifteen years of research in innovative heating, ventilation and air conditioning plants at the Department of Management and Engineering (University of Padova). *E3S Web of Conferences*, **2022**, 343, 01002	0.5	
53	Heating and Cooling Feasibility of Absorption Heat Pumps Driven by Evacuated Tube Solar Collectors: An Energy and Economic Analysis. *Sustainability*, **2022**, 14, 6137	3.6	0
52	Energy and Economic Sustainability of a Trigeneration Solar System Using Radiative Cooling in Mediterranean Climate. *Sustainability*, **2021**, 13, 11446	3.6	
51	The Control of Renewable Energies to Improve the Performance of Multisource Heat Pump Systems: A Two-Case Study. *Applied Sciences (Switzerland)*, **2021**, 11, 6653	2.6	1
50	Research in Sustainable Energy Systems at the Department of Management and Engineering during the First 15 Years of 2000. *Applied Sciences (Switzerland)*, **2021**, 11, 12155	2.6	
49	An innovative approach to design cogeneration systems based on big data analysis and use of clustering methods. *Energy Conversion and Management*, **2020**, 214, 112901	10.6	11
48	Photovoltaic/Thermal (PV/T)/ground dual source heat pump: Optimum energy and economic sizing based on performance analysis. *Energy and Buildings*, **2020**, 211, 109800	7	45
47	Thermal performance study of a vacuum integrated solar storage collector (ISSC) with compound parabolic concentrator (CPC). *International Journal of Energy Research*, **2020**, 44, 756-770	4.5	2
46	PVT and ETC Coupling for Annual Heating and Cooling by Absorption Heat Pumps. *Sustainability*, **2020**, 12, 7042	3.6	8
45	Reversible Heat Pump Coupled with Ground Ice Storage for Annual Air Conditioning: An Energy Analysis. *Energies*, **2020**, 13, 6182	3.1	3
44	Phase change materials embedded in porous matrices for hybrid thermal energy storages: Experimental results and modeling. *International Journal of Refrigeration*, **2019**, 106, 266-277	3.8	24
43	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. *Applied Sciences (Switzerland)*, **2019**, 9, 1007	2.6	10
42	Enhancement of a Short-Term Forecasting Method Based on Clustering and kNN: Application to an Industrial Facility Powered by a Cogenerator. *Energies*, **2019**, 12, 4407	3.1	5
41	Enhancement of energy generation efficiency in industrial facilities by SOFC SOEC systems with additional hydrogen production. *International Journal of Hydrogen Energy*, **2019**, 44, 9608-9620	6.7	21
40	Past, present, future of solar cooling: Technical and economical considerations. *Solar Energy*, **2018**, 172, 2-13	6.8	45
39	Hybrid PhotoVoltaic Thermal heat pump systems: energy and economic performance evaluations in different climates. *International Journal of Low-Carbon Technologies*, **2018**, 13, 76-83	2.8	11
38	An experimental and a numerical analysis of the dynamic behavior of PCM-27 included inside a vertical enclosure: Application in space heating purposes. *International Journal of Thermal Sciences*, **2018**, 133, 252-265	4.1	15

37	Lessons learned from long term monitoring of a multisource heat pump system. *Energy and Buildings*, **2018**, 174, 335-346	7	11
36	Hybrid PCM□luminium foams□thermal storages: an experimental study. *International Journal of Low-Carbon Technologies*, **2018**, 13, 286-291	2.8	11
35	Combined micro-cogeneration and electric vehicle system for household application: An energy and economic analysis in a Northern European climate. *International Journal of Hydrogen Energy*, **2017**, 42, 10285-10297	6.7	17
34	Energetic, exergetic and economic analysis of an innovative Solar CombiSystem (SCS) producing thermal and electric energies: Application in residential and tertiary households. *Energy Conversion and Management*, **2017**, 140, 36-50	10.6	13
33	Energy and economic analysis of an under-ground water source heat pump system for a historical valuable building. *Energy Procedia*, **2017**, 133, 171-182	2.3	4
32	Thermodynamic Investigation of a Shared Cogeneration System with Electrical Cars for Northern Europe Climate. *Journal of Sustainable Development of Energy, Water and Environment Systems*, **2017**, 5, 590-607	1.9	6
31	Energy audit experiences in foundries. *International Journal of Energy and Environmental Engineering*, **2016**, 7, 409-423	4	13
30	Annual simulation, energy and economic analysis of hybrid heat pump systems for residential buildings. *Applied Thermal Engineering*, **2016**, 99, 485-494	5.8	31
29	The Urban Corridor of Venice and The Case of Padua **2016**, 201-219		1
28	Energy efficiency opportunities in the service plants of cast iron foundries in Italy. *International Journal of Low-Carbon Technologies*, **2016**,	2.8	3
27	Advancements in Hybrid Photovoltaic-thermal Systems: Performance Evaluations and Applications. *Energy Procedia*, **2016**, 101, 496-503	2.3	16
26	Sizing strategy of on□off and modulating heat pump systems based on annual energy analysis. *International Journal of Refrigeration*, **2016**, 65, 183-193	3.8	30
25	Energy efficiency opportunities in the production process of cast iron foundries: An experience in Italy. *Applied Thermal Engineering*, **2015**, 90, 509-520	5.8	31
24	Ground or solar source heat pump systems for space heating: Which is better? Energetic assessment based on a case history. *Energy and Buildings*, **2015**, 102, 347-356	7	20
23	Urban heat island in Padua, Italy: Experimental and theoretical analysis. *Indoor and Built Environment*, **2015**, 24, 514-533	1.8	13
22	Innovative household systems based on solid oxide fuel cells for the Mediterranean climate. *International Journal of Hydrogen Energy*, **2015**, 40, 14378-14391	6.7	22
21	Urban heat island in Padua, Italy: Simulation analysis and mitigation strategies. *Urban Climate*, **2015**, 14, 187-196	6.8	43
20	On the activation strategy of the chiller in water-loop self-contained refrigeration systems: An experimental analysis. *International Journal of Refrigeration*, **2015**, 57, 94-102	3.8	1

19	Solar cooling between thermal and photovoltaic: An energy and economic comparative study in the Mediterranean conditions. *Energy*, **2014**, 73, 453-464	7.9	59
18	Three years of study of the Urban Heat Island in Padua: Experimental results. *Sustainable Cities and Society*, **2014**, 10, 251-258	10.1	68
17	Annual energy analysis of a water-loop self-contained refrigeration plant and comparison with multiplex systems in supermarkets. *International Journal of Refrigeration*, **2014**, 45, 55-63	3.8	11
16	Solar cooling and heating plants: An energy and economic analysis of liquid sensible vs phase change material (PCM) heat storage. *International Journal of Refrigeration*, **2014**, 39, 104-116	3.8	52
15	UHI effect in the city of Padua: Simulations and mitigation strategies using the Rayman and Envimet models. *Geographia Polonica*, **2014**, 87, 517-530	1.5	4
14	A First Experimental Survey on the Urban Heat Island in Padua (Italy) **2014**, 683-698		
13	Multisource Heat Pump System: The Case Study of a New School Building **2014**, 591-607		
12	Two years of recorded data for a multisource heat pump system: A performance analysis. *Applied Thermal Engineering*, **2013**, 57, 39-47	5.8	30
11	Multisource heat pump system from design to operation: the case study of a new school building. *International Journal of Low-Carbon Technologies*, **2013**, 8, 88-94	2.8	6
10	Energy and economic analysis of different heat pump systems for space heating. *International Journal of Low-Carbon Technologies*, **2012**, 7, 104-112	2.8	18
9	Ten years history of a real gas driven heat pump plant: Energetic, economic and maintenance issues based on a case study. *Applied Thermal Engineering*, **2011**, 31, 1648-1654	5.8	16
8	Energetic and economic savings of free cooling in different European climates. *International Journal of Low-Carbon Technologies*, **2009**, 4, 213-223	2.8	6
7	Experimental analysis of photovoltaic cogeneration modules. *International Journal of Low-Carbon Technologies*, **2008**, 3, 221-244	2.8	13
6	Energy savings and economic benefits of using electronic expansion valves in supermarket display cabinets. *International Journal of Low-Carbon Technologies*, **2008**, 3, 147-157	2.8	2
5	Experimental comparison of electronic and thermostatic expansion valves performances in an air conditioning plant. *International Journal of Refrigeration*, **2008**, 31, 113-118	3.8	32
4	Local or district heating by natural gas: Which is better from energetic, environmental and economic point of views?. *Applied Thermal Engineering*, **2006**, 26, 244-250	5.8	44
3	District heating and gas engine heat pump: Economic analysis based on a case study. *Applied Thermal Engineering*, **2006**, 26, 193-199	5.8	48
2	Influence of the equivalent electric load strategy on energy demand forecasting. *Proceedings of the Institution of Civil Engineers: Engineering Sustainability*,1-8	0.9	

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